



Project Report

21/10/2014 – 27/11/2019

Contribution Agreement

FED/2014/346-851

Programme Partners:



Empowered lives.
Resilient nations.

ACP-EU Development Minerals Programme
Implemented in Partnership with UNDP

www.developmentminerals.org

Project Report (21 October 2014 – 27 November 2019)

Contribution Agreement FED/2014/346-851

For ease of cross reference and in-line with European Commission requirements this Project Report follows the structure of the 'Description of the Action' that appears as Annex 1 of the Contribution Agreement.

Copyright © 2019 by the United Nations Development Programme

UNDP Brussels
Boulevard du Régent 37
Brussels, Belgium
Tel. : +32 2 505 46 20
Email: development.minerals@undp.org
Website: <http://www.developmentminerals.org>

Cover design: Ana Beatriz Dominguez Organero

Photo Credit: Daniel M. Franks/ ACP-EU Development Minerals Programme. StoneChange 2016 International Conference, Carrara, Italy.

About the ACP-EU Development Minerals Programme: The ACP-EU Development Minerals Programme is an initiative of African, Caribbean Pacific (ACP) Group of States, coordinated by the ACP Secretariat, financed by the European Commission and United Nations Development Programme (UNDP) and implemented by UNDP. This €13.1 million capacity building program aims to build the profile and improve the management of Development Minerals in Africa, the Caribbean and the Pacific. The sector includes the mining of industrial minerals, construction materials, dimension stones and semi-precious stones.

Table of Contents

SECTION I: INTRODUCTION TO THE PROGRAMME	4
BRIEF DESCRIPTION OF ACTION.....	4
PROGRAMME OBJECTIVES.....	6
COUNTRY COVERAGE	8
SECTION II: THE STRATEGY	10
THE CAPACITY DEVELOPMENT APPROACH.....	10
TRAINING EFFECTIVENESS	12
STRUCTURED BUSINESS ACCELERATION STRATEGY.....	15
SECTION III: PROGRAMME IMPLEMENTATION	18
COUNTRY SELECTION	18
INCEPTION WORKSHOP.....	21
SECTOR ASSESSMENTS AND CAPACITY DEVELOPMENT ROADMAPS.....	22
PARTICIPANT SELECTION.....	37
TRAINING, COUCHING AND SECTOR PROMOTION	38
FINAL WORKSHOP.....	108
SECTION IV: PROGRAMME IMPACT	110
CUMULATIVE IMPACT.....	110
FOCUS COUNTRY IMPACT	117
INSTITUTION/ORGANIZATION LEVEL IMPACT	129
APPENDIX I: MANAGEMENT ARRANGEMENTS.....	139
PROGRAMME STEERING COMMITTEE.....	139
TECHNICAL COMMITTEE	140
COUNTRY WORKING GROUPS	141
UNDP PROGRAMME MANAGEMENT TEAM	142
MONITORING AND EVALUATION.....	142
RESULTS AND RESOURCES FRAMEWORK	142
APPENDIX II. RESPONDING TO IMPLEMENTATION CHALLENGES	157
APPENDIX III. REVISED WORKPLAN OCT 2014 – NOV 2019	159
APPENDIX IV: FINANCIAL STATEMENT.....	165
APPENDIX V: COMMUNICATION & VISIBILITY	166

SECTION I: INTRODUCTION TO THE PROGRAMME

Brief Description of Action

The **ACP-EU Development Minerals Programme**¹ is a €13.2 million initiative of the ACP Group of States, coordinated by the ACP Secretariat, financed by the European Union and United Nations Development Programme (UNDP) and implemented by UNDP. The programme has been under implementation over a five-year period since October 2014.

The Programme aims to build the capacity of stakeholders in the Development Minerals sector (focusing on industrial minerals like gypsum and salt; construction materials like sand and gravel; dimension stones like marble and granite; and semi-precious stones like garnet and tourmaline). These minerals and materials are mined, processed, manufactured and used domestically in industries such as construction, manufacturing, infrastructure and agriculture.

The demand for Development Minerals is driven by rapid urbanization, infrastructure development, industrialization and post-disaster reconstruction in ACP countries. In contrast to the metals sector, the domestic production, processing and use of Development Minerals make them economically significant to local communities in generating jobs, with a greater impact on poverty reduction. This is partly because the sector is dominated by small and medium-scale domestic enterprises.

The private sector in the ACP region plays a key role in accelerating sustainable and inclusive economic growth while reducing poverty. This is achieved by creating new jobs and providing income for employees and households. For instance, in developing countries, such as those in the ACP region, the private sector generates 90% of jobs; funds 60% of all investments and provides more than 80% of government revenues. It is, therefore, a vital sector for combating poverty, reducing inequalities and redistributing the benefits of economic growth.

The EU recognizes the enormous potential of the private sector in driving sustainable and inclusive economic growth, job creation, and reducing poverty. It is against this backdrop that the EU is implementing strategies for private sector engagement in development processes through the EU's *Joint Communication on a Renewed Partnership with the Countries of Africa, the Caribbean and the Pacific JOIN (2016)*⁵² final; the *ACP-EU Cooperative Framework for Private Sector Development in ACP Countries*; and the EU Communication *A Stronger Role of the Private Sector in Achieving Inclusive and Sustainable Growth in Developing Countries COM (2014)*²⁶³ final. Furthermore, the recently unveiled *External Investment Plan (EIP)* by the EU aims to promote inclusive growth, job creation and sustainable development. Each of the strategies aims to improve the business and investment climate through support for the creation of an enabling business environment; improved access to finance; support to the

¹ The **ACP-EU Development Minerals Programme** is the short title of the Programme agreed upon by the Programme Steering Committee (EU, ACP Secretariat and UNDP) in November 2015. This short title will be used through-out the report in reference to the project.

informal private sector to transition to the formal economy; development of local enterprises that are equipped to create decent jobs, generate public revenues, as well as harness trade and investment opportunities.

Nearly two-thirds of the 79 ACP States are either mining countries or have mining potential, which, if exploited rationally, could contribute to inclusive and sustainable socio-economic development. Against this backdrop, a *Framework of Action (FWA) on the Development of Mineral Resources Sector* was endorsed by the ACP Group of States in October 2011 with the overall objective of fostering the development of the mineral resources industry, which in turn is expected to enhance sustainable development and poverty reduction in ACP countries. The specific objectives of the *Framework* are to strengthen the management capacity of ACP countries in the mineral sector, to integrate sustainable development measures into mining and to enhance the ability of states to derive maximum economic and social benefits from the sector while mitigating the negative social and environmental impacts of the mining industry.

The vision of the ACP Group of States, as presented in the document *Towards the ACP we want* is “to become the leading transcontinental organization working in solidarity to improve the living standards of our peoples through South-South and North-South Cooperation”. The Group’s mission is to accelerate the political, economic and social advancement of people in the ACP region through good governance, poverty eradication, promotion of trade, sustainable development and equitable integration into the world economy. One critical avenue to achieve the above vision is through the development of the private sector. This is outlined in the *Strategic Framework for ACP Private Sector Development* which aims to strengthen private sector development support as one of the priorities for the attainment of the development goals the ACP Group of States has set for itself.

Significant momentum towards the integration of Africa’s markets in fulfilment of the *Abuja Treaty* as well as the launch of the *African Continental Free Trade Area* (AfCFTA) in March 2018, has led to a re-focusing of attention on the Africa Mining Vision (AMV). The AMV calls for a mining sector that harnesses the potential of Artisanal and Small-scale Mining (ASM) to stimulate entrepreneurship, improve livelihoods and advance integrated rural socio-economic development. The Vision further espouses the need to address the current lack of access to skills development for both entrepreneurs and employees of new local enterprises; hampering the numerous business development, employment creation and poverty reduction opportunities the mining sector holds in the continent.

Similarly, the African Union’s 50-year development blueprint, *Agenda 2063*, is “A regional strategy to optimize the use of Africa’s resources for the benefits of all Africans” premised on “an integrated, prosperous and peaceful Africa, driven by its citizens and representing a dynamic force in the international arena”. Aspiration 1 (One) of the Agenda underlines the need for transforming Africa’s economies through beneficiation from natural resources, manufacturing, industrialization and value addition, as well as raising productivity and competitiveness. The First Ten-Year Implementation Plan for Agenda 2063 seeks to accelerate Africa’s political, social, economic and technological transformation while

continuing the Pan-African drive for self-determination, freedom, progress and collective prosperity.

The ACP-EU Development Minerals Programme is, therefore, supporting the mining sector to contribute towards the *ACP Framework of Action on the Development of Mineral Resources Sector*, endorsed by the ACP Committee of Ambassadors in 2011; the *Africa Mining Vision* within the framework of *Agenda 2063* and its 1st Ten-Year Work Plan; as well the *United Nations Sustainable Development Goals (SDGs)*. The Programme also supports the development of a competitive local private sector operating in Development Minerals in ACP countries, in line with the *ACP Strategic Framework for ACP Private Sector Development as well as the EU Communication A Stronger Role of the Private Sector in Achieving Inclusive and Sustainable Growth in Developing Countries COM (2014)263 final*. This complements UNDP's *Global Strategy for Supporting Sustainable and Equitable Management of the Extractive Industries* to ensure that natural resources are used to improve people's lives and achieve the SDGs. Goal 9, for example, relates to the building of resilient infrastructure, promotion of inclusive and sustainable industrialization and fostering innovation. The eight targets under this goal, directly speak to the value proposition of the ACP-EU Development Minerals Programme as they elaborate on the demand and supply-side drivers of Development Minerals.

The Programme built the capacities of key stakeholders in the sector, including public stakeholders such as regulatory agencies and local governments; private stakeholders such as small-scale mining enterprises, intermediaries, transportation and logistics service providers, construction companies; business development stakeholders such as mining and quarrying associations, chambers of mines, training centers, universities, consulting companies; and social stakeholders such as civil society organizations and community groups. The Programme is enhancing the capacities of these entities to: 1) increase the sector's productivity; 2) better manage mining operations; 3) adhere to national and international environmental and health standards; and 4) prevent conflict through effective community relations. Forty-one countries participated in the regional training and knowledge sharing events held by the Programme. Six focus countries are implementing in-depth country-level capacity building activities. Training and support have been provided in the following key thematic areas of significant importance to the sector: 1) mine and quarry management; 2) environment, health and safety; 3) entrepreneurship skills; 4) market analysis and investment promotion; 5) geo-data and maps design; 6) community relations and addressing grievances.

Programme Objectives

Overall objective: Foster the sustainable and inclusive development of the mineral resources industry in ACP countries.

Specific objectives:

1. Enhancing employment and incomes, including the employment and incomes of women

2. Improving the policy and regulatory environment
3. Minimizing environmental impacts on communities
4. Addressing individual and community rights and preventing conflict
5. Ensuring decent working conditions
6. Facilitating South-South cooperation and cross-country learning

Country Coverage

The Programme was implemented at both the regional and country levels.

Regional-level activities: 41² countries participated in training and knowledge sharing activities at the regional level. They are:

Africa – 29 countries

Angola, Benin, Burkina Faso, Cameroon, Cote d'Ivoire, Democratic Republic of Congo, Ethiopia, Gabon, Ghana, Guinea-Conakry, Kenya, Lesotho, Madagascar, Malawi, Mali, Mozambique, Namibia, Niger, Nigeria, Republic of Congo, Rwanda, Senegal, Sierra Leone, Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe.

Caribbean – 6 countries

Dominican Republic, Guyana, Haiti, Jamaica, Suriname, Trinidad and Tobago.

Pacific – 6 countries

Fiji, Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu.

Programme countries participating in regional-level activities by ACP region

Central Africa	East Africa	Southern Africa	West Africa	Caribbean	Pacific
1. Cameroon 2. Congo Republic 3. Democratic Republic of Congo 4. Gabon 5. Rwanda	6. Ethiopia 7. Kenya 8. Madagascar 9. Sudan 10. Tanzania 11. Uganda	12. Angola 13. Lesotho 14. Malawi 15. Mozambique 16. Namibia 17. Zambia 18. Zimbabwe	19. Benin 20. Burkina Faso 21. Cote d'Ivoire 22. Ghana 23. Guinea Conakry 24. Mali 25. Niger 26. Nigeria 27. Senegal 28. Sierra Leone 29. Togo	30. Dominican Republic 31. Guyana 32. Haiti 33. Jamaica 34. Suriname 35. Trinidad and Tobago	36. Fiji 37. Papua New Guinea 38. Samoa 39. Solomon Islands 40. Tonga 41. Vanuatu

Source: ACP-EU Development Minerals Programme, 2020

Eight other ACP Countries that participated in the ASM18 regional-level knowledge sharing event by ACP region

Central Africa	East Africa	Southern Africa	West Africa
Burundi Central African Republic Chad	Eritrea Mauritius	South Africa	Gambia Liberia

Source: ACP-EU Development Minerals Programme, 2020

² Eight non-programme implementing ACP countries participated in regional knowledge sharing activities during ASM18 in 2018. They include: Burundi, Central African Republic, Chad, Eritrea, Gambia, Liberia, Mauritius and South Africa

Twenty-six non-ACP Countries that participated in the ASM18 regional-level knowledge sharing event

26 Non-ACP countries participating in knowledge sharing during ASM18					
Australia Belgium Brazil Canada Denmark	Finland France Germany India Italy	Macedonia Mongolia Morocco Myanmar Netherlands	New Zealand Peru Philippines Slovakia Slovenia	South Sudan Sweden Switzerland United Kingdom	United States of America Uzbekistan

Source: ACP-EU Development Minerals Programme, 2020

Regional-level activities comprised:

1. Training workshops (incorporating field visits and the preparation of Return-to-Work Plans)
2. Setting up knowledge platforms
3. Generation of knowledge products
4. Final conference

Country-level activities included:

The six focus countries, one each per ACP region, that are undertaking in-depth capacity building interventions are: Cameroon (Central Africa); Uganda (East Africa); Zambia (Southern Africa); Guinea – Conakry (West Africa); Jamaica (Caribbean); and Fiji (Pacific).

Activities and support at country-level include:

1. Training of Trainers workshops
2. Sector assessments and capacity development roadmaps
3. Initiatives for sector promotion such as technology exhibitions, business fairs, investor guides, networking events, geo-data inventories
4. Value-chain analyses
5. Engaging communities to address grievances through community dialogues
6. Public and private dialogues with key stakeholders
7. Small grants to implement return to work plans
8. Reviews of legal frameworks

SECTION II: THE STRATEGY

The Capacity Development Approach

The ACP-EU Development Minerals Programme is building on the successes achieved in the past four years of implementation by using a systematic, participatory and transformative approach to capacity development. This approach draws from UNDP's methodology, experience and successful track record of supporting efforts to develop national and local capacities in nearly 170 countries and territories, working with them on their own solutions to global and national development challenges. This capacity development approach goes beyond the training of individuals to enhance their experience, knowledge and technical skills. It extends to facilitating wider organizational and institutional change in systems, procedures and rules, to enable the application of these newly acquired skills for better and sustainable results at three levels: individual level, institutional/organization level and through improving the enabling environment.

With this backdrop, the Programme continued to build the capacity of a wide array of key stakeholders as follows:

- a) **Public stakeholders:** Relevant ministries and government agencies - particularly those that regulate and promote minerals exploration and exploitation, environmental and safety standards and financial sectors. Local government authorities involved closely in the management and oversight of small-scale mining and quarrying were also targeted as participants. Increasingly, members of the legislative arm of governments (parliamentarians) are requesting and receiving capacity building support on the sector.
- b) **Private stakeholders:** artisanal and small-scale mining and quarrying enterprises, intermediaries, transportation and logistics service providers, traders, construction companies.
- c) **Business development stakeholders:** Mining and quarrying associations (including women's mining associations); chambers of mines; training centres; universities and research institutions, and consulting companies.
- d) **Communities and social stakeholders:** Local community representatives; civil society, advocacy groups, local and traditional leaders and non-state actors.

The three levels of capacity building undertaken by the programme are as follows:

- a) **Individual-level:** capacity was developed through regional and country-level training and knowledge sharing events that included coaching and mentorship, site visits and demonstrations.

Capacity Development at Individual level: Return-to-Work Plans

The use of Return-to-Work Plans (RWPs) continued during the period under review. RWPs are a valuable mechanism for training workshop participants to enhance their personal and

professional development. As part of Programme sponsorship, participants were required to develop a return-to-work plan on a project that they will undertake on their return to work, applying the knowledge and skills gained from the workshop to influence change. In-training sessions were devoted to the development of RWP's, and participants were encouraged to network and collaborate with other trainees to capitalize on synergies and motivate completion of the plan.

Technical support is also available from the Programme Team in the implementation of the plan. The outline of the plan is due within two weeks of the training event. Periodic follow-up on the progress of implementation of the project were undertaken by UNDP, with the first update expected at the 2-month mark. A subsequent follow-up at 4 months and periodic follow-ups thereafter. For instance, a total of 177 RWPs were submitted from 3 regional-level events and 135 RWPs from 51 country-level events in 2018. The table below outlines the expectations of the return-to-work plan.

Expectations of the Return-to-Work Plan completed by all Programme training participants

Name(s) and Personal Details:
Brief Description of the project:
Expected Outcomes:
Expected Outputs:
Please describe how you plan to implement the return to work project: (outline key partnerships and collaborations across sectors in your country as well as any joint collaboration with other countries)
What indicators of success will you employ? (include indicators of success that go beyond activity-level implementation)
What other strategic opportunities have you identified that will contribute to the success and sustainability of your project? (include opportunities linked to national level policy, strategies and programmes as well as linkage to sub-regional and regional agenda)
What aspects of the training will be most useful in implementing your project? Explain
What are your future plans? (include any additional capacity building needs for your professional development that you have identified during the course of the workshop).

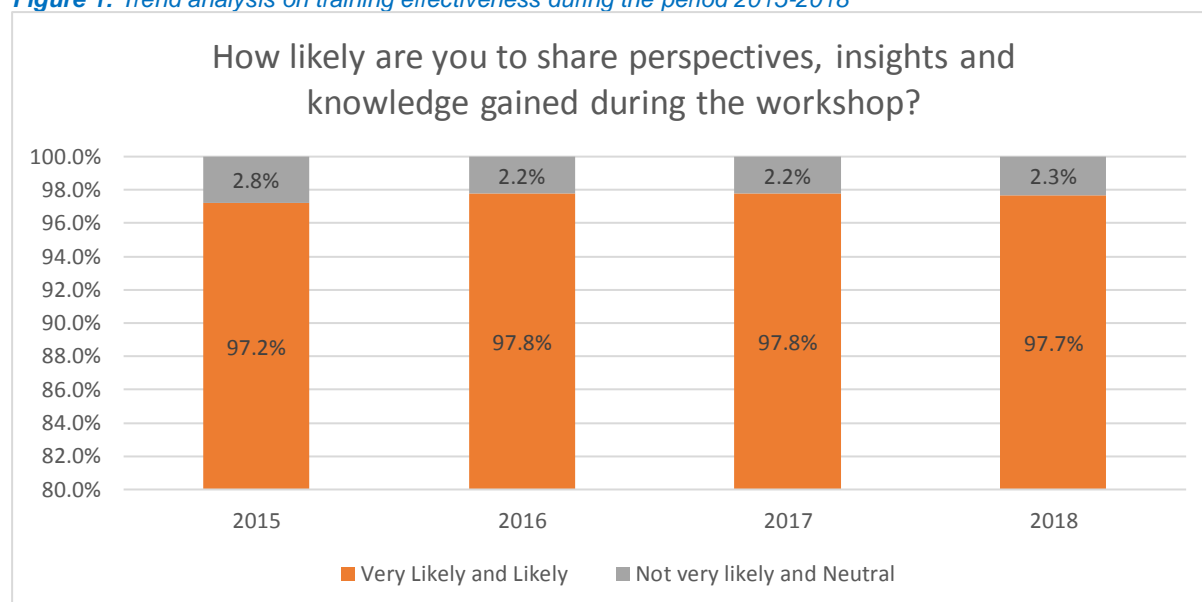
Source: ACP-EU Development Minerals Programme, 2020

Three case studies on the impact of the implementation of individual Return-to-Work Plans by training participants are described below.

Training effectiveness

The Programme continued to undertake a trend analysis on the effectiveness and quality of the training it has offered, as reported by participants during training workshops using the training evaluation forms. The analysis below provides at-a-glance information on the perception of 822 training participants, who provided written feedback, on the quality of the regional training offered over the period 2015-2018, and the likelihood of their sharing the new insights acquired.

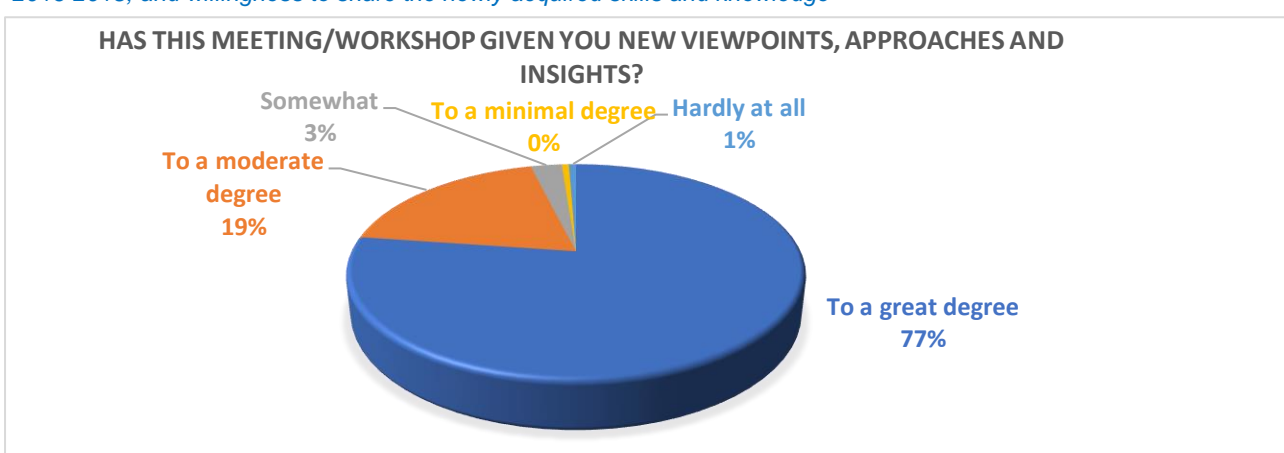
Figure 1: Trend analysis on training effectiveness during the period 2015-2018

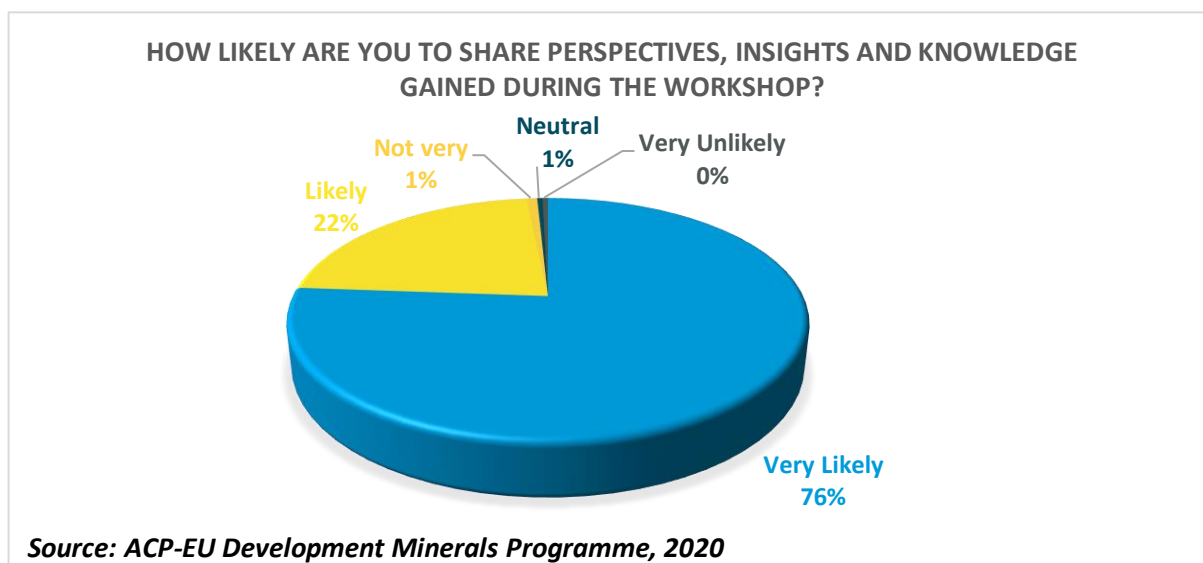


Source: ACP-EU Development Minerals Programme, 2020

From the training participants' responses, it is evident that the various training programmes provided new perspectives, insights and knowledge on the Development Minerals sector that previously were unavailable. Similarly, the quality and delivery of the training are evident from the finding that more than 97% of the 822 training participants, over a four-year period, consistently reported their commitment to sharing the new knowledge and insights gained. As a continued measure of training effectiveness, the participants also registered their commitment to undertake awareness-raising and sensitization aimed at changing unsuitable work practices in the Development Minerals sector. 77% of the respondents indicated that the training gave them new viewpoints, approaches and insights; 19% to a moderate extent, while none of the respondents reported a minimal acquisition of new viewpoints, approaches and insights.

Figure 2 and 3: Analysis of acquisition of new skills and knowledge from regional training during the period 2016-2018; and willingness to share the newly acquired skills and knowledge





In the same analysis, 76% of the respondents indicated that they would very likely share the perspectives, insights and knowledge gained during the training workshops; while 1% of the respondents were neutral to the sharing of the knowledge and skills gained.

b) Improving the enabling environment: This involves sector-wide, system-wide capacity development through actions to support the improvement of policy, legal and regulatory frameworks. As in previous years, this capacity development approach aims at influencing policy and transforming institutional frameworks. It does this through the application of enhanced skills and knowledge of trained stakeholders to effect sector-wide change in the provision of services and goods to Artisanal and Small-scale Miners (ASM) of Development Minerals. A key component of this work is the formalisation process and provision of sector-specific extension services to ASM.

Formalisation and extension services

The mining, processing and beneficiation of Development Minerals is an informal activity in the majority of the Programme countries. The Programme continued to support micro, small and mid-sized enterprises to formalise their activities in the focus countries. A formalisation approach that includes the formation of associations/cooperatives and an economic development approach anchored on value-chain development was applied. This facilitated the implementation of a 3-prong capacity development strategy targeting the individual miner, associations and cooperatives as well as legal, policy and institutional frameworks aimed at encouraging independence and innovation. This capacity development support was actioned through combined on-site training and extension services, including assistance to establish cooperatives or other collective organisations; to apply for licences; open bank accounts; apply for credit etc.

Using the above hybrid approach to capacity building, the programme has enhanced the livelihoods of artisanal and small-scale mining enterprises by creating and/or stabilizing at least 3,641 jobs in the Development Minerals sector in the six focus countries.

Structured Business Acceleration Strategy

The independent mid-term evaluation (MTE) carried out in 2018 concluded that: “Overall, the ACP-EU Development Minerals Programme has recorded a high level of achievement and brought an understanding of a neglected sector and its potential to a more central space for policy dialogues. In this regard, it has been a truly ‘strategic’ project, and all stakeholders should be commended.”

The MTE found the programme to be “highly relevant” to ACP and EU private sector frameworks, such as the ACP-EU Joint Cooperation Framework on Private Sector Development in ACP Countries, and “highly consistent with the vision and goals of the Africa Mining Vision.” According to the MTE, “The Programme [has] had a significant positive impact in the ACP region...demonstrating strong performance in achieving the target outcomes.” It has “provided a valuable laboratory in which learning can be distilled from a number of the activities carried out.” The MTE specifically noted the “sheer scale of reach the Programme has achieved” and highlighted that the “Programme Management Team that has been able to manage an impressive range of activities across the Focus Countries and the Participating Countries, with significant reach across a wide range of stakeholders from the Development Minerals Sector.”

The MTE recommended that a successor programme further refine support and extension services to cooperatives and sharpen business acceleration. The MTE commended the “increased focus on supporting cooperative formalization and informal workers” in Phase I and recommended, “a significant acceleration” of the upscaling of local quarry workers in Phase II.

In this regard, and in order to improve the performance of the Development Minerals sector, in 2019, the Programme facilitated the design of a country-specific strategy toward a more streamlined and viable sector. Though value addition and integration into value-chains are core to all regions, in African countries, relatively more focus was given to formalization of the ASM sector and the provision of support for integration into value-chains while more emphasis was placed on enterprise and business development in the Caribbean and the Pacific regions. Furthermore, focus countries in Africa are guided by the African Mining Vision in this exercise, whereas in the Caribbean and in the Pacific, the process is grounded in existing and relevant plans for mineral sector development as well as the Sustainable Development Goals (SDGs).

In 2019, two pilot countries – Cameroon and Jamaica – developed this country-specific strategy through intensive national consultations with key stakeholders. The strategy will be contextualised and rolled out to the rest of the focus countries in Phase II of programme implementation.

The process resulted in the creation of a country-specific strategy towards sector development that encapsulates 1) a formalization guide and 2) a staged business development acceleration package as outlined below.

Staged business support and acceleration programme outline



Stage 1: Formalization

- 1) Supporting a structured ASM formalisation process that will mobilize informal ASM into associations/cooperatives and support their registration with relevant authorities;
- 2) Facilitating the acquisition of mining/quarrying licenses;
- 3) Enhancing the governance of the newly formed associations/cooperatives through capacity building initiatives that include mentoring.

Stage 2: Capacity Development support

- 1) Carrying out training and capacity development of ASMEs on mine and quarry management, environment, health and safety, gender, labour and child rights;
- 2) Conducting training on mineral processing and value-addition to priority Development Minerals in line with local and regional demand;
- 3) Enhancing the knowledge, skills and competencies of ASMEs on improved enterprise development and business development skills to ensure strategic positioning in the Development minerals value-chain;
- 4) Small-grants disbursement to get the newly formed associations/cooperatives and ASMEs “business-ready”.

Stage 3: Business support and acceleration

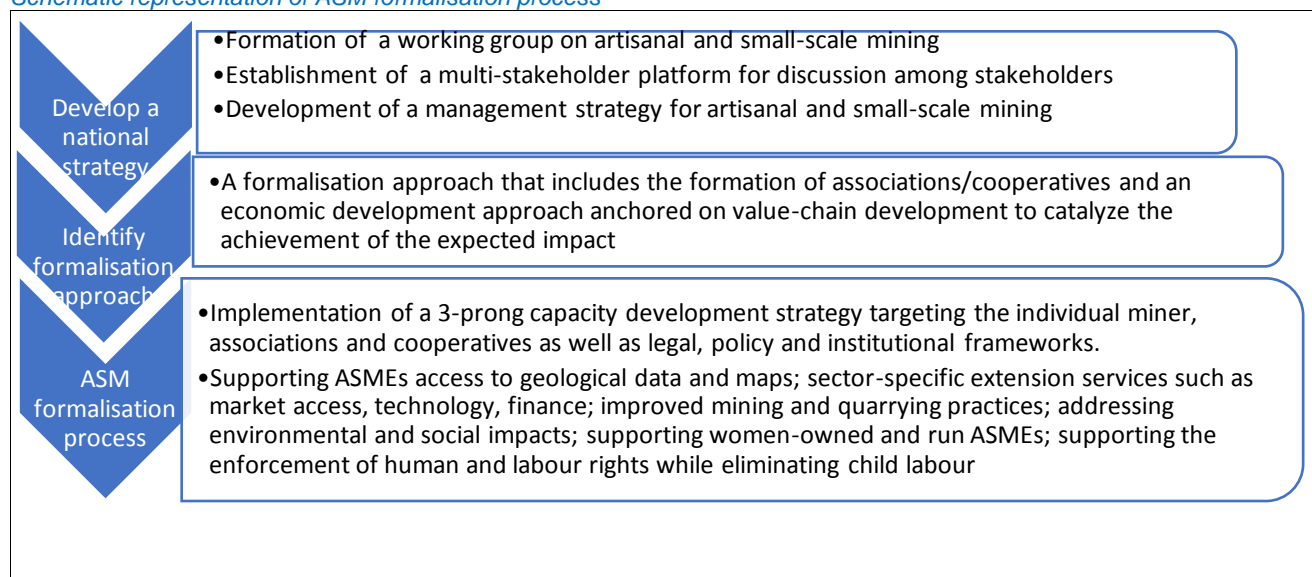
This will involve support to ASMEs to access tools/equipment, technology, markets and market information through the following interventions:

- 1) Undertaking advocacy for the establishment and implementation of procurement policies that stipulate that a percentage of the materials needed for government and private sector infrastructure development is sourced from ASMEs of Development Minerals;
- 2) Facilitating faster access to finance through the expansion of the current partnership agreement with the African Guarantee Fund that provides credit guarantee facilities to financial institutions to extend affordable and accessible financial products to ASMEs;
- 3) Undertaking advocacy for the establishment and implementation of “make local, buy local” government campaigns for Development Minerals products.

The formalisation processes undertaken by the Programme

The schematic presentation below illustrates the approach used by the Programme to support the formalisation of ASM in selected focus countries. This approach will be streamlined and further developed in preparation for large-scale implementation in Phase II of the Programme.

Schematic representation of ASM formalisation process



Proof-of-concept for the impact of formalisation and business acceleration support

Cameroon and Guinea are two of the focus countries where extensive formalization and extension services support have been provided using the approach described above. A proof-of-concept for the impact of formalisation and business acceleration support provided is described in the case study of Mr. Ibrahim Djagra from Cameroon, who attended country-level training of trainers workshops. He was supported to formalise his operations, received a small-grant, and was linked to business extension services, resulting in improved income/revenue for himself as well as for the 80 people newly employed by his social enterprise.

SECTION III: PROGRAMME IMPLEMENTATION

The ACP-EU Development Minerals Programme was implemented at both the regional and country levels. Forty-one³ countries were participating in training activities at the regional level, while six countries received more in-depth support delivered at the country level (one each from the six regional sub-divisions of the ACP).

The capacity-building activities and in-depth support at the country-level included the following interventions: training and capacity building events; small grants and partnership building to structure and upgrade value chains; studies, sector capacity assessments, and capacity development roadmaps; organization of public-private dialogues to strengthen value chains; production of maps and databases; strengthening of regulations on environment, health and safety; organizing community engagement meetings and dialogues to address grievances and prevent conflict; and organization of technology fairs and networking events.

Country Selection

Selection of countries participating in regional-level activities

A combination of quantitative and qualitative criteria was used to prepare a shortlist of participating countries. The criteria included: poverty level, level of commercialization of the Development Minerals (so-called LVMM) sector, urban growth, the volume of production of Development Minerals, regional balance, presence of UNDP's work in extractive industries, consultation with UNDP country offices, regional organizations, and governments. The criteria were shared with the Programme Partners (ACP secretariat and EU) at the 1st Steering Committee Meeting in March 2015.

The ACP provided further suggestions after consultation with ACP member countries. A small reserve list was developed. The ACP Secretariat distributed a note verbal to invite countries to nominate a focal point to the programme (additional communication was sent to countries that did not nominate a focal point in the first instance). UNDP engaged with its country offices to make connections with Ministries in the selected countries and to prompt the nomination of focal points. A small number of non-responsive countries were replaced by reserve list countries at the 2nd Steering Committee Meeting in December 2015 and in early 2016. Following a request for participation in regional level activities from Sudan to the ACP Secretariat, the EU and UNDP, the programme partners agreed to Sudan's request for

³ Eight other ACP countries have taken part in capacity-building activities, particularly the ASM18 conference, namely: Burundi, Central African Republic, Chad, Eritrea, Gambia, Liberia, Mauritius, South Africa.

regional-level participation through a self-sponsorship modality in 2018. This brought the number of participating countries to forty-one.

Countries participating in regional-level activities according to ACP region

Central Africa	East Africa	Southern Africa	West Africa	Caribbean	Pacific
1. Cameroon 2. Congo Republic 3. Democratic Republic of Congo 4. Gabon 5. Rwanda	6. Ethiopia 7. Kenya 8. Madagascar 9. Sudan 10. Tanzania 11. Uganda	12. Angola 13. Lesotho 14. Malawi 15. Mozambique 16. Namibia 17. Zambia 18. Zimbabwe	19. Benin 20. Burkina Faso 21. Cote d'Ivoire 22. Ghana 23. Guinea Conakry 24. Mali 25. Niger 26. Nigeria 27. Senegal 28. Sierra Leone 29. Togo	30. Dominican Republic 31. Guyana 32. Haiti 33. Jamaica 34. Suriname 35. Trinidad and Tobago	36. Fiji 37. Papua New Guinea 38. Samoa 39. Solomon Islands 40. Tonga 41. Vanuatu

Selection of countries participating in country-level activities

The programme focus countries were selected following an EOI process. EOIs were submitted jointly by the programme focal point (representing the participating government agency) and the UNDP country office. All countries previously selected as participating countries for regional training were eligible to apply to become a focus country. EU delegations were invited to contribute to the exercise.

EOIs were expected to be no longer than 5 pages plus annexes. The focal point and the UNDP country office were invited to register their intention to prepare an EOI and hold a briefing call with the UNDP program team. Applications were received in both French and English.

A ranking of all submissions was undertaken based on the evaluation criteria outlined in the EOI and a detailed evaluation grid. Information requested in the EOI included: five key reasons for selection of the country; a brief overview of the Development Minerals (so-called LVMM) sector; potential for the Development Minerals sector to contribute to development; policy and regulatory setting of Development Minerals sector; potential partner institutions, associations and NGOs for implementation of activities; financial and technical sustainability of the support; interest in supporting south-south cooperation and knowledge-sharing during and after the program; potential risks to the delivery of program activities; related country-level programs and activities in the extractive sector; co-contribution for delivery (cash/in-kind); and annexes (letters of support).

The highest-ranked country within each of the six broad geographic regions of the ACP Group of States was chosen as the focus country at the end of the process.

Technical meetings were held to review the applications and share the provisional results. An evaluation report was prepared to document the evaluation process. The selected countries were endorsed by the Programme Steering Committee.

A detailed timeline of the selection process was as follows:

- The selection process, timeline and criteria for expression of interest was prepared by UNDP and shared with the EC and ACP for comment (6 August, 2015). Comments were to be received by (12 August, 2015).
- Final evaluation criteria adopted and incorporated into the draft template of the EOI. Draft EOI distributed by UNDP to representatives of the EC and ACP for comment (18 August 2015).
- EOI template finalized and distributed by UNDP to representatives of the EC and ACP in English (24 August 2015) and French (26 August 2015).
- Call for expressions of interest distributed by UNDP in both English and French to programme focal points, embassies of the ACP, UNDP country office contact points, and European Union missions and embassies (8 September 2015).
- Deadline for submission of expressions of interest (9 October 2015).
- EOI submissions received were distributed by UNDP to ACP and EC representatives to aid preparation of the evaluation process (13 October 2015).
- Evaluation scoring grid (based on agreed to evaluation criteria) prepared by UNDP and distributed to ACP and EC (22 October 2015).
- Technical meeting held between UNDP, EC and ACP to discuss EOI submissions. EC and UNDP preliminary evaluation scores shared. Preliminary ACP evaluation presented. Preliminary recommendations were discussed (26 October 2015).
- Draft evaluation report distributed by UNDP to EC and ACP (31 October 2015) summarizing first technical meeting.
- ACP evaluation (scores & breakdown against the criteria) shared (04 November 2015).
- Second technical meeting held to finalise country selection (13 November 2015).
- Evaluation report finalized by exchange of email (24 November - 7 December 2015).
- Steering committee endorsement of recommended programme focus countries (11 December 2015).
- Announcement of program focus countries.

A total of twenty-one applications were received representing the following countries:

- **East Africa:** Ethiopia, Uganda, Madagascar
- **West Africa:** Benin, Burkina Faso, Cote d'Ivoire, Ghana, Guinea Conakry, Mali, Nigeria, Senegal, Sierra Leone
- **Southern Africa:** Angola, Mozambique, Zambia
- **Central Africa:** Cameroon and Republic of the Congo
- **Caribbean:** Dominican Republic, Jamaica, Trinidad and Tobago
- **Pacific:** Fiji

The following countries were selected and endorsed by the 2nd Programme Steering Committee meeting: Uganda (**East Africa**), Guinea Conakry (**West Africa**), Zambia (**Southern Africa**), Cameroon (**Central Africa**), Jamaica (**Caribbean**), and Fiji (**Pacific**).

The EOI process revealed a strong (and unmet) interest among many members of the ACP Group of States to be involved in country-level programming on this topic.

Inception Workshop

The Inception Workshop for the ACP-EU Development Minerals Programme held in Brussels on the 15th and 16th of July was attended by a diverse group of more than 70 stakeholders, including representatives of 21 ACP countries, international organizations, bilateral partners, mining associations, small-scale miners, chambers of mines, regional and specialist institutions as well as civil society organizations active in the neglected development minerals sector. The overwhelming number of interested stakeholders resulted in an increase in the number of intended participants – from the planned 50 to the actual 70 participants.

This Inception Workshop acted as a consultative forum with diverse key stakeholders in the mining sector, contributing to enriched discourse and information exchange on the role of industrial minerals, construction materials, dimension stones, and semi-precious stones in the development agenda of the countries in the ACP region. The participants pledged their commitment to support the regional and country-level activities of the programme in their various capacities, in line with their roles in the mining sector.

After multi-lateral consultations with the ACP secretariat, and the EU, the specific objectives of the workshop were refined as follows:

- To identify the most suitable capacity development approaches, tools and potential partner institutions for each of the areas identified in the initiative
- To review experiences of similar initiatives targeting the development minerals sector, in ACP countries or elsewhere
- To identify areas for knowledge sharing and cross-country collaboration and possible mechanisms for doing so
- To define institutional partnerships and collaborations, including with regional organizations
- To gather information about the small-scale mining of development minerals in ACP countries
- To present the initiative's concept, design and workflow
- To present a draft background paper on development minerals in ACP countries and gather further feedback and comments to complete the study

The inception workshop participants strongly welcomed the initiative, which they considered very timely and useful to support a sector that has not received a lot of international attention and is key for the local and national economies of the ACP.

Participants, however, expressed concern that the term Low-Value Minerals and Materials (LVMM) can have negative connotations, with participants cautioning against the use of this term to describe the programme. Industrial minerals, construction materials, dimension stones, and semi-precious stones are referred to as 'low value' by economic geologists due

to their low price as a function of their weight, and their relatively low value to international commodity markets. There was a widely held belief at the workshop that 'low value' implied that these commodities were not important for development when the opposite is actually the case. So-called 'low value' minerals and materials provide crucial inputs for domestic economic development (infrastructure, manufacturing, construction and agriculture to name a few) and have the potential to be high value in terms of broad-based national development. It was further argued by some participants that the term 'low value' could be seen to be associated with a colonialist view that unduly preferences the importance of minerals exported for consumption by developed economies (so-called high-value minerals), rather than minerals and materials that are important for local and domestic development. The programme team was therefore urged to adopt alternate language for this mining sector.

Consequently, this feedback led to the adoption of **ACP-EU Development Minerals Programme** as the short-name for the programme, as agreed by consensus by the three programme partners – ACP secretariat, EU and UNDP. To reset the debate and shed the pejorative connotations associated with 'low value' commodities, the ACP-EU Development Minerals Programme also uses the term *Development Minerals*. **Development Minerals** are minerals and materials that are mined, processed, manufactured and used domestically in industries such as construction, manufacturing, and agriculture. They have a high degree of economic linkage and utilization close to the location where the commodity is mined. Neglect in the development and the oversight of industrial minerals, construction materials, dimension stones and semi-precious stones can inhibit domestic development in Africa, the Caribbean and the Pacific, and perpetuate environmental, social, and economic challenges of the sector.

An Inception Workshop report (in both English and French) was prepared and distributed amongst participants for comments and finalized incorporating the feedback. The link to the reports is available here: [Inception Workshop Reports](#)

Interviews of Inception Workshop participants were developed into an Introductory Programme Summary video (available here: <https://vimeo.com/153215198>).

Sector Assessments and Capacity Development Roadmaps

Background Study (Regional level): To inform programme implementation during the inception phase, the ACP-EU Development Minerals Programme commissioned a Background Study on the Development Minerals sector. This background study was prepared (in both French and English) by Professor Gavin Hilson a globally recognized expert on small scale mining. A session was held at the Inception Workshop, in July 2015, to discuss the key findings of the study. Professor Hilson reported that there was limited available data on the sector in the ACP region and that legal and regulatory frameworks were under-developed to effectively regulate and enable the sector. He made recommendations on the sector based on the value proposition of Development Minerals. The background study was sent to all Inception

Workshop participants and other network contacts for review and feedback. The feedback received was incorporated into the study.

(See a link to the study here: [Background Study](#)).

Capacity Development Roadmaps and Sector capacity assessments/baselines (at the country-level only): National consultation workshops on the development of country-level capacity development roadmaps were held in each of the 6 focus countries. The objectives of the national consultation workshops were to: build awareness among key national stakeholders about the ACP-EU Development Minerals Programme; gather information on the Development Minerals Sector and identify sectoral linkages and opportunities for partnership and business creation; and develop a roadmap for the implementation of the ACP-EU Development Minerals Programme in the focus countries.

In collaboration with Jamaica's Mines and Geology Division of the Ministry of Transport and Mining, a National Consultation Workshop was held on 14 – 15 April 2016 in Kingston, Jamaica. The keynote address was made by Dr. Alwin Hales, Permanent Secretary, Ministry of Transport and mining; while other addresses were made by Mr. Achim Schaffert, Head of Operations, Delegation of the European Union to Jamaica, Belize, The Bahamas, Turks and Caicos Islands and Cayman Islands; and Mr. Clinton Thompson, Commissioner of Mines. The 51 participants drawn from the 4 stakeholder groups targeted by the programme began the formulation of a road map which will inform the development of the multi-year work plans for the programme.



Mr. Clinton Thomas, Commissioner of Mines in Jamaica meets with small-scale business owners following Jamaica's national consultation workshop, 14 – 15 April 2016 in Kingston, Jamaica.

Similarly, the Zambia National Consultation Workshop was held in Lusaka from 14-15 July. It brought together 46 participants spanning the program's targeted stakeholder group to deliberate upon the catalytic role of Development Minerals in Zambia's national development planning. The keynote address was made by the Acting Permanent Secretary in the Ministry

of Mines and Minerals Development, Mr. Paul Chanda, while a pre-recorded video address by Mr. Viwanou Gnassounou, the Assistant Secretary-General, African Caribbean and Pacific Group of States was aired.



Informal artisanal sand miners (left) and a formal private mining operator during the field visit as part of Zambia's national consultation workshop, 14 – 15 July 2016 in Lusaka, Zambia.

The Fiji National Consultation Workshop was held between 10-12 August. It gathered together around 50 participants from the public, private, business development, and social sectors to chart the way forward for the country-level implementation of the ACP-EU Development Minerals Programme. Opening remarks made by Hon. Mereseini Vuniwaqa, Minister for Lands and Mineral Resources were followed by Mr. Viwanou Gnassounou, Assistant Secretary-General, ACP Group of States (by pre-recorded video); Mr. Christoph Wagner, Head of Cooperation - EU Head of Delegation; and Mr Bakhodir Burkhanov, UNDP Country Director, Fiji.



Hon. Mereseini Vuniwaqa (centre), Minister for Lands and Mineral Resources, receives a reference text on industrial minerals from Mr Cristoph Wagner (left), Head of Cooperation, EU Delegation for the Pacific and Mr Bakhodir Burkhanov (right), UNDP Country Director, to signify the opening of the Fiji National Consultation Workshop of the ACP-EU Development Minerals Programme, 10th August, 2016.



Sharmila Sanehi welcomes attendees of the Fiji National Consultation Workshop to her river dredge operations on the Rewa River. Groupwork in progress by attendees of the Fiji National Consultation Workshop

Along the same lines, around 75 key stakeholders congregated at the Uganda National Consultation Workshop on the 30-31 August to draw-up the roadmap for the multi-year implementation of the ACP-EU Development Minerals Programme in Uganda. Remarks were made by the Permanent Secretary, Ministry of Energy and Mineral Development; H.E Ambassador Kristian Schmidt, Head of EU Delegation to Uganda; an address by Mr. Viwanou Gnassounou, Assistant Secretary-General, African Caribbean and Pacific Group of States (by pre-recorded video); Ms. Rosa Malango, UNDP Resident Representative; while the key note address was delivered by the Minister of Energy and Mineral Development, Uganda - Hon. Eng. Irene Muloni.



Figure 19: (Left) Group photo during Uganda's National Consultation Workshop; (Right) Workshop participants listening to instructions for group work

Cameroon's National Consultation Workshop took place in Yaoundé on 18-20 October 2016 and brought together 84 participants operating in the Development Minerals sector in 10 regions of Cameroon as well as institutional partners of the programme - ACP, EU and UNDP. The national consultation workshop, which officially launched the implementation of the ACP-EU Development Minerals Programme in Cameroon, featured the opening remarks by H.E Mr. Ernest Gbwaboubou - Minister at the Ministry of Mines, Industry and Technological

Development; the EU Chief Operating Officer in Cameroon - Mr. Mats Liljefelt; Cameroon's Ambassador to the EU and ACP Group of States - H.E Mr. Daniel Evina Abe'e; and the UN Resident Coordinator and UNDP Resident Representative, Ms. Najat Rochdi.

In-depth discussions on the key role of local materials in the ever-increasing demand for Development Minerals in the construction, housing and infrastructure sectors were held. These discussions led to the development of a blueprint for Development Minerals in Cameroon, where the participants, drawn from the public, private, social and business development sectors, defined and approved the priorities of the sector; suggested programme pilot sites and agreed to a draft roadmap for the implementation of the programme over the next two (2) years.



High-level speakers at the opening ceremony of Cameroon's national consultation workshop - H.E Mr. Ernest Gbwaboubou – Minister, Ministry of Mines, Industry and Technological Development; the EU Chief Operating Officer in Cameroon - Mr. Mats Liljefelt; Cameroon's Ambassador to the EU and ACP Group of States - H.E Mr. Daniel Evina Abe'e; and the UN Resident Coordinator and UNDP Resident Representative, Ms. Najat Rochdi.

Guinea's National Consultation Workshop gathering 73 participants from the public, private, business development and social sectors took place in Conakry on October 11 - 12, 2016. The main objective of the workshop was to officially launch the ACP-EU Development Minerals Programme in Guinea as well as to elaborate a roadmap highlighting the country's priorities in favour of the Development Minerals sector.

The workshop was officially opened by the National Director of Mines, Mr. Fodé Béréte; followed by the Secretary General of the Ministry of Mines and Geology, Mr. Sadou Nimaga, while other high-level dignitaries who made remarks included the Programme Manager for Infrastructure Development of the EU Delegation in Guinea, Mr. Alexandre Serres and the UNDP Deputy Director, Mr. Eloi Kouadio IV.



A section of participants keenly following proceedings at Guinea's national consultation workshop, Conakry, October 11 - 12, 2016

Baseline Assessments of the Development Minerals sector

During the course of the year (2019), the Baseline Assessment of the Development Minerals sector was completed, reviewed and validated by key stakeholders in Zambia. This follows on from the validation and publication of the Baseline Assessment Reports in the other five focus countries, which were undertaken earlier, and are available in the link below.

[Baseline Assessments of Development Minerals in Focus Countries](#)

The comprehensive studies covered key dimensions of the Development Minerals sector including socio-economic, poverty and conflict risk analyses; market analysis and value chains; legal and policy reviews.

Specifically, the studies sought to:

- Profile the range of commodities mined, the sites of extraction and beneficiation, and the businesses and employees involved in the Development Minerals sector;
- Review relevant laws, regulations, plans and that define the governance framework at the local, national and regional levels highlighting aspects favourable to, or hindering the sector with a specific focus on gaps that need to be addressed (this also included an assessment of any gender-related barriers that affect the sector);
- Analyse the current institutional and operating environment at the national and the operational level;
- Conduct environmental, health and safety, and socioeconomic impact analyses, using participatory approaches, where applicable;
- Undertake market and value chain analyses for selected priority Development Minerals and the level of integration and interlinkages with other sectors of the economy.

In this regard, the baseline assessments had five (5) main components:

- I. Component 1: Profile of the Sector
- II. Component 2: Legal and Policy Framework
- III. Component 3: Institutional and Technical Operating Context
- IV. Component 4: Environmental Health & Safety and Socio-Economic Impact Analysis
- V. Component 5: Market and Value Chain Analysis

The baseline assessments provide sector-specific analyses of the Development Minerals sector, previously unavailable in the six focus countries. Key insights from the Baseline Assessment Reports carried out in the 6 focus countries are below.

Uganda

In Uganda, Levin Sources was contracted to undertake the Baseline Assessment. It was published in two volumes, *Baseline Assessment of Development Minerals in Uganda* and the *Value Chain Analysis of Development Minerals in Uganda*. The assessment was undertaken during the period July – October 2017.

The study objectives were fulfilled through the collection, analysis and interpretation of primary and secondary data collected from a range of sector stakeholders across all steps of Development Minerals value chains from mine to the final market. Primary data collection consisted of 42 site assessments in 22 districts, focus group discussions and interviews with 434 participants from Artisanal and Small-scale Mining (ASM) sites, 73 Points of Sale and 10 district governments as well as consultative meetings with central private and public-sector stakeholders. Existing secondary data was used to supplement, and where possible, validate primary data⁴.

While Uganda has an abundance of Development Minerals, eight (8) were chosen as focus minerals for the baseline study, while four (4) amongst them were selected in consultation with the Country working Group for more in-depth market study and value-chain analysis. The baseline assessment focused on the following minerals: clay, stone aggregate, dimension stones, sand, limestone, salt, kaolin and gypsum. The comprehensive market study and value chain analysis was undertaken for four minerals namely: clay, stone aggregate, dimension stones and sand.

Key findings on the Profile of the Development Minerals sector:

- Reliance on imports of many Development Minerals and their products constituted 3.2% of Uganda's trade deficit of -2.56 billion USD in 2016. The most significant contributors to this are ceramics (inclusive of sanitary ware, dishware and other

⁴ Hinton et al., 2018, Baseline Assessment of Development Minerals in Uganda. Kampala, Uganda: ACP-EU Development Minerals Programme.

products that can be derived from kaolin), cement, salt (mainly in the form of iodized table salt) and to some extent lime.

- ASM is responsible for the production of 83% of all Development Minerals (by value) in Uganda. Estimated at US\$350M in 2015, ASM equates to 5.3 times the value of estimated medium and large-scale production for these minerals and 7.5 times that of their officially reported production. This is also 4.2 times the value of estimated (unofficial) artisanal gold production and over 7 times the value of *officially reported production of all mineral commodities*, including limestone, pozzolana, kaolin, vermiculite, aggregate, gold, tungsten, tantalum, tin and cobalt. Main ASM products by volume, value and employment are clay bricks, stone aggregate & limestone.
- ASM of Development Minerals are a major source of rural and peri-urban employment. Extraction of clay, sand, stone aggregate, dimension stone, kaolin, salt and pozzolanic ash is estimated to directly employ approximately 390,000 Ugandans, with women estimated to constitute 44% of the workforce. If clay brick production is excluded, women's employment share skyrockets to 69%, mainly due to their high participation rates in stone quarries, in northern Uganda. This marks a 216% increase since 2008 estimates of the sector.
- Young children can be found around mines, mainly due to lack of childcare, as most miners invest earnings sending their children to school.
- It is estimated that 98% of artisanal and small-scale mining (ASM) production and 56% of medium-sized mines (MSM) and large-scale mines (LSM) production of Development Minerals takes place outside of the current mining sector legal framework.

Key findings from the *Value Chain Analysis of Development Minerals in Uganda*:

- When the full value chains are considered – from the production of ASM clay bricks, sand, stone aggregate and rough dimension stones to their trade and use in construction – the total value equates to almost **6.5% of GDP**.
- For these 4 focus minerals alone (clay, stone aggregate, dimension stones and sand), gross margins earned across the value chains – from miners and traders to local SMEs and small construction enterprises (e.g. bricklayers, concrete finishers) – amount to an estimated US\$1.6B per annum.
- Economic multiplier effects of ASM production are substantial. Discounting downstream revenues from construction, ASM production and trade of these commodities would represent a 1.9% increase to the nation's GDP.
- **Almost 6.8% of the population is estimated to rely on ASM Development Minerals value chains.** Employment multipliers range between 0.1 to 5.7 jobs in the downstream created from 1 job in primary production, depending on the commodity. Total employment across the 4 value chains is estimated at just over 530,000 jobs. When considering an average household size (4.7), this amounts to almost 2.5 million Ugandans.
- Incomes of the workforce alone (mineworkers, SME employees, bricklayer, stone masons and concrete finishers) from the 4 value chains alone are estimated to inject

almost US\$170M annually into local economies and towards improved household wellbeing via education, health care and investment in other sectors.

The *Baseline Assessment of Development Minerals in Uganda* and *Value-chain analysis of Development Minerals in Uganda* are available on the programme's website: <http://www.developmentminerals.org/index.php/en/resource/studies-handbooks>

Jamaica

A *Baseline Assessment of Development Minerals in Jamaica* was carried out in the period March-June 2017 by SLR Environmental Consulting (Ireland) Ltd. Fifty-four (54) quarries extracting Development Minerals were visited and assessed for the *Baseline*, accounting for forty-five per cent (45%) of the total operating quarries in 2017.

Key findings on the Profile of the Development Minerals Sector:

- In the last 3-4 years, the Jamaica Mining and Quarry Sector has contributed significantly to the economy of Jamaica, contributing 2.3% to the Gross Domestic Product (GDP).
- The total value of the 2015 production of Industrial Minerals is significant in the economy, equating to approximately Jamaican \$7.16B (or ~ **US\$55.23M**).
- Quarrying of Development Minerals contributed US\$1.7M to the exchequer in 2015.
- The employment benefits of quarrying, especially in rural areas, is very significant. 1,750 direct jobs and 7000-8750 indirect jobs were created in the sector in 2016.
- While the quarrying sector is male-dominated in Jamaica, women represented almost 20% of the quarry owners/managers consulted during the baseline assessment. Available data indicates that 12% of quarry employees are women. This is an increase of 1% from the 2015 numbers reported.
- A very strong positive and informal system of social support to communities, churches and schools by quarry operators was reported. 317 industrial minerals operations reported Jamaican \$1.2M support to local social funds per operation.
- However, significant shortcomings in Mining and Quarrying skills among the operators were observed. While quarry planning, layout and technical management were absent in more than 90% of the quarries visited, none of the quarries had planned for mine closure.
- Geotechnical safety is severely compromised by crude, gravitational “rip and push” methods of extraction with a lack of properly engineered benching. Only 2-3 multi-bench mining operations were observed. Additionally, only two (2) quarries had a formal Occupational Health and Safety (OHS) Management System, while only one (1) quarry enforced the adoption of Personal Protective Equipment (PPE) while on site.

Key findings on Market Potential of Development Minerals:

- Based on the geological endowment of Jamaica, it is clear that there exists a solid potential for value addition of limestone, dimension stones, clays, sand and gravel.
- Jamaica could earn up to **US\$7B annually** through increased production of limestone and its value-added items for local and export markets.

- Import substitution by the domestic supply of a range of available industrial minerals needs to be explored. For instance, the total estimated quantity of imported limestone derived products into Jamaica was almost 65,000 tonnes valued at US\$114M in 2013.
- There is potential for Jamaica to supply high-quality aggregates to the Caribbean Community (CARICOM) and the wider America regions, which collectively imported 9.9 million tonnes of limestone aggregate in 2013 valued at US\$142M.

The *Baseline Assessment of Development Minerals in Jamaica* is available on the programme's website:

<http://www.developmentminerals.org/index.php/en/resource/studies-handbooks>

Cameroon

The Community Insights Group (CiG) in partnership with the Sustainable Development Strategies Group (SDSG) were commissioned to undertake *A Baseline Assessment of Development Minerals in Cameroon*.

To acquire a comprehensive understanding of the sector, the study took a phased approach using a mix of research methods including a review of secondary research, focus group discussions, individual interviews and quantitative surveys. In total, 588 individuals engaged in artisanal and small-scale mining participated in the study across 19 sites, and seven regions. The initial qualitative research phase involved focus group discussions and interviews with 134 individuals at 10 sites, and included various stakeholders such as producers, local community members, public administrators, those active in the value chain (such as suppliers, processors, and buyers), site managers, representatives of trade unions and health centre managers. The subsequent quantitative research was carried out by conducting 454 interviews across 16 different sites, representing workers across four mineral value chains.

Key findings on the Development Minerals sector in Cameroon:

- The contribution of the four priority Development Minerals (namely sapphire, quartzite, gravel and aggregates) towards revenues generated by Cameroon's extractive industries increased between 2011 and 2016, growing from 6.3% in 2011 to 14% in 2016. **Sand and crushed gravel recorded growth rates of around 95%.**
- Sand is the most extracted mineral by artisanal miners in Cameroon, accounting for 56% of artisanal miners and 58% of artisanal mining sites. Annual artisanal sand production is approximately **4.3 million tonnes**; while its annual sale/revenue at mining sites is estimated at **8.7 billion FCFA**. Along the same lines, annual artisanal sand transport costs are estimated at **26 billion FCFA**.
- A large proportion of the sector is informal. **90% of the construction materials sub-sector is comprised of artisanal miners**, 8.3% small operators and 1.6% other actors. These findings reflect the low industrialisation of the sub-sector. Survey responses from artisanal miners showed that only 30% of all artisanal miners had documented authorization to mine, less than 9% of workers mining gravel and dimension stones were authorized, and less than 4% mining sapphire were authorized.

The primary reasons cited for not having documented authorization were that the miner did not know the “legislation and the steps to be taken”, and that the document was “not necessary for [the] activity”.

- 54% of all supervisors or owner/operators surveyed indicated the operation is legally registered, whereas 23% indicated being informal. 72% of legally registered supervisors or owner/operators indicated being a sole proprietorship. The lowest incidence of registration among respondents was in the mining of sand, where only 29% of supervisors or owner/operators indicated they were registered. About half of all supervisors indicated they believed that authorization was not required.
- Less than 17% of all miners surveyed indicated having membership in an association or professional group. None of the surveyed miners of sapphire were members of an association or professional group, while 41% of miners of pozzolan were members of an association or professional group.
- Less than 5% of miners reported that they have used a loan to finance their activity. Likewise, less than 10% of miners responded that bank loans or line of credit services were available to them. More than 25% of respondents stated that difficulty in accessing credit is holding back the development of their business. Furthermore, more than 60% of miners reported that they do not have a bank account.
- A gendered division of labour was reported: women were observed to hold roles crushing gravel, light transport, in the production of clay and selling food to site workers. About 25% of operators and owners report employing women in their company.
- Artisanal sand mining is low-skilled labour-intensive work. A minimum of eight persons are used to load a 10m³ truck. The Programme census conducted by GIMERC in 2016 identified (registered) more than 4,300 sand artisans. The Census indicated that the number of artisans engaged in sand mining at peak activity recorded by site is more than 17,000; those engaged in clay mining are 1,600 spread across 30 sites; there are 400 pozzolan workers across eight sites; and an estimated 650 artisanal miners of sapphire country-wide.

The Report, *Baseline Assessment of Development Minerals in Cameroon*, is available on this link: [Baseline Assessment of Development Minerals in Cameroon](#)

Fiji

The Secretariat of the Pacific Community (SPC) was commissioned by the ACP-EU Development Minerals Programme to carry out the *Baseline Assessment of Development Minerals in Fiji*. This study is the first comprehensive assessment of Development Minerals in Fiji. The study has identified 86 regulated extraction sites; of which 76% are located in Fiji's Rivers. The study has compiled the most comprehensive database of regulated and unregulated extraction sites in Fiji to date. The database was then complemented by a comprehensive field survey of extraction and beneficiation sites. The survey inspected a total of 104 sites (46 regulated extraction sites; 40 regulated beneficiation sites; 18 unregulated extraction sites). The survey inspected 52% of extraction sites in the Central Division (14/27),

39% of extraction sites in the Northern Division (13/33), and 73% of extraction sites in the Western Division of Fiji (19/26). The survey inspected 87% of beneficiation sites in the Central Division (13/15), 56% of beneficiation sites in the Northern Division (10/18), and 94% of beneficiation sites in the Western Division (17/18). During the course of the study, a further 30 unregulated extraction sites were identified, of which 18 were inspected. Several stockpiles of coral sand were also observed, indicating the presence of unregulated beach mining. Beach mining has the potential for significant adverse impacts on Fiji's coastal environment, which is already under threat from climate change.

The study deployed five distinct survey instruments as part of data collection. A total of 146 instruments were completed. In addition, 34 interviews were conducted, and 14 focus groups held. This extensive knowledgebase provides confidence that the findings of the study are representative of the state of the Development Minerals sector in Fiji.

Key findings on the Development Minerals sector in Fiji:

- Undervaluation of the Development Minerals sector and its contribution to Fiji's economy. The latest published records (2014) are based on a primary survey of 16 companies involved in the sector (as per Registrar of Companies records). The actual number of companies involved in the sector is much greater than 16; therefore, the Fiji Bureau of Statistics Gross Output record of FJ\$53,033,004 (for quarrying of sand, stone and clay - subclass category 08101) is likely to be a major underestimation of the Development Minerals industry's output and its contribution to Fiji's economy. For example, the production records received from one quarry alone in the Central Division account for approximately FJ\$50,000,000 Gross Output.
- In 2017, the estimated gross output from the extraction of Development Minerals ranged between **FJ\$190.3M and FJ\$369.1M**; revealing that the value of the sector is up to **seven times larger** than previously reported.
- The estimated value of the underreported production from hard rock quarries in 2017 is at least **FJ\$137.3M**. This is more than double the total contribution of the sector recorded in the latest GDP figures at the Bureau of Statistics (FJ\$53.03M). It is important to note that this estimate is only based on data from 86 legally active extraction sites operating in Fiji; thus the total value of underreporting (including river gravel, sand and soft rock extraction sites) is likely significantly higher.
- The Development Minerals sector is overwhelmingly dominated by domestic small and medium-sized enterprises, with 95% of surveyed companies involved in the sector majority Fiji owned (ranging from two to two-hundred and fifty employees).
- The study estimates that 2325 Fijians are directly employed in the regulated part of the sector of Viti Levu and Vanua Levu, with a stark minority female staff (4%). The employment numbers reported here indicate that the Development Minerals sector is 50% larger than the large-scale metal mining sector in Fiji.
- Complex regulatory licensing, monitoring and enforcement framework. Multiple regulatory departments are involved in the management of the Development Minerals industry in Fiji, resulting in a complicated licensing, monitoring and enforcement framework. Three departments are responsible for issuing extraction licenses (related

to land tenure). The relevant departments are the Department of Lands (DoL) (for sites located on Crown Land⁵ which accounts for approximately 7% of land in Fiji), the Rural Local Authority (for sites located on Freehold Land⁶ which accounts for approximately 10% of land in Fiji), and iTaukei Land Trust Board (TLTB) (for sites located on Native Land⁷ which accounts for approximately 83% of land in Fiji)⁸. Subsequently, no department has a master database of all extraction sites in Fiji and the process for obtaining a license is confusing for both applicants and regulatory bodies.

- The contribution of Development Minerals to Fiji's economic growth and development through the construction sector is significant. Development minerals in the form of road aggregates, coastal protection rock and concrete products are critical materials to enable Fiji Roads Authority (FRA) to expand, upgrade and maintain the transport infrastructure including 7,525km of road, 1,251 bridges and 47 jetties, which is a vital public service for all Fijians. In 2016-2017, the FRA expressed a demand for 566,400m³ of Development Minerals.

The *Baseline Assessment of Development Minerals in Fiji* was publicly launched and is available on the programme's website:

<http://www.developmentminerals.org/index.php/en/resource/studies-handbooks>

Zambia

The Baseline Assessment of Development Minerals in Zambia was carried out by RCS Global in the initial stages of the work. The Technical Working Committee of the ACP-EU Development Minerals Programme in Zambia was instrumental in the finalisation of the study.

The baseline assessment combined secondary data from the literature on Development Minerals and primary data from field visits. The field study was conducted in two phases. The initial phase, conducted in June 2017, covered 26 development minerals project sites. The second phase conducted in January 2018 covered 10 sites, bringing the total of sites visited to 36. Data was collected primarily through interviews with a total of ninety-four Development Minerals miners, operators and other key stakeholders. 8 targeted interviews were also held with officials from the three departments of the Ministry of Mines and Minerals Development. Fifteen focus group discussions (FGDs) were conducted at selected mine sites to complement information emanating from individual respondent interviews.

The fieldwork involved consultations with 136 informed stakeholders across government, the private sector and civil society, as well as 26 sites visits across Zambia. 109 surveys were also completed. During the second field visit the field research collected data from five Provinces (regions) of Zambia, covering a total of twelve districts and twelve mine sites. The field data was collected on a total of 12 mineral commodities (sand, clay, limestone, dolomite,

⁵ Land owned by the State.

⁶ Privately owned land.

⁷ Land owned by iTaukei (indigenous) citizens.

⁸ <http://www.townplanning.gov.fj/index.php/planning/planning-issues/land-tenure>

basalt, micaceous shale (used to produce dimension stones), stone aggregate, talc, amethyst, granite, silica, and gravel) and 20 products (namely: construction sand, dimension stones, black soil, quarry dust, soak away stones, flat stones; cement, pavers, blocks, bricks, kerbstones, ready mixed concrete, aggregates, quicklime, hydrated lime, agriculture lime, and lime, gemstones, and ceramic and cosmetic products). Field data was also collected from a total of 25 points of sale sites.

Key findings from the Baseline Assessment of Development Minerals in Zambia:

- There are 119 licensed companies in the Development Minerals sector, and, conservatively, at least the same number of unlicensed sites. While full employment data is not available (precisely because of the large number of unregistered operations), the Snap Survey conducted prior to this report notes 6,815 people employed (41% of them women) in the sector across 126 sites (55 licensed, 71 unregistered). Meanwhile, employment for the 26 sites visited during this study report totals 3,626.
- Zambia **imports about US\$200 million worth of its fertilizer** requirements per annum to support the agricultural sector and yet a significant saving would be made with an investment in the production of phosphate fertilizer from **the locally available 709 million tonnes of phosphate resource**.
- The value of limestone varies from as little as US\$3.00 per tonne when used as crushed stone for construction aggregate, to as high as US\$200 per tonne when pure and used as filler in the chemicals industry. Between the two extreme values is a range of prices that depend on the specification and use of the material. This points to the untapped potential in developing the Development Minerals sector, which would spawn many downstream industries from just one category of Development Minerals.
- The contribution of mining & quarrying and construction sectors to Zambia's GDP stood at 13% and 10% respectively in 2015.
- According to 2016 estimates, the deficit in housing units for Zambia stands at **1.5 million and is expected to grow to 4 million by 2030**. The rate of construction per year to address this deficit is estimated at 200,000 housing units.
- Zambia imported Development Minerals and related products totalling **US\$522 million**, while exporting the same minerals and products worth US\$6 million **in 2017**. This demonstrates that reliance of **imports of Development Minerals and their products contributed to negative (-) US\$516 million in trade deficit** for the year 2017, yet a significant proportion of these Development Minerals and related products can be extracted and transformed/beneficiated locally.

The Report, *Baseline Assessment of Development Minerals in Zambia*, is available on this link: [Baseline Assessment of Development Minerals in Zambia](#)

Guinea

Société Africaine d'Etudes et d'Ingénierie Financière was commissioned by the ACP-EU Development Minerals Programme to carry out a Baseline Assessment of Development Minerals in Guinea. A sample size of 1,524 participants (40.6% of them female) from different points of the minerals value-chain, including those with oversight for the sector, were interviewed for data collection. Sixty-four (64) mining and quarrying sites were visited.

Key findings from the Assessment of Development Minerals in Guinea

- An estimated **30,000** artisanal and small-scale mining entrepreneurs (ASME) are directly involved in the Development Minerals sector, **41% of them female**.
- Access to finance in the Development Minerals sector is a challenge. 73% of the interviewed small-scale operators in the Development Minerals sector indicated that they had financed their start-up activities with their own resources, without external financing. Banks and microfinance institutions financed 0.3% and 0.5% of the activities of the small-scale operators, while family members (immediate and extended) contributed 7.9% of the financing.
- 93.7% of the small-scale operators indicated that access to financing was their priority to develop their mines, quarries and enterprises.
- The **level of formalization of the sector is very low**. In the 64 sites visited, only 8 individual miners have licenses/approvals issued by the National Directorate of Mines and 1 group (cooperative) licensed/approved by the Prefecture. 52.7% of the respondents indicated that the informal nature of their enterprises was caused by the lack of finances to pay for licensing.
- 25% of the respondents indicated that they belonged to an association/industry or professional body. The remaining respondents, almost 75%, indicated their lack of affiliation to any association/industry or professional body.
- The heavy presence of women in gravel, laterite and pottery extraction is accompanied by the presence of children at the mine/quarry site. Most of the children were seen to undertake duties in the crushing, sieving or collection of the raw material to the crushing point. However, it should be noted that these children usually work in a family setting where they often accompany their mother.

Census Reports on Development Minerals

Zambia, and Cameroon carried out the first-ever censuses on the Development Minerals sector, while Guinea held extensive national consultations in order to provide a comprehensive assessment and profile of Development Minerals in these countries. They provided the backdrop for the subsequent undertaking of the Baseline Assessments in the respective countries. Links to these seminal reports are found below:

[Snap Survey of Development Minerals in Zambia](#)

[Rapport de recensement des artisans en Guinée](#)

[Rapport de recensement des artisans - Cameroun](#)

Participant selection

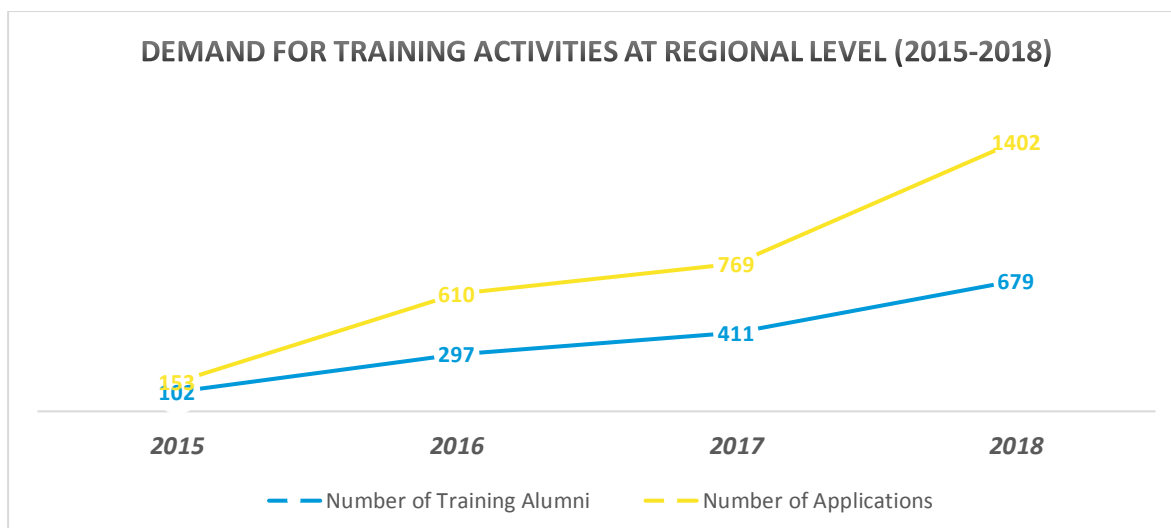
In continuing the practise from previous years, participant selection for the Training Workshops was drawn from the four key stakeholder groups identified in the Programme's Description of the Action (public sector; private sector; business development; and civil society). The Programme strived to ensure adequate participation and representation of both men and women. Participants to the Regional Training Workshops were selected through a Request for Application (RFA) process that was circulated widely to: the country focal points, UNDP country offices, ACP Missions and Embassies, EU Delegations, civil society groups, regional institutions, mining associations and private sector organisations. The RFA's were also posted on public websites, including Goxi and the *Mining 4 Development (M4D) Link* that have membership running into the thousands for the four key stakeholder groups. This is in addition to the posting of the RFAs on ACP-EU Development Minerals Programme website and social media platforms (Facebook and Twitter).

Demand for training activities

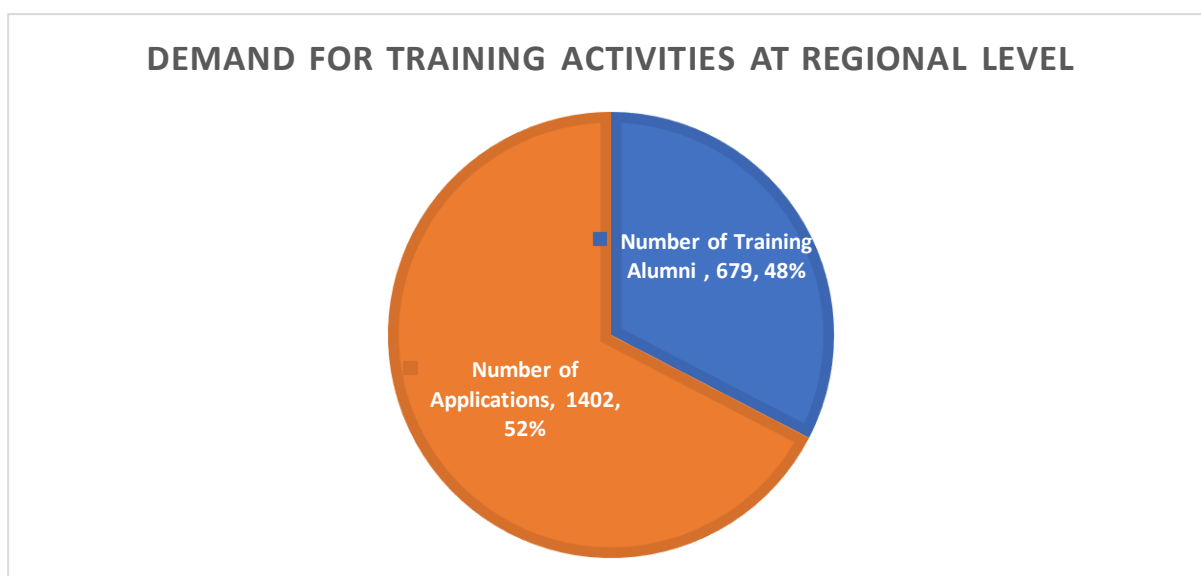
ACP Group of States have continued to demonstrate a very strong interest in training programmes offered by the ACP-EU Development Minerals Programme. This is a key indicator of the continued relevance of the Programme to the objectives spelt out in their respective national development plans and strategies concerning the mining sector. For instance, for the 2018 regional training workshops, applications for the training workshops were oversubscribed by 236%, with the programme receiving 633 applications for 268 available training places.

Similarly, this trend has been witnessed since the inception of the Programme, where regional training workshops in this period were oversubscribed by 206.4%. 1,402 applications from key stakeholders were received against 679 available training places, corresponding to only 48% of interested stakeholders getting placed into a training programme. More than half (52%) of interested applicants were however unsuccessful in their quest for enhanced skills, knowledge and competencies in the Development Minerals sector, due to unavailability of training places.

Demand for regional training activities offered by the programme during the period 2015-2018



Demand for regional training activities vis-à-vis available training places offered by the programme during the period 2015-2018



Training, Coaching and Sector Promotion

During the period under review (2014-2019), the Programme directly trained 5,945 stakeholders in a total of 170 regional and country training events. Of these, 4,039 participants were male while 1,906 were female, demonstrating a 32% female representation rate. An additional 13,111 stakeholders were trained by trained trainers, 7,148 of whom were male and 5,963 female, indicating a 46% female representation rate. When cumulated, 11,187 male and 7,869 female participants were trained over the course of programme implementation correlating to a 41% female representation rate. As mentioned in the preceding sections, the female representation rate is an 8% increase from 2015 when the programme debuted, where female representation rate stood at 33% in 2015. A key challenge for regional-level training

events is that female representation in mining ministries, and mining associations is low. The gains made in increased female representation in training events are attributed to significant growth in site-level training where women are present in large numbers; the implementation of the Programme's Gender Equality Strategy that calls for implementation of specific quotas for women in Programme events; and aggressive grassroots mobilization and outreach to potential female trainees.

*Number of people directly engaged in regional training events and workshops in the period 2015-2018 by gender
(*No regional events were held in 2019)*

2018

No	Training/workshop event	Male	Female	Total
Regional training workshops on geo-data digitization and mapping of Development Minerals				
1	West Africa Regional Training on Geo-data Digitization and Mapping of Development Minerals (French) (12 days)	20	8	28
2	Pacific Training on Geo-data Digitization and Mapping of Development Minerals (12 days)	14	5	19
3	West Africa Regional Training on Geo-data Digitization and Mapping of Development Minerals (English) (12 days)	7	8	15
4	Central Africa Regional Training on Geo-data Digitization and Mapping of Development Minerals (12 days)	13	7	20
5	Southern Africa Regional Training on Geo-data Digitization and Mapping of Development Minerals (12 days)	15	6	21
6	East Africa Regional Training on Geo-data Digitization and Mapping of Development Minerals 2018 (12 days)	17	11	28
TOTAL		86	45	131
No	Training/workshop event	Male	Female	Total
Regional training workshops on Enterprise skills, Market analysis, Investment promotion and Value-addition of Development Minerals				
7	Regional Training on Enterprise skills, Market analysis, Investment promotion and Value-addition of Development Minerals (English-speaking Africa) (4 days)	42	26	68
8	Regional Training on Enterprise skills, Market analysis, Investment promotion and Value-addition of Development Minerals (French-speaking Africa + Haiti) (4 days)	24	18	42
9	Caribbean and Pacific Regional Training on Enterprise skills, Market analysis, Investment promotion and Value-addition of Development Minerals (4 days)	14	13	27
TOTAL		80	57	137
No	Training/workshop event	Male	Female	Total
Training Workshops on Artisanal and Small-scale Mining (ASM) carried out in collaboration with the Intergovernmental Forum on Mining, Minerals, Metals and Sustainable Development (IGF)				
10	Training workshop on Artisanal and Small-scale Mining, Yaoundé, Cameroon (4 days)	2	4	6
11	Training workshop on Artisanal and Small-scale Mining, Punta Cana, Dominican Republic (5 days)	0	3	3
TOTAL		2	7	9
GRAND TOTAL		168	109	277

*39% female representation in the 11 regional training events held in 2018.

2017

No	Training/workshop event	Male	Female	Total
Regional training workshops on geo-data digitization and mapping of Development Minerals				
1	African Focus Countries Regional Training on Geo-data Digitization and Mapping of Development Minerals, Dar-es-Salaam, Tanzania, (12 days)	12	08	20
2	Caribbean Regional Workshop on Geo-data Digitization and Mapping of Development Minerals, Port-of-Spain, Trinidad and Tobago (12 days)	14	13	27

TOTAL		26	21	47
No	Training/workshop event	Male	Female	Total
Regional training workshops on Environment, Community, Health and Safety in the Development Minerals sector				
3	Southern Africa Regional Training Workshop on Environment, Community, Health and Safety, Maputo, Mozambique (4 days)	31	15	46
4	Curricula Sprint on Environment, Community, Health and Safety, Maputo, Mozambique (3 days)	15	6	21
TOTAL		46	21	67

*37% female representation in the 4 regional training events held in 2017.

2016

No	Training/workshop event	Male	Female	Total
Regional training workshops on Environment, Community, Health and Safety in the Development Minerals sector				
1	West Africa Regional Training on Environment, Community, Health and Safety in the Development Minerals sector, Accra, Ghana (4 days)	46	12	58
2	Caribbean Regional Training on Environment, Community, Health and Safety in the Development Minerals sector, Georgetown, Guyana (4 days)	23	20	43
3	Central Africa Regional Training on Environment, Community, Health and Safety in the Development Minerals sector, Brazzaville, Congo Republic (4 days)	27	17	44
TOTAL		96	49	145
No	Training/workshop event	Male	Female	Total
Non-series regional training workshops				
4	Emerging leaders in African Mining (ELAM), Cape Town, South Africa (12 days)	4	4	8
5	Regional Training Workshop on Quarry Management of Dimension Stones and Construction Materials, Carrara, Italy (6 days)	10	8	18
6	Joint Africa Mining Legislation Atlas (AMLA) Project / World Bank Group/Africa Legal Support Facility/ Africa Union Commission/ ACP EU Development Minerals Programme Training, Addis Ababa, Ethiopia (4 days)	14	6	20
7	In/conference Workshop as part of the 26th Colloquium of African Geology (CAG26) in Ibadan, Nigeria (0.5 days)	56	24	80
8	The African Mining Legislation Atlas (AMLA) Project training workshop, Accra, Ghana (0.5 days)	30	15	45
TOTAL		114	57	171

*34% female representation in the 8 regional training events held in 2016.

2015

No	Training/workshop event	Male	Female	Total
Regional training workshops on Environment, Community, Health and Safety in the Development Minerals sector				
1	East Africa Regional Training on Environment, Community, Health and Safety in the Development Minerals sector, Addis Ababa, Ethiopia (4 days)	29	14	43
2	Pacific Regional Training on Environment, Community, Health and Safety in the Development Minerals sector, Suva, Fiji (4 days)	40	6	46
TOTAL		69	20	89
No	Training/workshop event	Male	Female	Total
Non-series regional training workshops				
3	Geoscience Information in Africa (GIRAF) Workshop, Maputo, Mozambique (4days)	13	1	14
4	Sharefair on gender equality in the extractives industry, Nairobi, Kenya (3 days)	0	12	12
TOTAL		13	13	26

*29% female representation in the 4 regional training events held in 2015.

Cumulatively, 290 females (35%) and 532 (65%) males were directly trained in regional training activities during the period under review.

*Number of people directly engaged in country-level training events and workshops in 2016-2019 by gender
(*No country-level training events were held in 2015)*

2019

No	Training/workshop event	Male	Female	Total
Cameroon				
1	Training workshop with Marom cooperative of Foumban, 12 February, Foumban	10	25	35
2	Working sessions with Foumban cooperative: Evaluation of programme implementation at mine-site, 13 February, Foumban	25	2	27
3	Training workshop with artisanal miners in Mora/Maroua, 16 February	30	5	35
4	Training workshop with artisanal miners in Missingueleo, 18 February	20	5	25
5	Training workshop with the National Superior Polytechnique of Maroua (l'ecole nationale superieure polytechnique de maroua -ENSPM), 19 February	10	3	13
6	Training workshop with artisanal miners at the pilot site Boula-lbi in Garoua: Evaluation of programme implementation at mine-site, 20 February	5	25	30
7	Training workshop with artisanal sand miners Gamboukou Ngan-Ha: Evaluation of programme implementation at mine-site, 21 February	7	18	25
8	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 29-30 April, Mbalmayo, Cameroon	30	7	37
TOTAL		137	90	227
Fiji				
1	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 5 February, Suva, Fiji,	22	8	30
TOTAL		22	8	30
Guinea				
1	Training workshop in technical and financial planning of projects/business plans in Faranah prefecture, 25-26 March	17	3	20
2	Training workshop in technical and financial planning of projects/business plans in Kissidougou prefecture, 27-28 March	13	8	21
3	Training workshop in technical and financial planning of projects/business plans in N'Zérékoré prefecture, 30-31 March	18	3	21
4	Training workshop in technical and financial planning of projects/business plans in Kankan prefecture, 2-3 April	17	1	18
5	Training workshop in technical and financial planning of projects/business plans in Labé prefecture, 5-6 April	24	3	27
6	Training workshop in technical and financial planning of projects/business plans in Koundara prefecture, 8-9 April	18	1	19
7	Training workshop in technical and financial planning of projects/business plans in Coyah prefecture, 20-21 April	17	10	27
8	Training workshop in technical and financial planning of projects/business plans in Boffa prefecture, 27-28 April	23	2	25
9	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 7 May, Conakry	81	20	101
10	Consultative Meeting between FINADEV and 10 Cooperatives of ASMEs in the Development Minerals sector, 4 October, Conakry	17	1	18
11	Consultative Meeting between 3 Microfinance Institutions (FINADEV, CRG, WAKILI), 1 Bank (Afriland First Bank) and Cooperatives of ASMEs of Development Minerals, 29-30 October, Kindia	76	11	87
TOTAL		321	63	384

Jamaica		Male	Female	Total
1	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 9 January, Kingston	49	26	75
2	Geo-data validation workshop, 16 January, Kingston	26	14	40
3	Stakeholder workshop for the Findings of the slope stability grant project, 1 February, Kingston	20	10	30
4	Country-level Final Conference in Central Jamaica, for phase I implementation of the ACP-EU Development Minerals Programme, 2 April	15	8	23
5	Country-level Final Conference in Western Jamaica, for phase I implementation of the ACP-EU Development Minerals Programme, 25 April	29	10	39
TOTAL		139	68	207
Uganda		Male	Female	Total
1	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 27 February	39	22	61
2	Knowledge Products Validation related to Conflict, Health, Safety and Environmental in Development Minerals Sector: Impacts, toolkits and analyses, 28 March	25	9	34
3	Technical revision of the 2019 Mining and Minerals Bill: 1st residential workshop with the inter-ministerial team, 15-19 April	12	7	19
4	Technical revision of the 2019 Mining and Minerals Bill: 2nd residential workshop with the inter-ministerial team, 7-10 May	15	6	21
5	Training workshop on Conflict Management in the Development Minerals sector, 22-23 May	14	7	21
6	Small Grants: Implementation Review & Learning Workshop, 22-25 July	14	3	17
7	Training workshop on Enterprise skills, Market analysis, Investment promotion and Value addition in the Development Minerals Sector, 25-29 November	14	15	29
TOTAL		157	85	242
Zambia		Male	Female	Total
1	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 13-14 February	32	13	45
2	Partnership with Pact on Cobblestone	15	15	30
3	ZAGEMA outreach in Lundazi	52	28	80
4	Small Grant programmes: Safety management training at Zimba Cooperative by ESMAZ	59	102	161
TOTAL		158	158	316
GRAND TOTAL		934	472	1,406

*34% female representation in 36 country-level training events held in 2019.

2018

No	Training/workshop event	Male	Female	Total
Zambia				
1	Launch of a Cobblestone Training Course at the Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA) in Zambia, 14 February 2018, Lusaka Zambia	15	15	30
2	Sub-regional training workshop on Artisanal and small-scale mining for national geological surveys from Botswana, Namibia, South Africa, Zambia and Zimbabwe, 19-22 March 2018, Lusaka, Zambia	41	19	60

3	Zambia Workshop on Enhancing Inclusive Finance for Development Minerals, 09-13 July 2018, Lusaka, Zambia	30	7	37
4	Capacity building to Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA) in Cobblestone Paving technology, 20-31 August 2018, Lusaka, Zambia	21	5	26
5	Small grants implementation training by Zambian Gemstone Miners, Traders and Jewelers Marketing Association (ZAGEMA): Training on value-addition of semi-precious stones, 14 August-30 September 2018, Lundazi, Zambia	18	2	20
6	Zambia Training Workshop on Good Governance in Women Mining Associations and Cooperatives, 22-23 October 2018, Lusaka, Zambia	16	29	45
7	Zambia Country Level Validation Workshop on Geo-Data Digitization and Mapping of Development Minerals, 10-11 December 2018, Lusaka, Zambia	20	2	22
8	Small grants implementation training by Umodzi Arts Cooperative: Training on cobblestone paving technology, 01-30 September 2018, Kabanana, Zambia	29	41	70
9	Small grants implementation training by Emeralds and Semi-precious stones Mining Association of Zambia (ESMAZ): Training on occupational health and safety, 01-30 September 2018, Kalulushi and Mufulira, Zambia	28	35	63
TOTAL		218	155	373
Uganda		Male	Female	Total
1	Training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, 31 January-01 February 2018, Mukono, Uganda	26	13	39
2	Training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, 05-06 February 2018, Entebbe, Uganda	42	13	55
3	Training workshop on Inclusive Finance for Development Minerals in Uganda, 23-27 April 2018, Kampala, Uganda	30	20	50
4	7 th Annual Mineral Wealth Conference 2 – 3 October	10	5	15
5	Geo-data country level validation workshop, 29-30 November 2018, Entebbe, Uganda	20	6	26
TOTAL		128	57	185
Jamaica		Male	Female	Total
1	Training of trainers' workshop on Mine and Quarry Management of Development Minerals (special focus on blasting techniques), 15-17 February and 20 February 2018, Mandeville, Jamaica	21	7	28
2	Training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, 17-19 April and 24-25 April 2018, Kingston, Jamaica	12	3	15
3	Training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, 17-19 April and 24-25 April 2018, Mandeville, Jamaica	13	7	20
4	Training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, 01-03 May and 09-10 May 2018, Ocho Rios, Jamaica	13	11	24
5	Training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, 15-17 May and 29-30 May 2018, Montego Bay, Jamaica	19	5	24
6	Jamaica Country-level Training Workshop on Conflict Sensitive Mining and Grievance Handling, 13-14 August 2018, Kingston, Jamaica	27	5	32
7	Jamaica Country-level Training Workshop on Conflict Sensitive Mining and Grievance Handling, 16-17 August 2018, Montego Bay, Jamaica	7	1	8
8	Jamaica Country-level Training Workshop on Conflict Sensitive Mining and Grievance Handling, 20-21 August 2018, Mandeville, Jamaica	24	16	40
TOTAL		136	55	191
Guinea		Male	Female	Total
1	Training of trainers and Peer educators training on Environment, Community, Health, Safety; Enterprise skills, market analysis and value-addition of Development Minerals, 18-20 January 2018, N'Zérékoré, Guinée Forestière, Guinea	28	12	40
2	Training of trainers and Peer educators training on Environment, Community, Health, Safety; Enterprise skills, market analysis and	32	8	40

	value-addition of Development Minerals, 22-24 January 2018, Kankan, Haute-Guinée, Guinea			
3	Guinea training workshop on Geo-data digitization and mapping of Development Minerals, 06-17 February 2018, Conakry, Guinea	22	15	37
4	Workshop to review and validate the Baseline Assessment Report of Development Minerals in Guinea, 14 February 2018, Conakry, Guinea	74	6	80
5	Technical meeting for the preparation of the roll-out of training in the 8 pilot zones by the trained trainers, 01-02 March 2018, Kindia, Guinea.	36	4	40
6	Training of trainers and Peer educators training on Mine and Quarry Management of Development Minerals from Coyah and Boffa regions, Basse-Guinée, 05-08 March 2018, Guinea	33	9	42
7	Training of trainers and Peer educators training on Mine and Quarry Management of Development Minerals from Labé and Koundara regions, Moyenne-Guinée, 09-12 March 2018, Guinea	38	4	42
8	Training of trainers and Peer educators training on Mine and Quarry Management of Development Minerals from Kankan and Faranah regions, Haute-Guinée, 13-16 March 2018, Guinea	36	6	42
9	Training of trainers and Peer educators training on Mine and Quarry Management of Development Minerals from Kissidougou and N'Zérékoré regions, Guinée Forestière, 17-20 March 2018, Guinea	30	12	42
10	Workshop to consolidate Return to Work Plans for Basse Guinée and Moyenne Guinée, 08-10 May 2018, Kindia, Guinea	73	11	84
11	Workshop to consolidate Return to Work Plans for Haute-Guinée and Guinée Forestière, 11-13 May 2018, Kindia, Guinea	67	17	84
12	Training Workshop on Inclusive Finance for Development Minerals in Guinea, 30 July-3 August 2018, Conakry, Guinea	37	9	46
13	Geo-data country-level validation workshop, 20-21 September 2018, Conakry, Guinea	26	10	36
TOTAL		532	123	655
Fiji		Male	Female	Total
1	Training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, 12-16 February 2018, Labasa, Northern Division, Fiji	21	6	27
2	Training of trainers' workshop on Occupational, health and safety in quarries, 14-15 March 2018, Suva, Fiji	18	9	27
3	Fiji Training workshop on Geo-data digitization and mapping of Development Minerals, 23 April-04 May 2018, Suva, Fiji.	5	8	13
4	Training workshop on Standards, Specifications and Quality of Construction Materials with Fiji Roads Authority, 23-26 July 2018, Naviti Resort, Fiji	30	10	40
5	Training workshop on Community Grievances and Disputes, 28-30 August, Tokatoka Resort, Nadi, Fiji	20	6	26
TOTAL		94	39	133
Cameroon		Male	Female	Total
1	Cameroon training workshop on Geo-data digitization and mapping of Development Minerals, 15-26 January 2018, Dschang, Cameroon	21	11	32
2	Training of trainers' workshop on value-addition of Development Minerals, 05-15 February 2018, Maroua, Cameroon	34	6	40
3	Training workshop on Inclusive Finance for Development Minerals in Cameroon, 19-22 March 2018, Yaoundé, Cameroon	41	3	44
4	Knowledge sharing workshop on Geo-data digitization and mapping, 20-21 September 2018, Yaoundé, Cameroon	26	10	36
5	Validation workshop for Geo-data digitization and mapping, 06-07 December 2018, Mbalmayo, Cameroon	6	1	7
6. Training workshop for Ngan-Ha, Mbé and Banyo Development Minerals Cooperatives, Ngaoundéré, Cameroon		15	31	46
6.1	Training workshop on Mine and Quarry management, 10-12 March 2018, Ngaoundéré, Cameroon	15	31	46

7. Training workshop for Marom Development Minerals Cooperative, West, Cameroon		5	6	11
7.1	Training workshop on Basic accounting skills in the Development Minerals sector, 10 January 2018, west-Cameroon	5	6	11
8. Training workshop for Foubot Development Minerals Cooperative, West, Cameroon		3	4	7
8.1	Training workshop on Environment, community, health and safety of Development Minerals, 11 January 2018, west-Cameroon	3	4	7
9. Training workshop for Baham Development Minerals Cooperative, West, Cameroon		2	5	7
9.1	Training workshop on Quarry and Stone management: Tools and techniques for the promotion of ASM, 01 February 2018, west-Cameroon	2	5	7
9.2	Training workshop on Quarry and Stone management: Tools and techniques for the promotion of ASM, 01 February 2018, west-Cameroon	2	5	7
9.3	Training workshop on Enterprise skills in the Development Minerals sector, 08 February 2018, west-Cameroon	2	4	6
9.4	Training workshop on Basic accounting skills in the Development Minerals sector, 16 February 2018, west-Cameroon	2	4	6
10. Training workshop for Missingléo Maroua and Tappi Nafi Development Minerals Cooperatives, far-North, Cameroon		23	10	33
10.1	Training workshop on ASM legal and regulatory frameworks, 08 January 2018, far-North, Cameroon	23	10	33
10.2	Training workshop on Environment, Community, Health and Safety in the Development Minerals Sector, 30 January 2018, far-North, Cameroon	23	10	33
10.3	Training workshop on Market Analysis, Entrepreneurship and Value Chain Development, 22 December 2018, far-North, Cameroon	23	10	33
11. Training workshop for Mora, Boula IBI and Pitoa Garoua Development Minerals Cooperatives, far-North, Cameroon		30	70	100
11.1	Training workshop on ASM legal and regulatory frameworks, 15-18 February 2018, North and far-North, Cameroon	30	70	100
11.2	Training workshop on Environment, community, health and safety in the Development Minerals sector, 22-25 May 2018, North and far-North, Cameroon	30	70	100
TOTAL		206	157	363
Nigeria		Male	Female	Total
1	Training workshop on Inclusive Finance for Development Minerals in Nigeria, 29 October-02 November 2018, Lagos, Nigeria	28	6	34
TOTAL		28	6	34
GRAND TOTAL		1332	587	1919

*31% female representation in the 51 country-level training events held in 2018.

2017

No	Training/workshop event	Male	Female	Total
Fiji		Male	Female	Total
1	Training Workshop on Environmental Impact Assessment (EIA) Scoping, Suva, 24-25 May	25	8	33
2	Training on Environmental Impact Assessments, Licensing Processes and the Newly Promulgated Mines and Quarries Act (1 Day) Labasa Northern Division, 25 July	16	2	18
3	Training on Environmental Impact Assessments, Licensing Processes and the Newly Promulgated Mines and Quarries Act (1 Day) Savusavu, 26 July	14	0	14

4	Training Workshop on Business and Entrepreneurship Skills, Market Analysis and Investment Promotion in the Development Minerals sector, 18-22 December	30	1	31
TOTAL		85	11	96
Guinea		Male	Female	Total
1	Training workshops on Participatory Formalization and Creation of Artisanal Mining Cooperatives, (participants from Basse Guinée and Moyenne Guinée) – Kindia 10-12 August	23	1	24
2	Training workshops on Participatory Formalization and Creation of Artisanal Mining Cooperatives, (participants from Haute Guinée and Guinée Forestière) – Kindia 14-16 August	23	1	24
3	Training of trainers and Peer educators training on Environment, Community, Health, Safety, Labe, Moyenne Guinée, 20-22 December	37	3	40
4	Training of trainers and Peer educators training on Environment, Community, Health, Safety, Kindia, Basse-Guinée, 20-22 December	32	8	40
5	Training of trainers and Peer educators in Enterprise skills, market analysis and value-addition of Development Minerals, Labe, Moyenne Guinée, 24-26 December	37	3	40
6	Training of trainers and Peer educators in Enterprise skills, market analysis and value-addition of Development Minerals, Kindia, Basse-Guinée, 24-26 December	32	8	40
TOTAL		184	24	208
Jamaica		Male	Female	Total
1	Training workshop on Quarry management, St. Catherine, 7 March	41	15	56
2	Artisans training on Pottery and Ceramics Technology, Dar-es-Salaam, Tanzania, 28 March – 21 April	6	3	9
3	Jamaican Study Tour to Tanzania on Ceramic and Semi-Precious Stones, Dar-es-Salaam, Tanzania, 28 March-05 April	2	4	6
4	Training of Trainers (ToT) workshop on Environment, Community, Health and Safety – Kingston (2 days; 19-20 April)(2 days;27th-28th April)	12	7	19
5	Training of Trainers (ToT) workshop on Environment, Community, Health and Safety – Montego Bay (2 days; July 19-20th)(2 days;25-26th July)	23	7	30
6	Training of Trainers (ToT) Workshop on Blasting Techniques in Mining and Quarry Management, 31 October-3 November	32	10	42
7	Country-level Training Workshop on Geo-Data Digitization and Mapping of Development Minerals, 27 November-8 December	16	5	21
8	Quarry Operators Workshop on Environment, Community, Health and Safety of Development Minerals, Kingston, 19 December	14	1	15 ⁹
TOTAL		146	52	198
Uganda		Male	Female	Total
1	Training of Trainers (ToT) workshop on Environment, Community, Health and Safety, Entebbe, 9-13 April	21	12	33
2	Training of Trainers (ToT) workshop on Environment, Community, Health and Safety, Mbale, 15-19 May	26	14	40
3	Training of Trainers (ToT) workshop on Environment, Community, Health and Safety, Gulu, 12-16 June	30	14	44
4	Training of Trainers (ToT) workshop on Environment, Community, Health and Safety, Fort Portal, 26-30 June	28	16	44

⁹ Updated figure from previous reporting

5	Training Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals, Entebbe, 6-10 November	29	7	36
6	Training Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals, Mukono, 20-24 November	23	12	35
7	Training Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals, Mukono, 27 November – 01 December	27	12	39
8	Training Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals, Mukono, 4-8 December	24	9	33
9	Country-level Training Workshop on Geo-data Digitization and Mapping of Development Minerals, 4-15 December	14	5	19
TOTAL		222	101	323
Zambia		Male	Female	Total
1	Media training workshop on effective reporting on Development Minerals, Chisamba, 2-4 March	13	12	25
2	Training workshop on Mine & Quarry management; environment, health and safety; human, labour rights and community relations, Livingstone, 29 March-01 April	29	27	56
3	Training of Trainers (ToT) Workshop On Business And Entrepreneurship Skills, Market Analysis and Investment Promotion In Development the Minerals Sector, Kitwe, 21-21 August	24	17	41
4	Hands-on Training Workshop on Cobblestone Manufacturing and Paving Technology in Development Minerals, Lusaka, 11 September – 6 October	17	26	43
5	Training of Trainers (ToT) Workshop On Business And Entrepreneurship Skills, Market Analysis and Investment Promotion In Development the Minerals Sector, Chipata, 18-23 September	24	13	37
6	Training of Trainers (ToT) Workshop On Business And Entrepreneurship Skills, Market Analysis and Investment Promotion In Development the Minerals Sector, Siavonga, 25-30 September	14	20	34
7	Country-level Training Workshop on Geo-data Digitization and Mapping of Development Minerals, 20 November – 01 December	17	3	20
TOTAL		138	118	256
Cameroon		Male	Female	Total
1	Country-level training of trainers (ToT) workshops in Bertoua, 19 October-14 December. Training themes included: Environment, community, health and safety; enterprise skills, market analysis and value chain development; basic accounting and business planning; mine and quarry management; monitoring and evaluation	12	20	32
2	Country-level training of trainers (ToT) workshops in Ebebeba, 19 October-14 December. Training themes included: Environment, community, health and safety; enterprise skills, market analysis and value chain development; basic accounting and business planning; mine and quarry management; monitoring and evaluation	13	8	21
3	Country-level training of trainers (ToT) workshops in Meyo-Nyaka, 19 October-14 December. Training themes included: Environment, community, health and safety; enterprise skills, market analysis and value chain development; basic accounting and business planning; mine and quarry management; monitoring and evaluation	20	9	29
TOTAL		45	37	82
GRAND TOTAL		820	343	1163

*29% female representation in the 37 country-level training events held in 2017.

2016

No	Training/workshop event			
Fiji		Male	Female	Total

1	National consultation on capacity development roadmap in Fiji (Pacific focus country)	39	20	59
2	Training workshop on standard operating procedures of licensing river extraction and hard rock quarries	16	8	24
3	District national consultation in Northern province	9	2	11
TOTAL		64	30	94
Guinea		Male	Female	Total
1	National consultation on capacity development roadmap in Guinea (West Africa focus country)	67	6	73
2	Training of Trainers Workshop on Environment, Community, Health and Safety	46	4	50
TOTAL		113	10	123
Jamaica		Male	Female	Total
1	National consultation on capacity development roadmap in Jamaica (Caribbean focus country)	31	20	51
2	Media launch & industry sensitization on environment, quarry management and the Jamaican Quarries Control Act	46	15	61
3	Industry sensitization on environment, quarry management and the Jamaican Quarries Control Act, Kingston	19	5	24
4	Industry sensitization on environment, quarry management and the Jamaican Quarries Control Act, Mandeville	65	15	80
5	Industry sensitization on environment, quarry management and the Jamaican Quarries Control Act, Montego Bay	66	8	74
TOTAL		227	63	290
Uganda		Male	Female	Total
1	National consultation on capacity development roadmap in Uganda (East Africa focus country)	45	18	63
2	Mineral Wealth Conference	4	5	9
3	Inter-ministerial review committee to consolidate stakeholder feedback on the draft mineral policy	7	3	10
4	Media sensitization workshop on the Development Minerals sector	24	8	32
TOTAL		80	34	114
Zambia		Male	Female	Total
1	National consultation on capacity development roadmap in Zambia (Southern Africa focus country)	33	13	46
2	Training workshop on mine & quarry management; environment, health and safety; human, labour rights and community relations, Kitwe	32	8	40
3	Training workshop on mine & quarry management; environment, health and safety; human, labour rights and community relations, Lusaka	21	12	33
TOTAL		86	33	119
Cameroon		Male	Female	Total
1	National consultation on capacity development roadmap in Cameroon (Central Africa focus country)	61	23	84
2	Training Workshop on Environment, Community, Health and Safety – Francophone	28	12	40
3	Training of Trainers (ToT) Workshop on Environment, Community, Health and Safety – Francophone	18	6	24
4	Training of Trainers (ToT) Workshop on Environment, Community, Health and Safety – Anglophone	26	7	33
TOTAL		133	48	181
GRAND TOTAL		703	218	921

*24% Females were engaged in 21 country-level events held in 2016.

Regional-level Training

In the period under review (2014-2019), the following twenty-seven (27) regional workshops provided an opportunity to build individual, community and organizational capacity in the Development Minerals sector.

Output 1: Operating standards and technologies improved in mines and quarries through enhanced technical knowledge of the small-scale private sector, associations/chambers, and public institutions in mine and quarry management.

2018

Regional Training Workshops on Artisanal and Small-scale Mining (ASM) carried out in collaboration with the Intergovernmental Forum on Mining, Metals and Sustainable Development (IGF)

In the period under review, the ACP-EU Development Minerals Programme collaborated with the Intergovernmental Forum on Mining, Metals and Sustainable Development (IGF) to carry out two (2) regional training workshops on artisanal and small-scale mining (ASM). The Programme supported six training alumni (2 male; 4 female), to attend the regional workshop in Yaoundé, Cameroon from 26 February-01 March 2018; while an additional 3 female programme alumni were supported to attend the regional workshop in Punta Cana, the Dominican Republic from 25-29 June 2018.

The Return-to-Work projects from these two training workshops involved the formulation of national artisanal and small-scale mining (ASM) strategies, which articulated the nuanced issues of the Development Minerals sector.

2016

Regional Training Workshop on Quarry Management of Dimension Stones and Construction Materials

The Regional Training Workshop on Quarry Management of Dimension Stones and Construction Materials brought together 18 sponsored participants and 2 self-sponsored participants from 15 ACP countries to Carrara Italy, the heart of Europe's dimension stone industry from 15-20 June. The aim of the workshop was to enhance technical knowledge within public sector agencies, the private sector and quarry associations of the African Caribbean and Pacific Group of States in the management of quarried dimension stones and construction materials. The training workshop incorporated attendance at the 'Stone Sector and Changing Trends' international conference at Internazionale Marmi e Macchine (IMM) Carrara (16-17 June); attendance at the pre-conference training workshop 'Best Practice for Assessment and Reporting of Exploration Results, Mineral Resources and Mineral Reserves' (15 June); and attendance at a post-conference workshop/mentoring event on Quarry Management of Dimension Stones and Construction Materials (18-20 June).

Participation of the 20 participants at the StoneChange conference provided an opportunity to expose 150 participants at the conference to key aspects of Development Minerals. Presentations from the programme during the conference included closing remarks by Mr.

Sergio Piazzardi – EC; and a plenary session chaired by Dr. Daniel Franks – UNDP with 2 sponsored participants providing an overview of the Development Minerals sector in their country. Furthermore, the field trip to Carrara marble quarries provided ample learning opportunities and skills transfer for the 20 participants.



Field trip to the Carrara marble quarries, Carrara, Italy, 18 - 20 June, 2016; (Right) different types of marble in Carrara.



Field trip to the Carrara marble quarries, Carrara, Italy, 18 - 20 June, 2016.

Output 2: Environmental, health, safety standards improved, and human and labor rights better protected in artisanal and small-scale mining through enhanced technical and legal knowledge of the small-scale private sector, associations/chambers and public institutions.

2017

Southern Africa Regional Training Workshop on Environment, Community, Health and Safety

Maputo, Mozambique was the venue of the *Southern Africa Regional Training Workshop on Environment, Community, Health and Safety*, held from 03 – 06 April 2017. The workshop – co-hosted with the African Union Commission (AUC), the African Minerals Development Centre (AMDC), the Southern African Development Community (SADC) and the Ministry of Mineral Resources and Energy of the Republic of Mozambique – brought together 46 participants from ten (10) countries namely: Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, Rwanda, Sudan, Swaziland and Zimbabwe¹⁰.

The opening ceremony of the workshop was led by H.E. Augusto de Sousa Fernando, Deputy Minister of Mineral Resources and Energy of the Republic of Mozambique who highlighted the crucial role of Development Minerals in infrastructure development and the construction sector for spurring local economic development as was witnessed in Mozambique and the larger southern Africa region. The other high-level speakers at the opening ceremony included Mr. Frank Dixon Mugenyi, Representative of the African Union (AUC); Mr. Geert Anckaert, Head of Cooperation a.i., Delegation of the European Union to Mozambique and Ms. Marcia de Castro, UN Resident Coordinator and UNDP Resident Representative. All the speakers lay emphasis on the catalytic role of Development Minerals in achieving inclusive, sustainable human development in the region. Mr. Adriano Silvestre Senvano, Director of Mozambique's National Institute of Mines (INAMI) facilitated the Opening Ceremony.

The field visit to 5 mining and quarrying sites in Boane and Namahacha Districts, provided an opportunity for the training participants to observe the mining of aggregates, bentonite, Namahacha facing and paving stone and white sand mining. The workshop participants also had the opportunity to visit a brick factory with a capacity of 10 thousand bricks per day. This practical component of the training workshop supported the concretization of the key learnings from the training and greatly contributed to the outcomes developed in the participants' Return to Work Plans.

¹⁰ Botswana, Swaziland and Sudan joined the workshop as self-sponsored countries.



From the left: Mr. Geert Anckaert, Head of Cooperation a.i., Delegation of the European Union to Mozambique, Mr. Adriano Silvestre Senvano, Director of Mozambique's National Institute of Mines (INAMI), Ms. Marcia de Castro, UN Resident Coordinator and UNDP Resident Representative, H.E. Augusto de Sousa Fernando, Deputy Minister of Mineral Resources and Energy of the Republic of Mozambique.



Mr. Frank Dixon Mugenyi, Representative of the African Union and Dr. Daniel Franks, Programme Manager & Chief Technical Advisor, ACP-EU Development Minerals Programme.



Assorted images from the Southern Africa Regional Training workshop on Environment, Community, Health and Safety of Development Minerals, Maputo, Mozambique (03-06 April, 2017)

Curricula Sprint on Environment, Community, Health and Safety

A *Curricula Sprint on Environment, Community, Health and Safety* was held in Maputo, Mozambique (07 - 09 April 2017). The three-day training event was aimed at developing tailored curricula on Development Minerals for independent and onward delivery by Universities, vocational training centres, research centres and business development organisations. The curricula was collaboratively refined, tailored and developed for the target institutions and audiences by 21 participants from 18 universities, research and training institutions in the ACP regions drawn from the following 15 countries: Cameroon, the Democratic Republic of the Congo, Ethiopia, Fiji, Ghana, Guinea (Conakry), Jamaica, Kenya, Malawi, Mozambique, Nigeria, Papua New Guinea, Tanzania, Uganda and Zambia. This was the first edition of the curricula sprint, which encompassed the following three modules: Module 0: Introduction to Development Minerals; Module 2: Environment, Health and Safety; Module 6: Community Relations and Conflict.



Assorted images from the Curricula Sprint on Environment, Community, Health and Safety of Development Minerals, Maputo, Mozambique (07-09 April 2017).

2016

West Africa Regional Training Workshop on Environment, Community, Health and Safety

Accra, Ghana was the venue of the *West Africa Regional Training Workshop on Environment, Community, Health and Safety*, held 15 – 18 March 2016. The workshop – co-hosted with the African Union Commission, ECOWAS Commission, the Minerals Commission of Ghana and the African Minerals Development Centre – brought together 58 participants from 12 West African countries, including Benin, Burkina Faso, Cote d'Ivoire, Ghana, Guinea, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone and Togo.

The opening ceremony was led by Hon. Nii Osah Mills, Minister of Lands and Natural Resources of Ghana who emphasised the economic and social importance of Development Minerals in Ghana and in the sub-region. His opening speech was preceded by remarks from Mr. Vinassou Gnassounou, Assistant Secretary General, ACP Secretariat (video speech); Mr.

William Baidoe, ECOWAS Commission; Mr. Johannes van der Ploeg, representative of the EU Delegation in Ghana and Mr. Mulugeta Abebe, UNDP Deputy Country Director for Ghana. The field visit to 3 quarrying sites (one of which featured artisanal miners), helped the workshop participants to concretize the lessons learnt thus far, and provided an opportunity for further interrogation of the key issues impacting on the mining of Development Minerals. The training was led by Professor Salvador Mondlane (Mozambique) and Lacina Pakoun (UNDP).



Field trip during the West Africa Regional Training Workshop on Environment, Community, Health and Safety, Accra, Ghana, 17 March 2016. West Africa Quarries Limited (WAQL) (left) and ASM quartzite site (right)



Group work during the West Africa Regional Training Workshop on Environment, Community, Health and Safety, Accra, Ghana, 15 – 18 March 2016.

Caribbean Regional Training Workshop on Environment, Community, Health and Safety

The Caribbean Regional Training Workshop on *Environment, Community, Health and Safety* took place from 18 – 21 April in Georgetown, Guyana bringing together 43 participants from the Dominican Republic, Guyana, Haiti, Jamaica, Suriname and Trinidad and Tobago. Several high-level speakers made remarks at the opening ceremony including His Excellency Raphael

Trotman, Minister of Natural Resources, Guyana; Ambassador Videtič, EU Head of Delegation; Dr Douglas Slater, Assistant Secretary General, Human & Social Development, CARICOM Secretariat; and Ms. Khadija Musa, UN Resident Coordinator / UNDP Resident Representative, Guyana. The field trip to a quarrying site along the Mazaruni River, enhanced critical reflection and knowledge sharing among the participants on the nuanced issues affecting the mining operations of Development Minerals. The co-trainers of the Workshop were Associate Professor Carmel Bofinger, Minerals Industry Safety and Health Centre, University of Queensland; and Lacina Pakoun (UNDP).



Field trip during the Caribbean Regional Training Workshop on Environment, Community, Health and Safety, Georgetown, Guyana, 20 April, 2016. BK Quarries produces a total of 280 tons of aggregate per hour and produces between 20-40 thousand tons monthly.



Figure 30: Trinidad and Tobago group work



Figure 31: Haiti group work

2016

Central African Regional Training Workshop on Environment, Community, Health and Safety

Brazzaville, Congo welcomed 44 participants from Cameroon, Congo Republic, Gabon, Democratic Republic of Congo and Madagascar to the 5th Regional Training Workshop on Environment, Community, Health and Safety on 20-23 September 2016. The workshop was co-hosted with the African Union Commission (AUC), the Africa Minerals Development Centre, the Economic Community for Central African States (ECCAS) and the Ministry of Mines and Geology of the Republic of Congo.

In his opening address, Hon. Pierre Oba, Minister of Mines and Geology, stressed the need for harnessing the potential of Development Minerals to reduce heavy dependence on oil and to diversify the economy. Other high-level remarks were made by Mr. Frank Mugenyi, Senior Advisor, Department of Trade and Industry, AUC; Mr. Tabu Abdallah Manirakiza, Deputy Secretary General, ECCAS; Ambassador Saskia De Lang, Head of the EU Delegation to the Republic of Congo; and Mr. Mohamed Abchir, Deputy Resident Representative, UNDP - Republic of Congo. A field visit to two quarry sites on the Congo River hosting over 500 miners provided an opportunity to put into practice the knowledge acquired during the workshop. The co-trainers for this workshop were Daniel Ngendakuriyo and Lacina Pakoun – UNDP.



Figure 32: Workshop participants interviewing venue a female stone crusher during the field trip, 22 September 2016, Brazzaville, Congo Republic.



Figure 33: Group photo outside workshop 20 September 2016, Brazzaville, Congo

2015

East Africa Regional Training Workshop on Environment, Community, Health and Safety

The East Africa Regional Training Workshop on Environment, Community, Health and Safety was held in Addis Ababa, 9-12 November (for Ethiopia, Kenya, Tanzania, Zambia and Uganda). The event was held in association with the Africa Union Commission and the African Minerals Development Centre at the African Union Commission conference facilities in Addis Ababa. Thirty-nine mid-level professionals were selected, representing public stakeholders such as regulatory agencies and local governments; private stakeholders such as small-scale mining enterprises, associations, and business development centres; and social stakeholders such as civil society organizations and community groups (see list of participants; Annex H).

The Opening Ceremony of the workshop doubled as the Africa launch of the Programme. The theme of the Opening Ceremony was 'Economic Empowerment from Africa's Minerals'. High-level participants delivered key-note addresses about the role of LVMM in economic development in Africa, including:

- Ambassador Gary Quince, Head of the EU Delegation to the African Union
- H.E. Tolesa Shagi, Minister of Mines, Federal Democratic Republic of Ethiopia
- Dr Emagna, Private Sector & Investment Expert, African Caribbean and Pacific Secretariat
- H.E Ms. Fatima Haram Acyl, Commissioner, Trade and Industry, African Union Commission
- Mr. Lebogang Motlana, Director, UNDP Regional Service Centre – Africa.

A panel discussion followed on the theme, with presentations from:

- Frank Dixon Mugenyi, Senior Industry Advisor, Trade and Industry Department, African Union Commission
- Dr. Degol Hailu, Global Extractives Lead and Senior Advisor, UNDP
- Dr. Kojo Busia, African Minerals Development Centre
- Mr. Jiksa Kidane, Acting Director - ASM, Ministry of Mines, Ethiopia
- Ms. Majala Mlagui, CEO Thamani Group, Kenya

The four-day training followed the opening ceremony. The training was led by Professor Salvador Mondlane (Mozambique) and Lacina Pakoun (UNDP). A field trip was held on Wednesday the 11th of November 2015 to three quarry sites near Debre Zeit that supply pumice, ash and other locally consumed construction material. The field visits provided participants with the first-hand experience on mine and quarry management, environment, health and safety and community relations issues. Participants met with site management/leadership, technical professionals, community members and representatives of local organisations. The participants conducted rapid assessments of the operation and management of the sites by direct observation and testimonials and provided feedback to the quarry operators.



Training participants and dignitaries at the Opening Ceremony of the East Africa Regional Training Workshop on Environment, Community, Health and Safety in the Neglected Development Minerals Sector, African Union Commission, Addis Ababa, 9-12, November 2015

Field trip of East Africa Regional Training Workshop. Left – Members of an artisanal mining cooperative near Debre Zeit, Addis Ababa, Ethiopia. Right – Dialogue between training participants and community members living in the vicinity of a small-scale scoria quarry near Debre Zeit, Addis Ababa, Ethiopia.

Ministry of Energy and Mineral Development, Uganda; Frank Mugenyi Dixon, Africa Union Commission; Wubishet Bachare **Roba, small-scale miner, Ethiopia.**

Pacific Regional Training Workshop on Environment, Community, Health and Safety

The Pacific Regional Training Workshop on Environment, Community, Health and Safety was held in Suva, on 1-4 December 2015. The event was opened by Hon. Mereseini Vuniwaqa, Minister for Lands and Mineral Resources, Fiji; Amb. Andrew Jacobs, Head of the EU Delegation to the Pacific; and Ms. Osnat Lubrani, UNDP Resident Representative Fiji.

Forty-four participants were supported to attend representing Fiji, Papua New Guinea, Samoa, Solomon Islands, Tonga and Vanuatu. The participants were competitively selected via a Request for the Application process. The event was co-hosted by the Government of Fiji and the Secretariat of the Pacific Community. A field trip was held to two aggregate quarries providing building materials for Fiji and the wider Pacific and a rehabilitated quarry that is now an eco-tourism resort. The co-trainers of the Workshop were Associate Professor Carmel Bofinger, Minerals Industry Safety and Health Centre, University of Queensland; Dr Warwick Browne, RareFind Consulting; and Lacina Pakoun (UNDP).



Training participants of the Pacific Regional Training Workshop on Environment, Community, Health and Safety in the Neglected Development Minerals Sector, Suva, Fiji, 1-4 December 2015.



Field trip during the Pacific Regional Training Workshop on Environment, Community, Health and Safety, Suva, Fiji, 3 December, 2015. Standard Concrete (left) and Colo-i-Suva eco-tourism resort (right; a rehabilitated aggregate quarry).

Output 3: Productivity, access to markets and working capital of the small-scale private sector in mining increased through enhanced entrepreneurial skills.

2018

Regional Training Workshops on Enterprise skills, Market analysis, Investment promotion and Value-addition of Development Minerals

Three regional training workshops on Enterprise skills, Market analysis, Investment promotion and Value-addition of Development Minerals took place during the period 06-10 September 2018 in Livingstone, Zambia. To maximize South-South cooperation and knowledge sharing between the ACP regions, the training workshops brought together 137 participants from Africa, the Caribbean and Pacific regions grouped into three regional trainings as follows: English-speaking Africa (68 participants); French-speaking Africa & Haiti (42 participants); Caribbean and Pacific regions (27 participants). The workshops were held as pre-conference training workshops for the International Conference on Artisanal and Small-scale Mining & Quarrying (ASM18), held from 11-13 September 2018 in Livingstone, Zambia.

A day-long field visit was organized as part of the training workshops, to enable the participants to apply the knowledge and skills acquired, while practically demonstrating the nuances peculiar to the Development Minerals sector. The three field sites included: (a) Kazungula Bridge – a massive infrastructure project comprising of a road and rail bridge under construction over the Zambezi River. Mr. Mwandila, who has benefited from the capacity building by the Programme in Zambia improved the quality of his aggregates to supply to the contractors of the Kazungula Bridge project, generating additional 300 jobs at the quarry to meet the demand for the project; (b) Machenja quarry – a mechanized quarry which supplies aggregates of varying sizes and physical specifications meeting the requirements of the ongoing works at the Kazungula Bridge construction site. The aggregates are also supplied to the road contractors in and around Livingstone, Kazungula and Sesheke; (c) Ngwenya quarry - an artisanal aggregate crushing site at Maramba, located within the environs of Livingstone. The site has more than 400 artisanal and small-scale miners (ASM) using hand digging and crushing tools in the mining and processing of basalt. A large majority of the ASM are women.

The quarry site has a mining title and is a very active site that supports the construction and infrastructure sectors in Livingstone.

The three workshops improved the capacity of 137 key stakeholders (80 male; 57 female) operating in the Development Minerals sector, including small-scale operators/SMEs, mining associations, business development service providers. They gained skills to help them establish and manage business enterprises in a sustainable and inclusive manner, ensuring thriving and high-growth SMEs. The training participants thereafter utilized the knowledge gained to inform the Outcome Declaration of ASM18 as participants to the International Conference.

Assorted images of the three Regional Training Workshops on Enterprise skills, Market analysis, Investment promotion and Value-addition of Development Minerals, Livingstone, Zambia (06-10 September 2018)







2015

Regional Sharefair on Gender Equality in the Extractives Industry

The programme sponsored 12 women small scale miners working in LVMM to attend the Regional Sharefair on Gender Equality in the Extractives Industry, Nairobi on the 13-15 October 2015. UN Women in collaboration with key partners (including the ACP-EU Development Minerals Programme) brought together governments, small-scale miners, civil society, and the private sector to participate in the event. The Regional Sharefair was attended by 430 participants from across Africa to share knowledge and facilitate dialogue on pertinent issues affecting women in the extractive industries – including promoting innovations and technologies, best practices and policies that support women working in and affecting by extractive industries. The 12 women miners were drawn from Malawi, Mozambique, Tanzania and Zambia.

The UNDP Programme team facilitated an opening ceremony speaking role for Ambassador Stefan Dejak, Head of the EU Delegation in Kenya, alongside high-level dignitaries including Kenyan Cabinet Secretary of Mining – H. E Najib Balala; Australian High Commissioner – Ambassador John Feakes; UN Under Secretary General and Director General of UNON – Amb. Sahle-Work Zewde. Ambassador Dejak made remarks on the EU's commitment to gender equality, including in the extractive industries. Some of his quotes were tweeted by the UNDP Programme Team and retweeted to over 700,000 recipients through the twitter handles of the EU in Kenya, UNDP Brussels, and Jeff Koinange (moderator of the opening ceremony and media personality in Kenya). The UNDP Programme team contributed to the outcome document of the Sharefair, which captured several key policy issues advocated by the ACP-EU Development Minerals Programme. The outcome document will be used for policy advocacy at national (country-level), sub-regional (Regional Economic Community -level) and regional (Africa-wide), including at the African Union Commission level.



Women miners sponsored to attend Regional Sharefair on Gender Equality in the Extractive Industries. Left: Demonstrating clay mining methods to H. E Najib Balala, Kenyan Cabinet Secretary of Mining. Right: Sponsored women small scale miners from Mozambique.

Output 4: Value chains in mining strengthened through networking and improved capacity of associations/chambers and public institutions to conduct market analysis and investment promotion.

2016

Emerging Leaders in African Mining (ELAM) Program 2016

The Emerging Leaders in African Mining program was held over a period of two weeks, from 1st – 12th February 2016, in Cape Town, South Africa. As in previous years, the program ran in conjunction with African Mining Indaba 2016. Applications were received from over a hundred individuals in government, civil society and academia working on issues related to the minerals sector, with the final selection of participants made in conjunction with AMDC, Minerals and Energy for Development Alliance (MEfDA) and UNDP programme implementation team. The ACP-EU Development Minerals Programme implemented by UNDP sponsored 8 out of the 23 participants of the program, who were young professionals working in government, university, civil society and private sector organisations in Africa dealing with mining and development issues and have been identified as emerging leaders in their areas of expertise.

The first week comprised of a series of lectures and discussions surrounding challenges and leadership in the African extractive industry in which a presentation on the ACP-EU Development Minerals programme was delivered. This presentation exposed all 23 participants to the role of Development Minerals in inclusive development, resulting in 70 per cent of the return-to-work plans focusing on these minerals. The second week included attendance at the Africa Mining Indaba event in Cape Town as well as additional meetings with industry and government leaders to concretize the learning for the program participants. The training program was co-facilitated by Ms. Caroline Ngonze – UNDP alongside Prof. David Day – University of Western Australia, Mr. Robin Evans – University of Queensland, Ms. Elspeth Donovan – the University of Cambridge and Ms. Claudine Sigam – AMDC.



Week 1 of the ELAM 2016 program, 01 – 12 February 2016, Cape Town South Africa.



Training participants discussing Development Minerals during the ELAM 2016 program, 01 – 12 February 2016, Cape Town South Africa.

Output 5: Access to geo-data in mining improved through enhanced technical knowledge, capacity and coordination among public institutions.

2018

In 2018, the following eleven (11) regional workshops provided an opportunity to build individual, community and organizational capacity in the Development Minerals sector.

Regional Training on Geo-data Digitization and Mapping of Development Minerals

Six regional training workshops on Geo-data digitization and mapping of Development Minerals were carried out during the year 2018. Five of the workshops were carried out in partnership with the African Minerals and Geosciences Centre (AMGC) in Dar-es-Salaam,

Tanzania. A total of 112 geo-specialists (35.7% female; 64.3% male) drawn from 25 African countries, implementing the programme took part in the regional training workshops as follows:

- West Africa (French language) – Benin, Burkina Faso, Cote d'Ivoire, Mali, Niger, Senegal, and Togo;
- West Africa (English language) – Ghana, Nigeria, Sierra Leone, and Sudan;
- Central Africa - the Congo Republic, Democratic Republic of Congo, Gabon, and Madagascar;
- Southern Africa – Angola, Lesotho, Malawi, Mozambique, Namibia, and Zimbabwe;
- East Africa – Ethiopia, Kenya, Tanzania, and Rwanda.

The African Minerals and Geosciences Centre hosted the five regional training workshops on Geo-data Digitization and Mapping of Development Minerals that took place over a 6-month period between February and July 2018.

As part of the practical hands-on training component for this two-week training programme, a field excursion was organized to collect field data and practice reserves estimation during each of the five regional training workshops. Two field site visits as part of the training were organized to Kisarawe kaolin deposit and Msolwa construction materials mining site. Kisarawe is located about 30 km from Dar es Salaam in the southwest direction. Msolwa is 115 km west of Dar es Salaam. The data collected during the field visit was used for practical teaching exercises undertaken in the second week of the training.

Assorted images of the field excursion sites for the five Regional Training Workshops on Geo-data Digitization and Mapping of Development Minerals, Dar-es-Salaam, Tanzania (February 2018 – July 2018)





The outcome of the five regional training workshops was the formulation of country-level Return-to-Work projects aimed at the development of updated geo-data maps and/or inventories for Development Minerals in the 25 countries that were part of the training workshops.

The Pacific regional training workshop on Geo-data digitization and mapping of Development Minerals took place from 23 April to 04 May 2018 in Suva Fiji. The training brought together 19 (14 male; 5 female) geo-specialists from Papua New Guinea, Samoa, Solomon Islands, Tonga and Vanuatu. The course content included theoretical modules that covered principles of geospatial information Science, practical exercises geared at solidifying concepts and better equipping participants to gain new skills, demonstrations, case studies and fieldwork. The main topics of the course included: Introduction to GIS, Available Geospatial Technologies, Introduction to Software Technologies- Open Source and Proprietary with main focus on ArcGIS, QGIS, GeoServer, Map Projections and Coordinate Systems, Introduction to Georeferencing, Spatial Data Collection and Capture, Introduction to UAV, Spatial Data Analysis, Geological Mapping, Resource and Reserve Estimation, WebGIS, Reporting and presenting Data. The curricula combined trainer and guest presentations, and group knowledge sharing sessions as well as demonstrations and practical exercises.

As part of the hands-on component of the training, the course participants carried out field work at the Nasinu Quarry in Suva. The participants also undertook a mini capstone project that allowed them to showcase the geospatial skills learnt. It allowed them to apply what they learnt by creating a Geodatabase that contained features representing the three vector data abstractions of reality, conducting spatial analysis and presenting a final map.

Similar to the other five regional training workshops, the outcome of this Pacific regional training workshop was the development of Return-to-Work projects centred on the

development of geo-data maps and/or inventories on Development Minerals. Nine Return-to-Work projects were developed and are currently under implementation.

Assorted images of the field excursion for the Pacific Regional Training Workshop on Geo-data Digitization and Mapping of Development Minerals, Suva, Fiji (23 April – 04 May 2018)



2017

African Focus Countries Regional Training Workshop on Geo-data Digitization and Mapping of Development Minerals

The African Minerals and Geosciences Centre in Dar-es-Salaam, Tanzania was the venue for the African Focus Countries Regional Training Workshop on Geo-data Digitization and Mapping of Development Minerals that took place from 30 October – 10 November 2017. This training workshop brought together twenty (20) participants from the four focus countries in Africa, namely: Cameroon, Guinea (Conakry), Uganda and Zambia.

As part of the practical hands-on training component, a field excursion was organized to collect field data and practice reserves estimation on Saturday 04 November and Sunday 05 November. The field trip visit took place at Kisarawe Kaolin Mine site and Msolwa construction materials quarry sites, which are 80 km SW of Dar es Salaam and 115 km west of Dar es Salaam city respectively. The data collected during the field visit was used for practical teaching exercises undertaken in the second week of the training.



Assorted images of the field excursion sites for the African Focus Countries Regional Training Workshop on Geo-data Digitization and Mapping of Development Minerals, Dar-es-Salaam, Tanzania (30 October-10 November 2017)

Caribbean Regional Training on Geo-data Digitization and Mapping of Development Minerals

The Caribbean Regional Training Workshop on Geo-data Digitization and Mapping of Development Minerals took place at the University of West Indies at St. Augustine in Port of Spain, Trinidad and Tobago from 06 – 17 November 2017.

The opening ceremony was moderated by Mr. Monty Beharry, Director of Minerals, Ministry of Energy. Several speakers made remarks including Hon. Franklin Khan, Minister of Energy and Energy Industries, Trinidad and Tobago who underscored the importance of diversifying Trinidad and Tobago's extractives sector to place Development Minerals at the centre of the economic and social development agenda. Mr. Ulrich Thiessen, EU Delegation to Trinidad and Tobago; Ms. Amrikha Singh, CARICOM Secretariat; Mr. Richard Blewitt, UN Resident Representative, Trinidad and Tobago; and Ms. Caroline Ngonze, Programme Specialist, ACP-EU Development Minerals Programme all highlighted the need to leverage the transformational potential of Development Minerals in national and local development.

Other presenters during the training included: Dr Daniel Franks, Chief Technical Advisor & Program Manager, ACP-EU Development Minerals Programme, UNDP and Ms. Caroline Ngonze, Programme Specialist, ACP-EU Development Minerals Programme.

The field trip held during the training visited the Limestone Scott Quarry, and the sand and gravels sites of the National Quarries Company Ltd of Trinidad and Tobago, located in Verdant Vale (within the wider Blanchisseuse area, a village located about midway along the north coast of Trinidad on the northern slope of the Northern Range, about 24 km north of Arima).

Guided by the geological map prepared during the training and the satellite images of the area, the field team checked the different geological materials of interest in the area recording the coordinates of the geological features boundaries using the data loggers.

Data collected in the field included:

- The extent of the raw materials in the geological map covering the area to confirm the lithologies on the map.
- Types of different rocks identified in the area as a source of construction material
- The thickness of the formations

The field groups then used this data to prepare maps and cross-sections.





Assorted images from the field excursion during the Caribbean Regional Training Workshop on Geo-data Digitization and Mapping of Development Minerals, Port-of-Spain, Trinidad and Tobago (06-17 November 2017).

2016

In-Conference Workshop: Development Minerals in Africa during the 26th Colloquium of African Geology (CAG26)

The ACP-EU Development Minerals Programme partnered with the African Minerals and Geosciences Centre (AMGC), to host an in-conference workshop during the 26th Colloquium of African Geology (CAG26) in Ibadan, Nigeria on 24th November 2016. This workshop, attended by 80 geologists from across the continent, deliberated upon the role of the geosciences community in fostering sustainable development from the mining, processing and use of Development Minerals, particularly the link between Development Minerals and ASM in Africa; the resource potential of Development Minerals in Africa; the socio-economic importance of Development Minerals; support and access to geological information for Development Minerals operators; environment, community and safety issues in the exploitation of Development Minerals; the role of AMGC and other African geological institutions in fostering Development Minerals in Africa.

A presentation by the Programme Manager titled: 'Development Minerals': Reclaiming a neglected sector set the stage for workshop. The subsequent panel discussion that considered the role of the geosciences community in fostering sustainable development in the mining and processing of Development Minerals was chaired by Ibrahim Shaddad, Director General, AMGC and included Prof. Salvador Mondlane Jnr., Eduardo Mondlane University, Mozambique; Olugbenga Okunlola, Chair of the CAG26 Organising Committee, Nigeria; Daniel Franks, UNDP; and Kristine Asch, BGR, Germany.

This was followed up by various paper presentations on Development Minerals presented by experienced geoscientists from Ethiopia, Ghana, Nigeria and Zambia. These presentations, which were followed by panel discussions, enriched significantly the outcome of the workshop, to be taken up by the Organization of African Geologists. The communiqué of CAG26 identified Development Minerals as "low hanging fruits for quick investment opportunities" that "if properly harnessed could provide over three million jobs over the next four years in Africa with countries like Nigeria and South Africa, benefiting most."

Find the full **CAG26 communiqué**: <https://www.channelstv.com/2016/12/05/geologists-seek-domestication-of-african-mining-vision/>



Panelists during the in-country workshop on Development Minerals in Africa at CAG26, Ibadan, Nigeria

2015

Geoscience Information in Africa Workshop (GIRAF 2015)

The programme sponsored 14 participants to attend the GIRAF 2015 Workshop in Maputo, 6–9 of October, 2015. GIRAF is a pan-African geoscience information knowledge network of geological surveys, universities and companies. Established in 2006 the network hosts bi-annual capacity building workshops for south-to-south knowledge exchange. Around 90 participants attended the workshop, representing the key geological institutions and geological surveys in Africa. A larger number of people were registered to attend the event (180), but in the absence of sponsorship did not have the resources to participate. This fact is an indicator of the need and desire for such a network and the scarcity of resources to capitalize on such opportunities. The network itself is in excess of 380 people. BGR (the Federal Institute for Geosciences and Natural Resources in Germany) is the main sponsor of GIRAF. Sponsorship of GIRAF 2015 was also provided by GIZ and UNESCO. Two sessions were held on Development Minerals (previously referred to as LVMM) allowing our 14 sponsored participants to create a lively discussion amongst all attendees. The sponsorship was an opportunity to influence the curricula for all of the participants (not just the participants sponsored by the programme) such that the particular challenges for the Development Minerals sector were highlighted and a prompt for Geological Surveys in Africa to consider the sector more closely. The German Ambassador to Mozambique, Dr. Philipp Schauer opened the event, along with Adriano Senvano, Director of the National Institute of Mines,

Mozambique. The UNDP Programme Manager, Dr Daniel Franks gave a welcome speech outlining the programme as part of the opening ceremony.



Participants at the Geoscience Information in Africa Workshop, 6-9 October, Maputo, Mozambique. The ACP-EU Development Minerals Programme sponsored 14 participants.

Output 6: Risk of conflict between miners, mining enterprises and local communities reduced by building conflict prevention, dialogue and mediation skills of miners, associations/chambers, public institutions and communities

All 6 regional training workshops undertaken on the theme “Environment, community, Health and safety of Development Minerals” had a module on “Community relations and grievance handling mechanism”.

Country-Level Training

One hundred and forty-three (143) country level training workshops provided an opportunity to build individual, community and organizational capacity in the Development Minerals sector of 6 focus countries as indicated in the tables below.

Output 1: Operating standards and technologies improved in mines and quarries through enhanced technical knowledge of the small-scale private sector, associations/chambers, and public institutions in mine and quarry management;

2019

Country-level workshops on Output 1

No	Training/workshop event	Male	Female	Total
Cameroon				
1	Training workshop with Marom cooperative of Foumban, 12 February, Foumban	10	25	35
2	Working sessions with Foumban cooperative: Evaluation of programme implementation at mine-site, 13 February, Foumban	25	2	27
3	Training workshop with artisanal miners in Mora/Maroua, 16 February	30	5	35
4	Training workshop with artisanal miners in Missingueleo, 18 February	20	5	25

5	Training workshop with the National Superior Polytechnique of Maroua (l'ecole nationale superieure polytechnique de maroua -ENSPM), 19 February	10	3	13
6	Training workshop with artisanal miners at the pilot site Boula-Ibi in Garoua: Evaluation of programme implementation at mine-site, 20 February	5	25	30
7	Training workshop with artisanal sand miners Gamboukou Ngan-Ha: Evaluation of programme implementation at mine-site, 21 February	7	18	25
8	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 29-30 April, Mbalmayo, Cameroon	30	7	37
TOTAL		137	90	227
Fiji		Male	Female	Total
9	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 5 February, Suva, Fiji,	22	8	30
TOTAL		22	8	30
Guinea		Male	Female	Total
10	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 7 May, Conakry	81	20	101
TOTAL		81	20	101
Jamaica		Male	Female	Total
11	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 9 January, Kingston	49	26	75
12	Stakeholder workshop for the Findings of the slope stability grant project, 1 February, Kingston	20	10	30
13	Country-level Final Conference in Central Jamaica, for phase I implementation of the ACP-EU Development Minerals Programme, 2 April	15	8	23
14	Country-level Final Conference in Western Jamaica, for phase I implementation of the ACP-EU Development Minerals Programme, 25 April	29	10	39
TOTAL		113	54	167
Uganda		Male	Female	Total
15	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 27 February	39	22	61
16	Technical revision of the 2019 Mining and Minerals Bill: 1st residential workshop with the inter-ministerial team, 15-19 April	12	7	19
17	Technical revision of the 2019 Mining and Minerals Bill: 2nd residential workshop with the inter-ministerial team, 7-10 May	15	6	21
TOTAL		66	35	101
Zambia		Male	Female	Total
18	Final country national stakeholder consultation workshop for phase I implementation of the ACP-EU Development Minerals Programme, 13-14 February	32	13	45
19	Partnership with Pact on Cobblestone	15	15	30
TOTAL		47	28	75
GRAND TOTAL		466	235	701

2018

Guinea – Training of Trainers (ToT) and Peer educators training Workshop on Mine & Quarry Management;

A large-scale training and awareness-raising programme targeting mine/quarry site trainers and peer educators were undertaken between 01-20 March 2018 in Kindia, Guinea. This training programme aimed at equipping a cohort of 42 trainers and peer educators with requisite skills, knowledge and adult-learning training methodologies in the Development Minerals sector. These activities were designed to transfer the skills at mine and quarry sites in the 8 pilot zones for the programme. This training cohort was drawn from Coyah and Boffa regions, Basse-Guinée; Labé and Koundara regions, Moyenne-Guinée; Kankan and Faranah regions, Haute-Guinée; Kissidougou and N'Zérékoré regions, Guinée Forestière.

On completion of the training, the trained trainers and peer educators further rolled-out the contextualized skills training on mine and quarry management of Development Minerals at mine and quarry sites. This training and capacity building activities at mine and quarry site-level engaged 6,077 artisanal and small-scale miners in the eight pilot zones. Near parity was reached in the mine-site capacity-building campaign as 3,073 (50.6%) of the miners were male while 3,004 (49.4%) were female.

Cameroon – Training Workshop on Mine & Quarry Management;

A total of 46 key stakeholders took part in a country-level training on Mine and Quarry Management in Ngaoundéré, Cameroon from 10-12 March 2018. This training provided advanced skills in the management of mines and quarries that are priority Development Minerals in Cameroon, namely: clay, dimension stone, pozzolana, sand and sapphire. Communication for Development (C4D) materials, including image boxes that were specifically developed for this purpose, were used to ensure a very practical application of the newly acquired knowledge and skills.

Along the same lines, 7 artisanal and small-scale miners from Coopérative Baham, Ouest-Cameroon were equipped with advanced skills and techniques on mine and quarry management, to enable them to undertake further grassroots training for miners in their cooperatives.

Jamaica – Training of Trainers (ToT) Workshop on Mine & Quarry Management of Development Minerals (special focus on blasting techniques)

Twenty-eight private sector quarry operators from Western and Central Jamaica took part in a 4-day hands-on training on mine and quarry management, with a special focus on blasting techniques. This training workshop took place from 15-17 February and 20th February 2018 in Mandeville, Jamaica.

As part of the training workshop, a field visit to S&G Limestone quarry in Dunsinane, Manchester, Central Jamaica was undertaken where blast demonstrations were carried out by the training participants. This enabled an efficient application of the newly acquired blasting skills and techniques.

Cameroon – Training workshop on legal and regulatory frameworks on mine and quarry management in artisanal and small-scale mining (ASM)

A total of 133 artisanal and small-scale miners from Mora, Boula IBI, Pitoa Garoua, Extrême-Nord and Nord as well as from Coopérative de Missingléo Maroua Tappi Nafi, Extrême-Nord took part in a training workshop on mine and quarry management laws and regulations in Cameroon's legal framework. 80 of the miners were female while 53 were male. This training workshops, that took place on 08 January 2018 and from 15-18 February 2018, equipped the miners with in-depth information on the 2016 Minerals Code. This revised Minerals Code that was promulgated in 2017 now covers specific issues in the Development Minerals sector.

Guinea – Workshop to review and validate the Baseline Assessment Report on Development Minerals in Guinea

Eighty key stakeholders from the public, private, business development and social sectors in Guinea came together to review, validate and endorse the first-ever *Baseline Assessment of the Development Minerals sector in Guinea*. This workshop that took place on 14 February in Conakry provided an excellent opportunity for cross-sectoral and cross-country dialogue on the Development Minerals sector that enriched the finalization of the report.

The *Baseline Assessment of the Development Minerals sector in Guinea* will soon be publicly available on the Programme's website.

<http://www.developmentminerals.org/index.php/fr/ressources/etudes>

2017

Zambia – Training of Trainers (ToT) Workshop on Mine & Quarry Management; Environment, Health and Safety; Human, Labour Rights and Community Relations

A Training of Trainers Workshop on Mine & Quarry Management; Environment, Health and Safety; Human, Labour Rights and Community Relations was held from 29 March – 01 April 2017 in Livingstone. A total of 56 participants drawn from the Programme's key stakeholders were trained as trainers, equipping them with skills and knowledge to roll-out the training to artisanal and small-scale miners at the grassroots level.

Field excursions were undertaken to a Road Development Agency (RDA) quarry which is operated by a private company. The quarry operation visited includes a pit and processing facility where basalt extracted from the quarry is crushed to several sizes for use in the construction and infrastructure sectors. The quarry supplies materials for the bridge construction at Kazungula Bridge linking Zambia and Botswana. An additional site visit to the Kazungula Bridge was undertaken so that the trainees could gain insights into the demand-side spurring the supply of minerals products from the quarry. Participation at the workshop also included a third site visit to an informal artisanal and small-scale quarry within Livingstone which hosts approximately 800 ASM miners including women.





Field visits during the Zambia Training workshop on Mine and Quarry Management; Environment, Health and Safety; Human, Labour Rights and Community Relations held in Livingstone, Zambia from 29 March-01 April, 2017.

Jamaica – Training Workshop on Quarry Management of Development Minerals.

Ninety-eight (98) quarry operators have undergone a Training of Trainers (ToT) Workshop on Quarry Management in two training workshops.

The first was a day-long Quarry Management workshop that took place in St. Catherine on 7 March 2017. 56 quarry operators took part in this training aimed at improving quarry standards in line with the provisions of the *2016 Quarry Act*. In the second training, 42 Quarry Operators took part in a *Training of Trainers (ToT) Workshop on Blasting Techniques in Mining and Quarry Management* from 31 October – 3 November 2017 in Kingston.

Fiji – Certificate Programme in Geology, Mining and Quarrying

The ACP-EU Development Minerals Programme in Fiji in partnership with the Fiji National University (FNU) launched the first-ever Certificate Programme in Geology, Mining and Quarrying on 01 November 2017. This is a major milestone as there is a shortage of skilled individuals for this sector, and having more qualified nationals is envisaged to enable a more sustainable and efficient sector. In 2017, the project was able to develop the curriculum for this course and launch it. This was followed up by the purchase of equipment and resources for the course to enable the smooth running of the course for its first intake cohort of students. The course is a certificate 4 level and has one third and two third practical components. The Certificate Programme comprises of 28 Units over a year at 6 units per quarter, with a 60/40 Practical and theory demarcation. It targets those in the mining and quarrying industry and year12/13 students.

Jamaica – Certificate Course on Mining, Quarrying and Restoration in the Development Minerals sector, University of Technology

Mr. Laurence Neufville, training alumni of the Curricula Sprint on Environment, Community, Health and Safety (2017) developed a Return-to-Work Plan to start a new Certificate Course on Mining, Quarrying and Restoration at the University of Technology (UTECH), Jamaica, using the Programme's modules as the foundation of the curricula. The first cohort of twenty (20) graduates completed the Certificate on November 3, 2017. Due to the overwhelming

interest in the Certificate Course, Mr. Neufville is leading the development of a full four-year Bachelors programme of 8 Semesters to be rolled out in Semester 1 of 2019. Mr Neufville has also been engaged as a trainer for the Jamaican country-level training on blasting.

Cameroon - Training of Trainers (ToT) Workshop series on Mine & Quarry Management

A series of training in Cameroon on Environment, Community, Health and Safety; Enterprise Skills, Market Analysis and Value Chain Development; Basic Accounting and Business Planning; Mine and Quarry Management; were held in three locations – Bertoua, Ebebeda and Meyo-Nyaka. The training series consisted of eight 2- to 3-hour training sessions in each location, engaging a total of eighty-two (82) artisanal and small-scale miners between 19 October to 14 December 2017.

Thirty-two (32) artisanal and small-scale miners in Bertoua took part in the series of training workshops, 21 artisanal and small-scale miners in Ebebeda and 29 artisanal and small-scale miners in Meyo-Nyaka. The training supported a process of participatory formalization at each of the quarry sites.

2016

Fiji Workshop on Standard Operating Procedures (SOPs) for license issuance for the extraction of river or hard rock source.

Licensing for extraction of a river or hard rock has come under increased scrutiny in Fiji in the recent past, due to the increased demand for reconstruction and rehabilitation of infrastructure as well as the attendant environmental risks. The Country Working Group provided support to the Ministry of Lands and Natural Resources in the development of Standard Operating Procedures (SOPs) for license issuance for river and hard rock quarrying activities. A workshop to review, validate, adapt and disseminate the new SOPs was held on 13 October 2016 in Suva.

Mr Malakai Finau - Permanent Secretary in the Ministry of Lands and Mineral resources, officially opened the workshop, in which 24 officials from the Ministry's various departments were in attendance. Some of the key topics of discussion that informed the SOPs included: current licensing procedures; river bank boundary extraction and demarcation; river bed extraction and river course way changes; as well as extraction licenses and Health Impact Assessment (HIA) studies on river extraction. Subsequently, a sensitization and consultation session on the newly developed and adopted Standard Operating Procedures took place in the Northern Province for 11 quarry operators.



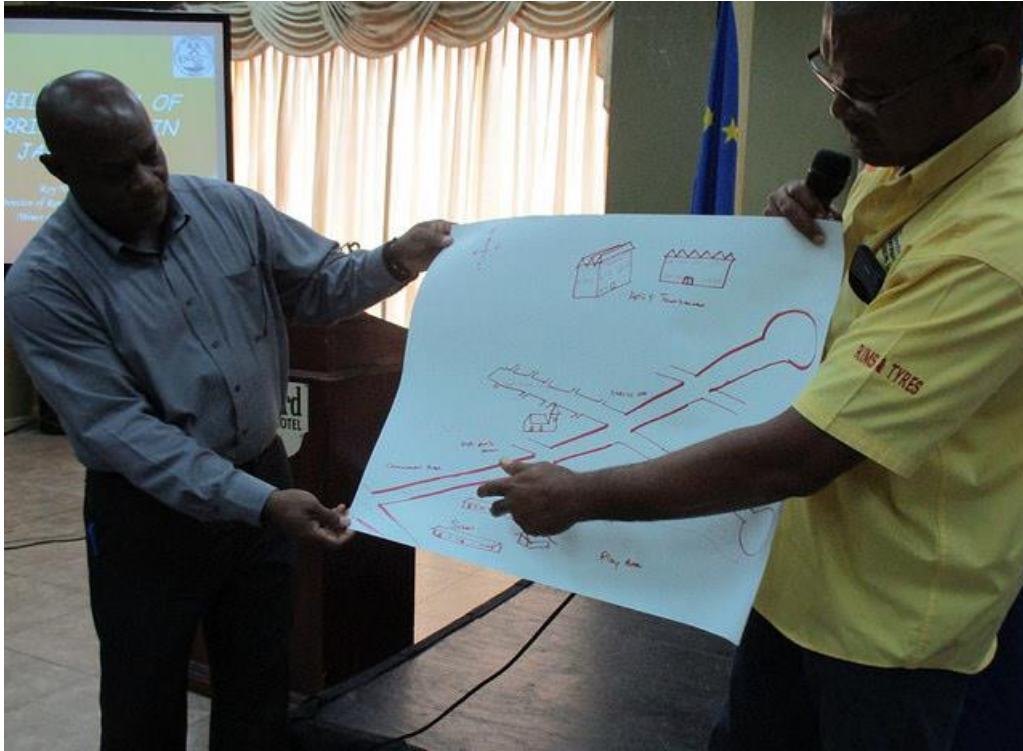
Various group discussions during the review, validation and adoption of the Standard Operating Procedures for license issuance for the extraction of river or hard rock source, Fiji, October 2016.

Jamaica Industry Sensitization Workshops on Environment, Quarry Management and the Jamaican Quarries Control Act

Three sensitisation/training seminars for quarry operators and key stakeholders such as local Parish Councils in Jamaica have been held in Kingston, Mandeville and Montego Bay with the participation of 24, 80 and 74 quarry operators respectively in the three regions in October, November and December 2016. Presentations were made by Mrs. Ruth Clarke, UNDP Jamaica on the ACP-EU Development Minerals Programme with an overview of current activities and planned activities for the period 2016 – 2018.

Mr. Clinton Thompson, Commissioner, Mines & Geology gave an overview on the changes in legislation for the Mining and Quarrying Sector along with Best Practices expected in the industry, going forward. Mr. Roy Nicholson made a presentation on rehabilitation in quarry operations and gave examples and methods of how restoration and rehabilitation could be achieved in quarrying. The participants were tasked with producing a rehabilitated and restored quarry, with sketch drawings of how this rehabilitated quarry would be implemented as part of group work during the sensitization. The group interactions were lively and persons got an opportunity to present the methodology of restoring the mined-out lands in their quarry zone.

The major outcome was the exposure of quarry operators to a methodology of better quarrying practices as well as discussion on the capacity building support to be provided by the ACP-EU Development Minerals Programme in the mining industry.



Quarry operators are demonstrating methodology for the restoration of mined-out quarries in Montego Bay, December 2016.



Below) Participants keenly following proceedings at the industry sensitization on the updated Quarry Law in Mandeville, November 2016

Output 2: Environmental, health, safety standards improved, and human and labor rights better protected in artisanal and small-scale mining through enhanced technical and legal knowledge of the small-scale private sector, associations/chambers and public institutions.

2019

Country-level training workshops on Output 2

No	Training/workshop event	Male	Female	Total
	Uganda	Male	Female	Total

1	Knowledge Products Validation related to Conflict, Health, Safety and Environmental in Development Minerals Sector: Impacts, toolkits and analyses, 28 March	25	9	34
TOTAL		25	9	34
Zambia		Male	Female	Total
2	ZAGEMA outreach in Lundazi	52	28	80
3	Small Grant programmes: Safety management training at Zimba Cooperative by ESMAZ	59	102	161
TOTAL		111	130	241
GRAND TOTAL		136	139	275

2018

Zambia – Training Workshop on Environment, occupational health and safety of Development Minerals

The Emeralds and Semi-precious stones Mining Association of Zambia (ESMAZ), applied for a small grant to carry out mine/quarry site training and awareness-raising on the environment, occupational health and safety of Development Minerals between 01-30 September 2018 in Kalulushi and Mufulira in Zambia.

Sixty-three artisanal and small-scale miners (35 female and 28 male), directly benefitted from the training. Additional mentoring and coaching support were provided to Lesa Wamaka co-operative whose actual membership is 103 miners (55 women and 48 men); and to the Zimba co-operative, in Mufulira, with total membership of 300 miners (200 women and 100 men).

Guinea – Training of Trainers (ToT) and Peer educators training Workshop on Environment, community, health and safety of Development Minerals

N'Zérékoré in Guinée Forestière and Kankan, in Haute-Guinée hosted one training workshop for 80 trainers and peer educators on the nuances of Environment, community, health and safety in the Development Minerals sector. The training workshops took place from 18-20 January 2018 (N'Zérékoré) and 22-24 January 2018 (Kankan), equipping the trained trainers and peer educators with the requisite skills, knowledge and learning methodologies to roll-out the training at mine and quarry sites in the 8 pilot zones.

These trained trainers and peer educators subsequently carried out mine and quarry site trainings using specifically designed communication for development (C4D) materials to 6,077 artisanal and small-scale miners in 2018 (3073 male; 3004 female). The roll-out of the trainings took place in Coyah, Boffa, Labé, Koundara, Kankan, Faranah, Kissidougou and N'Zérékoré regions.

Cameroon – Training of Trainers (ToT) Workshop on Environment, community, health and safety of Development Minerals

Three training workshops on Environment, community, health and safety of Development Minerals took place on 11 January 2018 (Coopératives Foubot, Ouest); 30 January 2018 (Coopérative de Missingléo Maroua Tappi Nafi, Extrême-Nord); and 22-25 May 2018 (Mora, Boula IBI, Pitoa Garoua, Extrême-Nord et Nord).

A total of 140 artisanal and small-scale miners (60% female; 40% male) took part in these training workshops to enhance their environmental and social practices in their mining and quarrying sites. These trained trainers thereafter commenced an awareness-raising and sensitization campaign to the rest of the miners in their respective cooperatives.

Fiji – Training of Trainers (ToT) Workshop on Occupational health and safety in quarries

Suva, Fiji played host to the Training of Trainers (ToT) Workshop on Occupational health and safety in quarries, that took place from 14-15 March 2018, bringing together 27 key stakeholders in Fiji's quarry sector. The outcome of the workshop was the development of guiding principles on occupational health and safety in quarries that all stakeholders took ownership of, to ensure the quarry sector progresses in a transparent, equitable and timely manner for the benefit of all Fijians.

In-depth discussion topics ranged from legislation and regulatory requirements for the quarry sector, need for additional capacity building through the 1-year certificate programme to be offered by the Fiji National University.

Three field visits to Winstone Quarry, Mau Quarry and Peter Chen Quarry operations on the Navua River were undertaken to facilitate the first-hand experience by the training participants, which greatly enriched the discussions at the workshop.

2017

Fiji – Training Workshop on *Environmental Impact Assessment (EIA) Scoping and Licensing Processes*

Supporting improved quarry management has been a key feature of the ACP-EU Development Minerals Programme in Fiji, in line with the newly promulgated Mines and Quarry Act of 2017. In this regard, the Programme hosted three (3) training workshops geared at supporting improved quarry management.

Thirty-three (33) participants drawn from the environmental assessment sector, quarry operators as well as the public sector participated in a 2-day workshop on *Environmental Impact Assessment (EIA) Scoping* from 24 – 25 May 2017 in Suva. The workshop participants also discussed the *Standard Operating Procedures (SOP) Licensing Procedures*.

Furthermore, a day-long workshop on Environmental Impact Assessment (EIA), Licensing Processes, and the newly promulgated Mines and Quarries Act 2017 was undertaken in Labasa, Northern division. 18 participants comprised of quarry operators, resource owners and quarry licensing agents took part in this workshop on 25 July 2017.

Similarly, Savusavu in the Northern District played host to a 1-day workshop on *Environmental Impact Assessment (EIA), Licensing processes*, and the newly promulgated Act of Mines and Quarries on 26 July 2017. This training brought together 14 participants who are quarry operators, resource owners and quarry licensing agents.

Uganda – Training of Trainers (ToT) Workshops on Environment, Community, Health and Safety of Development Minerals.

Four (4) Training of Trainers Workshops on Environment, Community, Health and Safety of Development Minerals were held in Uganda with a total of 161 beneficiaries participating in the training. The first country-level workshop took place from 09 – 13 April 2017 in Entebbe. A total of 33 participants drawn from the public, private, business development and social stakeholders participated in this training workshop. Forty (40) key stakeholders took part in the second workshop that took place in Mbale from 15 – 19 May 2017. The third workshop brought together 44 participants and was held in Gulu, from 12 – 16 June 2017. The fourth workshop took place in Fort Portal from 26 – 30 June 2017 with 44 beneficiaries participating.





Images from various field visits during the Training of Trainers (ToT) Workshops on Environment, Community, Health and Safety of Development Minerals in Uganda held on various dates between April – June 2017

Jamaica – Training of Trainers (ToT) Workshop on Environment, Community, Health and Safety of Development Minerals.

In the period under review, the ACP-EU Development Minerals Programme in Jamaica carried out three Training of Trainers (ToT) Workshops on Environment, Community, Health and Safety of Development Minerals, targeting 75 key stakeholders.

Kingston played host to the first Training of Trainers (ToT) Workshop on Environment, Community, Health and Safety of Development Minerals from 19 – 20 April, 2017; and 27 – 28 April 2017. Nineteen (19) quarry operators, public and business development stakeholders, took part in this four-day training. Similarly, 30 quarry operators, public and business development stakeholders took part in a second four-day Training of Trainers (ToT) Workshop on Environment, Community, Health and Safety of Development Minerals. This training workshop was held from 19 – 20 July, 2017; and 25 - 26 July 2017 in Montego Bay. The third Training of Trainers (ToT) workshop titled, A Quarry Operators Workshop on Environment, Community, Health and Safety of Development Minerals, took place on 19 December 2017, in Kingston. Twenty-six (26) quarry owners and operators were in attendance at this training delivered by trained trainers.

Guinea - Training of Trainers (ToT) Workshop on Environment, Community, Health and Safety of Development Minerals.

Two (2) ToT workshops on Environment, Community, Health and Safety of Development Minerals were held simultaneously in Labe and Kindia, with a total of eighty (80) participants from the public, private, business development and social sectors. The first training workshop was a 3-day workshop that took place from 20 – 22 December 2017 at Labe. This ToT brought together 40 participants. The second ToT workshop took place over three days from 20 – 22 December 2017 at Kindia, bringing together 40 participants.

Zambia Training Workshop on Mine & Quarry Management; Environment, Health and Safety; Human and Labour Rights; and Community Relations

Two Training of Trainers (ToT) Workshops on mine and quarry management, environment, occupational health and safety and community health, labor and human rights took place in Zambia in October. Kitwe and Lusaka played host to these training workshops. In total, 73 persons drawn from small scale mine operators, local government officials, representatives from the Ministry of Mines and Minerals Development, community leaders and civil society organizations took part in these two country-level trainings. As a result of the training in technical areas of mine and quarry management, environment, and occupation and community health and safety, miners have enhanced their knowledge on best practice techniques, with a number of them laying out plans to implement the techniques learnt through the return to work plans. In the plans, the TOT trainees will roll out the training to their respective communities.

Eight local government officials benefited from the training and knowledge sharing sessions. This is significant since it is the councils (local government) that have close interaction with development minerals due to the fact that a lot of informal and formal extraction activities of development minerals takes place in urban and peri-urban areas under the respective council jurisdictions. However, the local government officials have previously had very few opportunities to be trained on the required mining and quarrying regulations to enable them to carry out their mandate.



Field visit to stone crushing and selling site during the ToT in Kitwe, Zambia

Cameroon Training of Trainers Workshops on Environment, Community, Health and Safety

To further concretize the draft roadmap in Cameroon, a country-level training on Environment, Community, Health and Safety in the Development Minerals sector was held in Douala from

14 - 17 November 2016, bringing together 40 participants from the public, private, civil society and business development sectors. This was immediately followed by a 2-day Trainer of Trainers (ToT) workshop, where 24 trainers underwent further training on how to deliver the curriculum all over the country.

A second Trainers (ToT) workshop for the Anglophone region in Cameroon took place in Limbe from 13 – 16 December 2016 bringing together 33 key stakeholders, charged with carrying out subsequent ToTs in this region.



Cameroon's Country Coordinator being interviewed by prominent local media during the country-level training on Environment, Community, Health and Safety in the Development Minerals sector held in Douala from 14 - 17 November 2016

Guinea Training of Trainers Workshop on Environment, Community, Health and Safety

Following on the very successful national consultative workshop, a Training of Trainers (ToT) workshop on Environment, Community, Health and Safety in the Development Minerals sector (sand, granite, clay, limestone, shale, corundum and salt) was carried out by the ACP-EU Development Minerals Programme from 21-24 November in Kindia, Guinea.

This training workshop focused on raising awareness on the Environment, Community, Health and safety challenges beleaguering the sector; enhancing knowledge sharing and good practices among the participants and strengthening the latter's management capacities. The ToT training brought together 50 participants drawn from the programme's key stakeholder groups, who further drew up plans for replication of the training to all regions of the country.



Group photo during the Guinea's country-level training on Environment, Community, Health and Safety in the Development Minerals sector held in Kindia, 21-24 November 2016;



Field visit during the country-level training in Kindia, Guinea.

Output 3: Productivity, access to markets and working capital of the small-scale private sector in mining increased through enhanced entrepreneurial skills.

2019

Country-level training workshops on Output 3

No	Training/workshop event	Male	Female	Total
Guinea		Male	Female	Total
1	Training workshop in technical and financial planning of projects/business plans in Faranah prefecture, 25-26 March	17	3	20
2	Training workshop in technical and financial planning of projects/business plans in Kissidougou prefecture, 27-28 March	13	8	21
3	Training workshop in technical and financial planning of projects/business plans in N'Zérékoré prefecture, 30-31 March	18	3	21
4	Training workshop in technical and financial planning of projects/business plans in Kankan prefecture, 2-3 April	17	1	18
5	Training workshop in technical and financial planning of projects/business plans in Labé prefecture, 5-6 April	24	3	27
6	Training workshop in technical and financial planning of projects/business plans in Koundara prefecture, 8-9 April	18	1	19
7	Training workshop in technical and financial planning of projects/business plans in Coyah prefecture, 20-21 April	17	10	27
8	Training workshop in technical and financial planning of projects/business plans in Boffa prefecture, 27-28 April	23	2	25
9	Consultative Meeting between FINADEV and 10 Cooperatives of ASMEs in the Development Minerals sector, 4 October, Conakry	17	1	18
10	Consultative Meeting between 3 Microfinance Institutions (FINADEV, CRG, WAKILI), 1 Bank (Afriland First Bank) and Cooperatives of ASMEs of Development Minerals, 29-30 October, Kindia	76	11	87
TOTAL		240	43	283
Uganda		Male	Female	Total
11	Training workshop on Enterprise skills, Market analysis, Investment promotion and Value addition in the Development Minerals Sector, 25-29 November	14	15	29
TOTAL		14	15	29
GRAND TOTAL		254	58	312

2018

Uganda – Training of Trainers (ToT) Workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals

A total of 94 artisanal and small-scale miners operating in the Development Minerals sector took part in 2 training workshops in Mukono (31 January-01 February 2018) and Entebbe (05-06 February 2018) in Uganda, on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals. The outcome of these two training workshops was the development of business plans and the compilation of other requisite bankable proposals to facilitate access to finance.

Jamaica – Training of Trainers (ToT) Workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals

In the period under review, the Programme rolled-out a series of 5-day ToT workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development

Minerals in Jamaica. A total of 83 participants drawn from the quarry sector and business development stakeholders took part in the trainings.

Fifteen participants attended a Training of Trainers (ToT) Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals in Kingston. The 5-day event took place from 17-19 April and 24-25 April 2018 and brought together the small-scale quarry sector as well as business development stakeholders providing sector-specific support.

Concurrently, a 5-day ToT Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals took place in Mandeville from 17-19 April and 24-25 April 2018. 20 participants were engaged in the ToT workshop, drawn mainly from the small-scale quarry sector as well as business development stakeholders.

Ocho Rios played host to the third Training of Trainers (ToT) Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals from 01-03 May and 09-10 May 2018. 24 quarry operators and business development stakeholders took part in the training.

The fourth Training of Trainers (ToT) Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals was held in Montego Bay from 15-17 May and 29-30 May 2018, bringing together 24 small-scale quarry operators as well as business development stakeholders.

The outcome of these four training workshops was the development of business plans and the compilation of other requisite bankable proposals to facilitate access to finance.

Guinea – Training of Trainers (ToT) and Peer educators training Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals

A total of 80 trainers and peer educators took part in two training workshops on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals. The first workshop was held in N'Zérékoré from 18-20 January 2018, while the second took place in Kankan from 22-24 January 2018.

Adequately equipped with the requisite skills, knowledge and adult learning methodologies in the thematic focus, the trained trainers rolled-out the training at mine and quarry sites in the 8 pilot zones, in July 2018. 6,077 artisanal and small-scale miners of Development Minerals benefitted from this mine and quarry site capacity-building intervention.

Two workshops to consolidate the development of business plans and other related bankable proposals were held in Kindia, from 08-10 May 2018 for the Basse-Guinée and Moyenne-Guinée regions; and from 11-13 May 2018 for Haute-Guinée and Guinée Forestière regions. A total of 168 artisanal and small-scale miners (ASM) representing 153 newly formed ASM cooperatives took part in the consolidation workshops that resulted in the formulation of business plans to ease the cooperatives' access to finance.

Fiji – Training of Trainers (ToT) Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals

27 resource owners from Labasa, Northern division took part in a training of trainers' workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals from 12-16 February 2018. As a result of the training workshop, the resource owners charted a roadmap for starting up their own mining business in hard-rock and river gravel extraction. Furthermore, the training workshops provided the trainees with useful skills to carry out negotiations for fair share benefits with current operators on their resource sales.

Experts from the National Centre for Small and Micro Enterprise Development (NCSMED), who carried out the training, are supporting the resource owners to access small grants for the Northern Division (up to FJ10k); and linking them to the Native Land Trust Board that is also assisting landowners with a FJ\$20k grant in the Government's "Look North Assistance Policy". This is to enable assistance in entrepreneurship business ventures in rural areas.

Cameroon – Training Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals

Four training workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals were held in Cameroon during the year, building the capacity of 58 artisanal and small-scale miners. Eighteen ASM office-bearers from Coopérative Marom and Coopérative Baham from Ouest Cameroon benefitted from basic accounting and bookkeeping skills, resulting in improved business development skills.

Similarly, 40 ASM from Coopérative Baham, Ouest-Cameroon and Coopérative de Missingléo Maroua Tappi Nafi, in Extrême-Nord region took part in a training workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition of Development Minerals, that resulted in the development of Entrepreneurship and Value Chain Development Plans by the two cooperatives.

2017

Zambia – Training of Trainers (ToT) Workshops on Business and Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition

In the period under review, the Programme rolled out a series of 6-day ToT workshops on *Business and Enterprise Skills, Market Analysis and Investment Promotion in Development the Minerals Sector* in Zambia. A total of 112 participants drawn from the small-scale private sector and business development stakeholders took part in the trainings.

Forty-one (41) participants attended a *Training of Trainers (ToT) Workshop on Business and Enterprise Skills, Market Analysis and Investment Promotion in Development the Minerals Sector* in Kitwe. The 6-day event took place from 21 – 26 August 2017 and brought together the small-scale private sector as well as business development stakeholders providing sector-specific support.

Similarly, a 6-day *Training of Trainers (ToT) Workshop on Business and Enterprise Skills, Market Analysis and Investment Promotion in Development the Minerals Sector* in Chipata from 18 – 23 September 2017. 37 participants were engaged in the ToT workshop, drawn mainly from the small-scale private sector as well as business development stakeholders.

Siavonga played host to a *Training of Trainers (ToT) Workshop on Business and Enterprise Skills, Market Analysis and Investment Promotion in Development the Minerals Sector* from 25 – 30 September 2017. 34 small-scale operators and business development stakeholders took part in the training.

Uganda – Training of Trainers (ToT) Workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition

In the period under review, 143 small scale operators and business development stakeholders took part in a series of four (4) training of trainers (ToT) workshops on *Enterprise skills, market analysis, investment promotion and value-addition* that were mineral specific. The first country-level Training of Trainers (ToT) workshop focused on clay and industrial minerals, specifically: limestone, pozzolana, bentonite, kaolin, ceramics, bricks, vermiculite. This ToT workshop took place from 06 – 10 November 2017 in Entebbe. 36 participants were engaged in the ToT workshop, drawn mainly from the small-scale private sector as well as business development stakeholders.

The second country-level Training of Trainers (ToT) Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals focused on stone aggregates and gravel and took place in Mukono from 20 – 24 November 2017. Similarly, this training workshop brought together 35 participants from the small-scale private sector as well as business development stakeholders.

The third country-level Training of Trainers (ToT) Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals dealt with dimension stones such as marble and slate and was carried out from 27 November – 01 December 2017 in Mukono for 39 targeted stakeholders in the small-scale private sector and business development.

The fourth country-level Training of Trainers (ToT) Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals focused on the sand and took place from 04 – 08 December 2017 in Mukono for 33 small-scale operators of Development Minerals as well as business development stakeholders.

Guinea – Training of Trainers (ToT) Workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition.

A total of eighty (80) participants took part in two training of trainers' workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-Addition. The first 3-day *Training of Trainers (ToT) Workshop on Enterprise Skills* was held in Labe from 24 – 26 December 2017, bringing together 40 key Programme stakeholders. A simultaneous 3-day *Training of Trainers*

(ToT) *Workshop on Enterprise Skills* was held in Kindia from 24 – 26 December 2017, bringing together 40 key Programme stakeholders.

Fiji – Training of Trainers (ToT) workshops on Enterprise skills, market analysis, investment promotion and value-addition.

A 5-day country-level Training of Trainers (ToT) Workshop on Enterprise skills, Market Analysis, Investment Promotion and Value Addition of Development Minerals was held from 18 – 22 December 2017 in Suva. 31 participants were engaged in the ToT workshop, drawn mainly from the small-scale private sector as well as business development stakeholders.

Output 4: Value chains in mining strengthened through networking and improved capacity of associations/chambers and public institutions to conduct market analysis and investment promotion.

2019

All the country-level workshops described in Output 3, had components on value-addition and improved capacity of associations/chambers and public institutions to conduct market analysis and investment promotion.

2018

Zambia – Cobblestone Manufacturing and Paving Technology Training

Following-on the successful training partnership between the ACP-EU Development Minerals Programme, Ministry of Mines and Minerals Development and the National Council for Construction (NCC) in 2017, a specially designed Cobblestone Training Course was launched at the Technical Education, Vocational and Entrepreneurship Training Authority (TEVETA) in Lusaka, Zambia on 14 February 2018 with a cohort of 30 gender-balanced trainees.

A second training workshop on Cobblestone Paving Technology was held from 20-31 August 2018 in Lusaka, Zambia that saw 26 trainees engaged in this course, equipping them with practical skills on cobblestone paving and laying.

To ensure further grass-roots training on cobblestone paving and laying, Umodzi Arts Cooperative held the training of trainers (ToT) workshop using the small grant provided by the programme in Zambia. This training, that took place in September 2018, in Kabanana, benefitted 70 participants who acquired new skills in paving township roads.

Several important outcomes have been achieved from implementing the training on cobblestone paving and laying in Zambia. They include the following:

- Georgina Chama, an alumnus, applied for and obtained funding from the TEVETA fund to train additional 30 youth and women in cobblestone paving technology.
- A group of female alumni trained by the programme and led by Ms. Thelma Nkowan, paved a demonstration site of 2 kilometres of pedestrian walkway in central Kitwe. As part of the implementation of her Return-to-Work project, she trained an additional 44 women; 12 of whom got employed at the Kitwe City Council.

- Resulting from the engagements at the ASM18, the Association of Zambian Women in Mining were invited to meet H.E President Edgar Lungu to discuss the specific needs of the women in the sector. The outcome of the meeting was the development of a programme for funding and linking the women in Cobblestone paving to contractors by the Citizen Economic Empowerment Commission and the Roads Development Agency.
- The programme in Zambia has also partnered with an international development NGO (PACT) to assist the trainees from Cobblestone training to formalise and access business opportunities.

Zambia – Training workshop on value-addition of semi-precious stones

The Zambian Gemstone Mines, Traders and Jewelers Marketing Association (ZAGEMA) carried out a 2-week hands-on training for 20 youth on value-addition of semi-precious stones from 14-30 August 2018 in Lundazi. These trained youth have now joined the gemstone cutters in ZAGEMA, who process and add value to semi-precious stones in Lundazi district, increasing production capacity for local and international markets. The youth have also enhanced their incomes from their new jobs.

Fiji – Training workshop on Standards, specifications and quality of construction materials

Forty key stakeholders in Fiji's construction sub-sector took part in the training workshop co-hosted with the Fiji Roads Authority over 23-26 July 2018. The workshop enhanced the technical knowledge within public sector agencies, the private sector, regional organizations and quarry associations of Fiji in the management and supply of construction materials. Key discussions during this workshop included: standards and specifications for construction materials with a focus on the short-term and mid-term shortages of materials currently faced in Fiji (construction aggregates for roads and cement); operating standards, technologies, techniques and practices for improved quarry management; the licensing process and knowledge exchange between the private sector and the authorities with the support of the technical stakeholders; as well as business to business knowledge exchange on quarry management best-practices to improve the performance of the sector and contribute toward inclusive and sustainable development.

For the hands-on application of the training workshop discussions, a field visit was organized to a construction site in the Sigatoka Valley as well as a quarry site for construction materials on the Sigatoka Valley.

Cameroon – Training of Trainers (ToT) workshop on value-addition of construction materials

Maroua, Cameroon was the venue of the training of trainers' workshop on value-addition of construction materials over 05-15 February 2018. This very practical hands-on workshop that brought together 40 trainees was co-hosted with the University of Dschang and aimed at enhancing the skills and knowledge of the trainees on the production of eco-construction

materials (bricks). At the end of the training workshop, the 40 trained trainers and peer educators acquired theoretical and practical knowledge on improved techniques for the production of compressed earth bricks (BTC) and eco-materials for eco-construction.

A field visit to one building constructed out of the compressed earth bricks (BTC) in the village of Bogo was undertaken. This field visit helped the trainees concretize the new knowledge and skills learnt. To test their knowledge acquisition, at the end of the training workshop, the 40 trainees constructed the exterior of a new building using the compressed earth bricks technology at the University of Dschang's Antenna in Maroua.

2017

Zambia – Cobblestone Manufacturing and Paving Technology Training

The ACP-EU Development Minerals Programme, Ministry of Mines and Minerals Development and the National Council for Construction (NCC) collaborated in carrying out a hands-on training on *Cobblestone Manufacturing and Paving Technology in Development Minerals* that took place in Lusaka from 11 September to 06 October 2017. 43 training participants were engaged in this month-long course that equipped them with practical skills on cobblestone paving and laying.

The training was officially opened by the Permanent Secretary for the Ministry of Mines and Mineral Development, Mr. Paul Chanda who thanked the two partners for implementing the objectives of Zambia's 7th National Development Plan through enhancing value-addition and enterprise skills of small-scale miners to support self-employment and the creation of other subsidiary jobs. Other guest speakers included the Director, Geological Survey Department Ministry of Mines and Mineral Development, Mr. Chipilauka Mukofu; the Executive Director at the National Council for Construction, Mr. Chance Kaonga as well as Ms. Rogan, UNDP Resident Representative of UNDP Zambia.





Hands-on training on Cobblestone Manufacturing and Paving Technology in Development Minerals that took place in Lusaka from 11 September to 06 October 2017.

Jamaica – Training on Pottery and Ceramics Technology

9 artisans and potters from Jamaica attended a 4-week training workshop on *Pottery and Ceramics Technology* at the African Minerals and Geosciences Centre (AMGC) in Dar-es-Salaam, Tanzania from 28 March – 21 April 2017. The training provided hands-on experience on pottery formation, decoration and production of ceramics ready for the market. It equipped the artisans with knowledge and skills concerning raw materials identification and parameters to be used for the selection of the best clay materials using chemical analysis to determine firing temperature and glaze formulation. The training also improved the artisans' ability to identify other Development Minerals and their use in ceramics and use ceramic technology.

In this clear case of South-to-South cooperation, the training resulted in significant knowledge exchange between the two ACP regions that culminated in: a mapping exercise by the Mines & Geology Department of Jamaica to determine suitable clay to use for the ceramics and pottery as a form of import substitution (as the clay was previously imported for this purpose); and the knowledge gained from one study tour participant has been incorporated into the curricula at a Technical college in Jamaica. The Mines & Geology Department of Jamaica revised their work plan to include mapping and characterization of clays to supply domestic clay to the artisans. This is one of the outcomes of the training at the AMGC.



Nine artisans and potters from Jamaica who attended a 4-week training workshop on Pottery and Ceramics Technology at the African Minerals and Geosciences Centre (AMGC) in Dar-es-Salaam, Tanzania from 28 March – 21 April 2017.

Jamaica – Learning Study Tour to Dar-es-Salaam, Tanzania

Six (6) sector professionals working in the Development Minerals sector undertook a *Learning Study Tour* to Dar-es-Salaam, Tanzania from 28 March 2017 to 5 April 2017. The *Study Tour* aimed at enhancing the knowledge of the participants on sustainable capacity building models in relation to institutional support; as well as learn about organization strategies used by internationally competitive industries for jewellery, clay products and semi-precious stones. Additionally, the *Study Tour* enabled the 6 participants to learn how design and production companies function within the cultural products industries. The participants also gained an increased technical understanding of the use of local materials to make high-quality products.

2016

Jamaica Media Launch of the ACP-EU Development Minerals Programme

The media launch for the ACP-EU Development Minerals programme was held in Kingston, Jamaica on October 19, 2016. The launch which gathered 61 participants, from the programme's key stakeholder groups, was an opportunity for discussions with the artisans and quarry operators present at the event and the exhibitors from a wide array of Development Minerals. The keynote address at the launch was made by Dr. Alwin Hales, Permanent Secretary Ministry of Transport and Mining, while other opening remarks were made by Mr. Achim Schaffert - Head of Operations, Delegation of the European Union to Jamaica, Belize, The Bahamas, Turks and Caicos Islands and Cayman Islands; Mr. Bruno Pouezat, United Nations Resident Coordinator/ UNDP Resident Representative, Jamaica and Mr. Clinton Thompson, Commissioner, Mines & Geology Division. The ceremony's key recommendations highlighted the job creation and local economic development potential of Development Minerals in Jamaica.



Artisans and small scale operators are exhibiting their products during the ACP-EU Development Minerals programme launch in Kingston, Jamaica, 19 October 2016.

Read more: [Capacity Development of Institutions and small scale private operators in mineral production in ACP countries](#) and [Watch more](#).

Output 5: Access to geo-data in mining improved through enhanced technical knowledge, capacity and coordination among public institutions.

2019

Jamaica – Geo-data validation workshop

Forty geo-specialists came together in Kingston, Jamaica on 16 January to validate new geo-data on Development Minerals in Jamaica, that had been digitized and mapped as a result of the country-level training and subsequent disbursement of small-grants.

2018

Zambia – Sub-regional training workshop for national geological surveys on artisanal and small-scale mining (ASM) geo-data.

Sixty representatives of national geological surveys from Botswana, Namibia, South Africa, Zambia and Zimbabwe gathered in Lusaka, Zambia from 19-22 March 2018 for a sub-regional training workshop on geological data for artisanal and small-scale mining (ASM).

This training workshop on Artisanal and Small-Scale Mining, supported by the ACP-EU Development Minerals Programme in Zambia was co-hosted with the Ministry of Mines and Minerals Development with support from PanAfGeo, a joint project under implementation by Euro-Geo Surveys and the Organisation of African Geological Surveys (OAGS). The outcome of the sub-regional training workshop was the development of a Handbook on Artisanal and Small-Scale Mining (ASM) in Zambia, integrating sections on Development Minerals.

Country-level Training Workshops on Geo-data Digitization and Mapping of Development Minerals

In the period under review, three country-level training workshops on geo-data digitization and mapping of Development Minerals took place in Cameroon, Guinea and Fiji.

The **Cameroon** country-level training workshop on Geo-data Digitization and Mapping of Development Minerals was held from 15 to 26 January 2018, in Dschang, Cameroon. The training was carried out under a partnership between the ACP-EU Development Minerals Programme and the African Minerals and Geosciences Centre (AMGC), a regional Center of Excellence. This 12-day hands-on training was undertaken at the University of Dschang's Environmental Geomatics Laboratory. The laboratory provided computers equipped with ArcGIS and QGIS software for all participants.

The workshop equipped the thirty-two geoscientists from the public, private and business development sectors who took part, with skills and knowledge to support the development of a Geo-data inventory of Development Minerals in-country. Two site visits were undertaken as part of the training to Nkounja and CIAC Pozzolana quarries in Foubot, and a Granite quarry at Baham, in Western Cameroon. The site visits accorded the training participants an opportunity to do actual data collection on mineral deposits and thereafter digitize that data and provide reserve estimates of the minerals. Subsequently, one group Return-to-Work project was formulated aimed at developing a geo-data map and inventory on Development Minerals in Cameroon.

Guinea's country-level training on Geo-data Digitization and Mapping of Development Minerals was held at the Kofi Annan University in Conakry over 06-17 February 2018. Thirty-six participants from the public, private and business development sectors took part in this hands-on training. Kofi Annan University provided the geo-informatics laboratory as well as computers equipped with ArcGIS and QGIS software for all participants, while the training was carried out by the African Minerals and Geosciences Centre under a partnership agreement

with the ACP-EU Development Minerals Programme. As part of the training workshop, two field visits were undertaken to Sakharia riverbed sand mine and Mania granite artisanal quarry in Coyah, for actual data collection and digitization. At the end of the training workshop, 4 groups Return-to-Work project were developed. 32 pilot sites were identified in the country, 8 per region for the undertaking of geological reconnaissance of Development Minerals (location, nature of the deposit, host rock, etc.); the mapping of Development Minerals in all target sites; and the estimation of resource/reserves of Development Minerals in each of the 32 pilot sites.

The **Fiji** country-level training workshop on Geo-data Digitization and Mapping of Development Minerals was held from 23 April to 03 May 2018 in Suva. The Pacific Community (SPC) building was the venue for this 12-day hands-on training attended by 13 geoscientists from the public, private and business development sectors. This country-level training was hosted jointly with the Pacific regional training described earlier in this report. The joint regional and country-level training in the Pacific region resulted in very enriched in-depth discussions among participants from all the 6 Pacific nations participating in the ACP-EU Development Minerals Programme.

Country-level Validation Workshops on Geo-data Digitization and Mapping of Development Minerals

Five geo-data validation workshops took place in the period under review, following the successful implementation of Return-to-Work projects developed after country-level training workshops on geo-data digitization and mapping of Development Minerals.

Cameroon hosted two (2) geo-data validation workshops that brought together 37 geoscientists, from the public, private and business development sectors. The first workshop took place from 20-21 September 2018 in Yaoundé, while the second took place from 06-07 December 2018 in Mbalmayo. The geo-data that had been collected has now been digitized and inventoried and is currently being integrated into the cadastre, to enable interested stakeholders including ASM to access the geo-data.

Conakry was the venue of **Guinea's** geo-data validation workshop that was held over 20-21 September 2018. 36 participants geo-specialists took part in the validation workshop, that reviewed and endorsed all the geo-data on Development Minerals collected from the 32 pilot sites. Similarly, this newly collected geo-data has been integrated in Guinea's mining cadaster, for easy access to key stakeholders.

Uganda's geo-data validation workshop was held over 29-30 November 2018 in Entebbe, bringing together 26 geoscientists to review, validate and endorse the newly collected and digitized geo-data on Development Minerals. This new geo-data on Development Minerals has been integrated into Uganda's online mining cadastre to enable easy access by all interested stakeholders, including artisanal and small-scale miners.

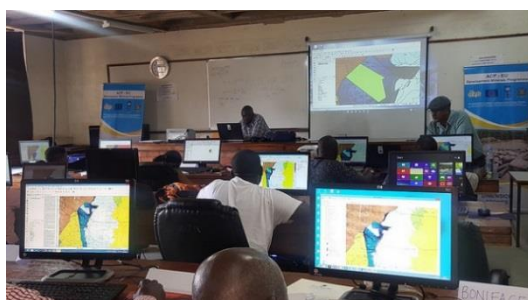
Lusaka hosted **Zambia's** geo-data validation workshop that took place over 10-11 December 2018. 22 geo-specialists from the public, private and business development sectors came together for the review and validation of the geo-data on Development Minerals that had been collected and digitized following the country-level training workshop. Zambia's online mining

cadastre now contains this new geo-data on Development Minerals, making access easier for interested stakeholders.

2017

Zambia – Country-level Training Workshop on Geo-data Digitization and Mapping of Development Minerals

The Zambia Country-level training workshop on *Geo-data Digitization and Mapping of Development Minerals* was held in Lusaka, from 20 November to 01 December 2017. The training was carried out under a partnership between the ACP-EU Development Minerals Programme and the African Minerals and Geosciences Centre (AMGC), a regional Center of Excellence. This 12-day hands-on training was undertaken at the University of Zambia's School of Mines. The geospatial information systems (GIS) laboratory provided the computers equipped with ArcGIS and QGIS software for all participants. The University provided the facility based on existing partnership arrangement with the Ministry of Mines and Minerals Development. This workshop equipped the twenty (20) geoscientists who took part, with skills and knowledge and support the development of a Geo-data inventory of Development Minerals in-country. Two site visits were undertaken as part of the training and accorded the training participants an opportunity to do actual data collection on mineral deposits and thereafter digitize that data and provide reserve estimates of the minerals. Subsequently, three (3) group Return-to-Work projects were developed aimed at developing geo-data inventories on Development Minerals in Zambia.



Zambia Country-level Training Workshop on Geo-data Digitization and Mapping of Development Minerals held in Lusaka, Zambia from 20 November to 01 December 2017.

Uganda – Country-level Training Workshop on Geo-data Digitization and Mapping of Development Minerals

A 12-day country-level *training workshop on Geo-data Digitization and Mapping of Development Minerals* was held from 04 – 15 December 2017 in Mukono. Nineteen (19) participants from the geological survey and geosciences institutions took part in this extremely hands-on training that involved a field visit of Mbalala stone quarry site located 30 km east of Kampala. The field visit included data collection on various construction materials. The Ugandan alumni of the African Focus Countries Regional Training Workshop on Geo-data Digitization and Mapping of Development Minerals participated in the training as mentors and led the combined Return to Work Planning process for both events.

Jamaica - Country-level Training Workshop on Geo-data Digitization and Mapping of Development Minerals

A 12-day country-level *training workshop on Geo-data Digitization and Mapping of Development Minerals* was held from 27 November – 08 December 2017 in Kingston. 21 participants from the geological survey and geosciences institutions took part in this extremely hands-on training at the University of West Indies, Mona Campus. The opening ceremony was moderated by Ms. Ruth Clarke, Coordinator, ACP-EU Development Minerals Programme in Jamaica. The keynote address was delivered by Dr. Oral Rainford, Principal Director of Minerals, who emphasized the need to look at Jamaica's mining sector diversification from two angles. The first angle is industry diversification from bauxite to Development Minerals while the second angle is product diversification in terms of value addition in order to reap maximum benefits from the minerals value-chain. Several other speakers made remarks including Ms. Simone Lloyd, Senior GIS Trainer/Manger, National Spatial Data Management Division, Mr. Clinton Thompson, Commissioner, Mines and Geology Division, Mr. Tony Morgan, President, Mining and Quarry Association of Jamaica, and Mr. Lacina Pakoun, ACP-EU Development Minerals Programme, based in Ethiopia.

For the practical geo-data collection, a field visit was organized to Brazilletto Quarry in Clarendon. The Brazilletto Mountains are located in south-central Jamaica and is underlain entirely by Tertiary limestone. Guided by the geological map prepared and the satellite images of the area, the field team checked the different geological materials of interest in the area recording the coordinates of the boundaries of the geological feature using the data loggers in the form of Mobile Apps, namely ArcGIS Collector for GIS data collection and GeoClino for measuring the Dip and Strike. The field groups then used the weekend to prepare their maps and cross-sections for presentation on Monday. Below are some photos from the field visit.



Images from the Jamaica Country-level Training Workshop on Geo-data Digitization and Mapping of Development Minerals held in Kingston, Jamaica from 27 November to 08 December 2017

Output 6: Risk of conflict between miners, mining enterprises and local communities reduced by building conflict prevention, dialogue and mediation skills of miners, associations/chambers, public institutions and communities

2019

In Uganda, thirty-four key stakeholders from the public, private, business development and social sectors came together on 28th March to validate a range of knowledge products. They included a toolkit titled: Conflict, health, safety and environment in the Development Minerals sector: Impacts, toolkits and analyses. This toolkit was thereafter used in a training of trainers workshop for government officials from 22-23 May. This training workshop on Conflict Management in the Development Minerals sector brought together 21 public sector officials with oversight over the Development Minerals sector.

2018

Conflict prevention, dialogue and mediation skills, as well as grievance handling mechanisms, are themes that were covered in the following 3 country-level trainings in **Jamaica**, that brought together a total of eighty (80) key stakeholders in the quarry sector as detailed below:

- The *Jamaica country-level training workshop on Conflict-sensitive Mining and Grievance handling*, held over 13-14 August 2018 in **Kingston**, Jamaica.
- The *Jamaica country-level training workshop on Conflict-sensitive Mining and Grievance handling*, held over 16-17 August 2018 in **Montego Bay**, Jamaica.

- The *Jamaica country-level training workshop on Conflict-sensitive Mining and Grievance handling*, held over 20-21 August 2018 in **Mandeville**, Jamaica.

Nadi, Fiji was the venue for **Fiji's** country-level workshop on Community grievances and disputes that took place from 28-30 August 2018, bringing together twenty-six resource owners, quarry operators, and community-based leadership. The workshop enhanced the participants' understanding of the grievances and disputes that may arise from the Development Minerals sector in Fiji, and mechanisms for grievance handling. At the end of the training workshop, a grievance handling mechanism was drafted and endorsed for implementation by the training participants.

2017

Conflict prevention, dialogue and mediation skills, as well as grievance handling mechanisms, are modules that were covered under the thematic focus area of community relations in the following regional and country-level trainings detailed above:

- The *Southern Africa Regional Training Workshop on Environment, Community, Health and Safety*, held from 03 – 06 April, 2017 in Maputo, Mozambique.
- The *Curricula Sprint on Environment, Community, Health and Safety* held in Maputo, Mozambique (07 - 09 April 2017).
- The *Zambian ToT Workshop on Mine & Quarry management; environment, health and safety; human, labour rights and community relations*, 29 March – 01 April 2017 in Livingstone.
- Four (4) *ToT Workshops on Environment, Community, Health and Safety of Development Minerals* in Entebbe, Mbale, Gulu and Fort Portal, Uganda.
- Two (2) *ToT Workshops on Environment, Community, Health and Safety of Development Minerals*, in Labe and Kindia, Guinea.
- Three (3) *Training of Trainers (ToT) Workshop series on Mine & Quarry Management in Bertoua, Ebebeba and Meyo-Nyaka, Cameroon*.

Capacity Building of National Parliaments

At the country level, the Programme has increasingly engaged National Parliaments, to raise their awareness and demonstrate the importance of Development Minerals in inclusive local and national development. This has equipped Natural Resources Committees in parliament to carry out their three core functions – representing their constituents' interests, legislating on the minerals sector, and overseeing the executive branch – all which are crucial to improving the governance and management of resources.

In the period under review, Fiji, Uganda and Cameroon directly engaged the national parliaments in the implementation of the Programme. The Programme in **Fiji** has worked with the Speaker of parliament to organize a half-day session on Development Minerals during the annual Fiji parliamentary retreat. Furthermore, field/site visits by parliamentarians to Development Minerals quarry sites have provided a broader understanding of key sector issues and strengthened the inter-institutional dialogues between parliament and the minerals resources department of the Ministry. Sensitization on the Development Minerals sector targeting Parliament's Minerals Committee has also been undertaken.

In the case of **Cameroon**, a weekly 1hr radio programme that discusses Development Minerals is run every Tuesday. This programme disseminates information on Development Minerals to the public while also offering an opportunity for call-ins for specific challenges. Furthermore, during the Parliamentary Ordinary sessions, it has been noted that ninety per cent (90%) of all the questions raised to the attention of the Minister relating to the Development Minerals sector. This is an indicator of the high levels of awareness of the importance of the sector by the parliamentarians.

Uganda has undertaken specific awareness-raising and training of Parliament's Natural Resources Committee. This has enhanced the knowledge of the sector by the committee, equipping them with the knowledge to pass legislation on the sector at the committee stage. Furthermore, radio programmes on the Development Minerals sector are run in Northern and Eastern Uganda as part of the implementation of the RWP of a media practitioner trained by the ACP-EU Development Minerals Programme. Local members of parliament in these two regions regularly participate in the radio programmes to discuss issues in the sector with their constituents. Furthermore, the Natural Resources Committee now seeks out the country focal point and the country coordinator for any further updates regarding support to legislation on the sector.

Capacity Building of Media Practitioners

In **Uganda**, sand mining has been contentious, and issues such as illegal operations, environmental degradation and conflict have come to the fore as reported by the Ugandan media. This has been especially in the silica sand-rich area of Diimu in Masaka district. Parliament's Natural Resources Committee conducted a site visit to Masaka, and as a result, one of the illegal operators was ordered to cease operations in order to curb the conflict and environmental degradation that was escalating. It is against this backdrop that the ACP-EU Development Minerals Programme in Uganda organized a media practitioners' orientation on November 30, 2016 in order to equip 32 media practitioners and stakeholders with knowledge specific to the Development Minerals sector. This media orientation was aimed at enhancing the knowledge of the media practitioners on all dimensions of the sector in order to ensure informed and balanced media coverage and reporting on the sector.



Media practitioners' orientation in Kampala, Uganda, 30 November 2016.

Similarly, key members of the media fraternity in **Jamaica**, took part in a sensitization workshop on the environment, quarry management and the Jamaican Quarries Control Act in Kingston, Jamaica, in 2016. They were among 61 key stakeholders who came together to deliberate on the Development Minerals sector.

Furthermore, 25 media practitioners in **Zambia** underwent training on Effective reporting on the Development Minerals sector from 2-4 March 2017 in Chisamba, Zambia.

Country-level initiatives for sector promotion

2019

To complement the capacity building initiatives in the focus countries, the ACP-EU Development Minerals Programme has successfully undertaken a diverse range of sector promotion activities aimed at providing ASM with pathways for strategic entry into Development Minerals value-chains at local, national and sub-regional levels. The small-scale operators of Development Minerals have had the opportunity to participate in and exhibit their products at national and sub-regional conferences, trade fairs and networking events co-hosted with national partners. Some key sector promotion initiatives are described below.

In **Zambia**, at least 781 key stakeholders took part in 5 sector-promotion events between 4th June and 19 August 2019. These events included: Copperbelt Agricultural Mining and Industrial EXPO; Copperbelt Province Expo; Zambia North West Expo; Zambia Industrial Mining and Energy Conference and Zambia Alternative Mining Indaba.

One hundred key stakeholders took part in the annual Development Minerals Conference in **Cameroon**. This edition of the MINMIDT conference was themed “Development Minerals: Contribution to Cameroon’s industrialization” and took place on 24 January 2019.

2018

In **Fiji** the Programme hosted the first-ever Trade Fair and Conference on Development Minerals in Suva, from 30 to 31 October 2018. Two hundred and eighty-two (282) key stakeholders from all over the island took part in this event that brought together public sector regulators, resource owners, private sector companies, business development institutions, equipment/machine suppliers, financiers from the banking sector as well micro-finance agencies and women in business.

The event was officially opened by Hon. Mahendra Reddy, Minister for Waterways and Environment, Ms. Emmanuelle Guiheneuf, Acting Head of Delegation, European Union; Mr. Bakhodir Burkanov, Country Director, UNDP Pacific Office in Fiji, and Mr. Malakai Finau, Permanent Secretary of Lands and Mineral Resources. In their opening remarks, the above keynote speakers commended the Programme’s actions in supporting a “rock-solid” future for

Fiji, through harnessing the benefits of this crucial Development Minerals sector. They reiterated their continued support in ensuring that the sector benefits all Fijians through enhanced livelihoods. They further pointed out the centrality of Development Minerals in the construction sector for building resilient infrastructure that can withstand the impacts of disasters and climate change, particularly in the highly vulnerable Pacific islands.

The 2018 Mineral Wealth Conference in **Uganda** took place from 02 to 03 October 2018 in Kampala, Uganda. An estimated 521 participants took part in this annual event. Twenty-one small-scale operators of Development Minerals in Uganda were sponsored by the programme to attend this sub-regional conference and exhibit their Development Minerals products to the larger Ugandan and East-African market. The conference themed *East-Africa: The continent's next mining haven* provided an opportunity for discussion and solutions on topics ranging from strategies to support private sector development, formalization of artisanal and small-scale mining and linkages to financing, as well as peaceful co-existence between artisanal and small-scale mining and large-scale mining.

To further strengthen south-south learning and knowledge transfer, the ACP-EU Development Minerals Programme's country coordinators from Cameroon, Guinea (Conakry), Uganda and Zambia took part in a panel discussion that showcased the successes in the four different countries and highlighted areas of knowledge transfer. Such successful initiatives have resulted in learning exchange visits between key ministry personnel in Uganda and Tanzania; as well as a planned exchange visit by officials from Cameroon's Ministry of Mines, Industry and Technological Development to Zambia's Ministry of Mines and Minerals Development. The exchange is to acquire knowledge on optimizing the sapphire value-chain.

In **Zambia**, the ACP-EU Development Minerals Programme participated in four in-country sector promotion events in the period under review. The programme sponsored 26 small-scale operators to attend the Copperbelt Agricultural Mining and Industrial Exhibition (CAMINEX) in Kitwe from 05 to 07 June 2018 at the Kitwe showground. This event that saw the participation of an estimated 4,331 visitors showcased the latest in Development Minerals products, machinery and services. H. E Mr. Edgar Lungu, the President of Zambia, officially opened this premier mining, agricultural and industry event that saw numerous business transactions take place as well as the development of key stakeholder partnerships in mining, agriculture and industry.

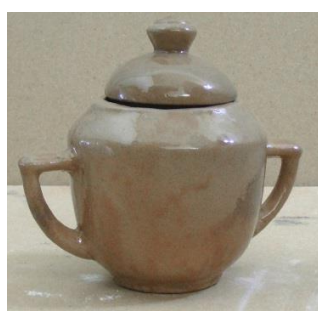
Additionally, the ACP-EU Development Minerals Programme's work and activities were showcased at the 8th Annual Zambia International Mining and Energy Conference (ZIMEC) and Exhibition held from 21 to 22 June 2018 in Lusaka, Zambia. 16 small-scale operators of Development Minerals were sponsored to exhibit their products to the 193 attendees from 12 countries present at the conference, enabling the exhibitors and visitors improve their knowledge of Development Minerals. Moreover, the Programme supported a Development Minerals Business Forum on the sidelines of the Zambia International Trade Fair in Ndola from 27 June to 03 July 2018. A total of 500 participants took part in the Business Forum held on 29 June 2018, where participants included market players in the trade and mining sectors, the

public sector as well as financial institutions. Nine small scale mining entrepreneurs of Development Minerals were sponsored by the Programme to participate in the Business Forum. The Programme is supporting the business linkages and partnerships created.

Furthermore, a total of 98 key stakeholders were reached during outreach and sector promotion activities in Zimba cooperative, Mufulira and Lesa Wamaka cooperative in Kalulushi on 18th July 2018 and 18 September 2018. Close monitoring and follow-up are underway to ensure that sector-specific support services are extended to the two cooperatives.

2017

In **Cameroon** the Programme took part in the *Forum des Jeunes Entrepreneurs Camerounais* (FOJEC) held in Yaoundé from 17-22 April 2017. The Programme sponsored two small-scale artisans of Development Minerals to host a stand at the forum and display their clay/ceramics products and semi-precious stones (blue sapphire). The Programme coordinator also hosted a session on Development Minerals during the Youth Fair to 200 participants. The Programme in Cameroon also hosted the 6th Edition of the Raw Materials' Days in Douala from 22-23 November 2017. Approximately 190 participants were in attendance at this 2-day event dubbed “**Development Minerals Days**”



Sector promotion activities in Yaoundé (17-22 April 2017) and Douala (22-23 November 2017) Cameroon

In **Uganda**, the 2017 edition of the Mineral Wealth Conference was held from 04 – 05 October 2017 in Kampala. The Conference brought together over 1000 sector stakeholders, under the theme “*Minerals – Knocking on the door to cause economic transformation in Uganda.*” Over

the two days, nine¹¹ exhibitors were supported by the ACP-EU Development Minerals Programme to showcase their products, technologies and services to the public. To leverage the opportunity for a national advocacy effort, a dedicated Development Minerals session comprising of a panel discussion highlighting issues pertinent to the Development Minerals sector was conducted. Panellists included representatives from the Ministry of Energy and Mineral Development, the EU Delegation, UNDP, the private sector and CSOs. The Panel helped articulate issues from their respective experiences and mandates towards informing perspectives about how development minerals can facilitate economic transformation in Uganda. An awards ceremony was also held in recognition of best actors along the following thematic areas: environmentally friendly practices, affordable and green technologies, innovation, Safety and Health and Gender Inclusion. A select panel comprised of representatives from the Ministry of Energy and Mineral Development, UNDP and members of the Country Working Group carried out the selection of finalists. Publicity regarding the awards was through established networks and a Newspaper Publication. This was in a supplement to publicity on Communications and Social Media channels in collaboration with the UNDP CO Communications Unit and ACP-EU Development Minerals Programme Communications Specialist.



(Left) Ambassador Attilio Pacifici – Head of EU Delegation in Uganda making opening remarks; (right) small-scale operator exhibiting Development Minerals products at the 2017 edition of the Mineral Wealth Conference held from 04 – 05 October 2017 in Kampala, Uganda

¹¹ Representing four primary categories: Dimension Stones, Construction Materials, Industrial Materials and Semi-Precious Stones

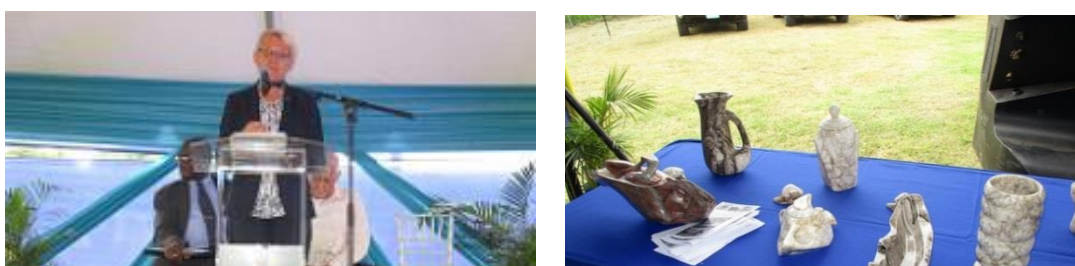


The 2017 edition of the Mineral Wealth Conference held from 04 – 05 October 2017 in Kampala, Uganda.

In **Zambia**, the ACP-EU Development Minerals Programme participated at the Copperbelt Agricultural Mining and Industrial Exhibition (CAMINEX) in Kitwe from 06 to 08 June 2017. The Programme enhanced the awareness of the exhibition attendees through the dissemination of Information, Education and Communication (IEC) materials on the Development Minerals sector in Zambia. Additionally, five (5) small scale miners were sponsored to showcase the value-added products of Development Minerals at a booth hosted by the ACP-EU Development Minerals which served as a creator of business linkages. Additionally, the ACP-EU Development Minerals Programme work and activities were showcased at the ZIMEC Exhibition held from 18 to 19 June, 2015. The ZIMEC 5th edition attracted 300 exhibitors and visitors. During this trade-show the Programme showcased the work under the Ministry of Mines booth, enabling the exhibitors and visitors improve their knowledge of Development Minerals. Furthermore, the Programme supported a Development Minerals Business Forum on the sidelines of the Zambia International Trade Fair in Kitwe in July 2017. Participants at the fair included leading market players in the trade and mining sectors, the public sector, as well as financial institutions. Fifty (50) small scale mining entrepreneurs of Development Minerals took part in the Business Forum. Close follow-up by the Programme is underway to ascertain and support the business linkages and partnerships created.



Jamaica's Minerals Week held from 19 – 26 November 2017



Ambassador Malgorzata Wasilewska - Head of EU Delegation to Jamaica making opening remarks at Jamaica's Minerals Week held from 19 – 26 November 2017; (right) Some of the Development Minerals sculptures showcased at the Minerals Week.

In **Jamaica**, the ACP-EU Development Minerals Programme co-hosted Jamaica's Minerals Week, held from 19 – 26 November 2017. At least two hundred and twenty-five (225) participants were engaged in the week-long event, which raised awareness of key stakeholders and the general public on Development Minerals. The contribution of Development Minerals to the achievement of all the Sustainable Development Goals (SDGs) was also highlighted in the various meetings held throughout the week, with participants being urged to ensure that they are part of the effort to localize the SDGs and subsequently reap the benefits. Minerals Week consisted of four public forums/dialogues in Yallahs (20 November), Clarendon (21 November), Manchester (23 November) and St Elizabeth (24 November), a Minerals Investment Forum (21 November), a Minerals Industry Conference (22 November), a Minerals Exhibition and Trade Fair (23 & 24 November) and Field Trips (25 November).

Another sector promotion activity in Jamaica that was successfully undertaken in the month of November 2017 was the exhibition of the Development Minerals Programme at the UN World Trade Organization's global conference on 'Jobs and Inclusive Growth: Partnerships for Sustainable Tourism' held from 27-29 November 2017 in Montego Bay. This event gathered 1500 participants and over 150 speakers. The Jamaica Business Development Corporation (JBDC) led the exhibition of the Programme in the implementation of the Return to Work plan prepared by its staff members who took part in a Learning Study Tour to Dar-es-Salaam, Tanzania from 28 March – 05 April, 2017.

In **Fiji**, the ACP-EU Development Minerals Programme organized a Study Tour for nine (9) Fijian Members of Parliament and administrative officers, as part of the Standing Committee on Natural Resources from 20 – 25 December 2017. The aim of the Study Tour was to enhance the knowledge, skills and awareness of the Standing Committee Members to the socio-economic impact at the grassroots level of the mining and extraction of Development Minerals, so as to enable them carry-out their legislative and oversight mandate. The Study Tour also provided an opportunity for the Committee Members to meet the mineral resource owners and discuss the key issues in the sector such as benefits for resource owners, market access; market pricing; and sector support services required to leverage the transformative potential of the sector. Twelve (12) quarries/mines were visited in Central, Eastern and Northern Divisions. The subsequent collective meetings with resource owners yielded crucial

information for the Standing Committee Members, who committed to enact and provide oversight to legislative actions that support resource owners improve their business operations and access capital/financing.



Images from the Study Tour for nine (9) Fijian Members of Parliament and administrative officers, as part of the Standing Committee on Natural Resources, held from 20 – 25 December 2017

Final Workshop

The final workshop was upgraded to the International Conference on Artisanal and

Small-scale Mining and Quarrying (ASM18). Details on the Conference are provided under the Communications and Visibility Report.

The International Conference on Artisanal and Small-scale Mining and Quarrying (ASM18) commanded a lot of visibility for the Programme and its partners.

ASM18 was an initiative of the ACP-EU Development Minerals Programme, organised by the African Caribbean and Pacific Group of States, European Union, United Nations Development Programme and Government of Zambia with the support of the World Bank, African Union, Organisation for Economic Co-operation and Development, International Conference on the Great Lakes Region, Intergovernmental Forum on Mining, Minerals, Metals and Sustainable Development, and German Cooperation. A range of specialised mining institutions and Regional Economic Communities of Africa, the Caribbean and the Pacific provided technical support including the GeoScience Division of the Pacific Community, the African Minerals Development Centre and the African Minerals and Geosciences Centre.

This International Conference was held in Livingstone, Zambia from 11-13 September 2018. The Conference fostered a global dialogue on the development opportunities and challenges of ASM. It was a space for the voices of ASM to share visions of the future during the 34

sessions that made up the conference. A wide spectrum of commodities were discussed ranging from the well-known, such as precious metals and precious stones, to those that have yet to receive due attention, such as Development Minerals, like aggregate and clay.

Five-hundred and forty-seven (547) delegates attended ASM18 from 72 countries, representing:

- Artisanal and small-scale miners; quarry workers; mineral processors and users; traders; equipment manufacturers; end-product producers and other private sector actors involved in the minerals supply chain.
- Representatives of mining and quarry associations, including women's mining associations.
- Representatives of government ministries, agencies and geological surveys with the responsibility for oversight, regulation, monitoring, technical support and promotion of the sector.
- Academics and researchers.
- Civil society and non-government organisations.
- Multi-lateral and bilateral development actors, including inter-governmental organisations.

SECTION IV: PROGRAMME IMPACT

Cumulative Impact

GLOBAL OUTPUTS AND ACTIVITIES INCLUDING 2019 ACHIEVEMENTS

Key achievements at a glance¹² for 2019 and for the Programme to date (2014-2019)

Selected Output Indicators¹³	2019	2014-2019
Number of training workshops held by the Programme	37	170
Number of knowledge sharing workshops/activities held by the Programme	26	118
Number of outreach events where the Programme participated	7	35
Number of targeted stakeholders directly engaged in training workshops ¹⁴	1,452	5,945
Number of targeted stakeholders trained by the Trained Trainers (ToT)	555*	13,111
Number of targeted stakeholders engaged in knowledge sharing workshops/activities	4,779	15,146
Number of targeted stakeholders engaged in outreach activities ¹⁵	730	3,355
Total number of targeted stakeholders participating in all capacity building initiatives	6,961	37,557
Number of training person days	2,159	19,372
Number of training of trainers (ToT) person days	150*	13,126
Number of knowledge sharing event person days	12,522	37,297
Number of outreach event person days	310	2,136
Total number of capacity building person days	14,991	71,931
Number of mining and quarrying sites visited	34	623
Percentage of female participation in training workshops and ToT sessions	33%	41%
Number of mining cooperatives formed	153	153
Number of business plans developed by miners	64	190
Number of new partnerships with regional institutions of the ACP	7	15
Number of universities and vocational training institutions delivering program curricula	8	42
Number of Women's Mining Associations engaged	6	63
Number of audiences reached via newsletter/bulletin	5,535	5,535
Number of jobs created and stabilised	3,641 ¹⁶	3,641
Number of persons directly benefiting from small grants	5,607 ¹⁷	5,607

¹² A detailed description of the achievements is found under II.C. Programme Implementation – Section 2.

¹³ The refinement and update of the programme's data collection and monitoring tools during the reporting period led to an increase in the metrics reported

¹⁴ In this report a more detailed breakdown is provided into four categories: 1) number of participants in regional and country-level training workshops directly delivered by the Programme; 2) number of participants in training workshops delivered independently by Trained Trainers following participation in the Programme; 3) number of participants in knowledge sharing events directly delivered, or co-hosted, by the Programme; 4) number of participants at outreach events where Programme representatives made presentations, but where the event was not hosted, or co-hosted, by the Programme.

¹⁵ Events organized by other organizations or partners where the ACP-EU Development Minerals Programme participated through: making remarks at the opening ceremony; making a presentation or a showcase about Development Minerals during a training programme; speaking as a panelist; using the moderator's role to provide an overview of the Development Minerals sector.

¹⁶ This is a new metric of achievement introduced in 2018 to measure the number of jobs created and stabilized during the course of programme implementation

¹⁷ This is a new metric of achievement introduced in 2019 to measure the number of direct and indirect beneficiaries of the small grants projects during the course of programme implementation

Total number of persons benefiting from small grants (direct and indirect beneficiaries)	17,502	17,502
*Preliminary data		

Trend analysis of key indicators for the programme to date (2014¹⁸-2019)

Key Indicators and Targets	End 2015	End 2016	End 2017	End 2018	End 2019	Comments
Regional Training Workshops	4	24	71	133	170	The demand for training workshops exceeded expectations. This is because of the popularity the programme received, which has resulted in participation of more trainees from programme countries plus those who were self-sponsored
Country-level Training Workshops	1	18	60	92	118	
Outreach Events	5	12	25	28	35	
Number of targeted stakeholders directly engaged in trainings/workshops	115	898	2,297	4,493	5,945	
Male	82	647	1,568	3,068	4,039	
Female	33	251	729	1,425	1,906	The number of female participants increased due to the outreach efforts of the programme to reach women miners and representatives of civil society.
Percentage Female participation	28.7%	28.0%	31.7%	31.7%	32.1%	
Number of targeted stakeholders trained by the Trained Trainers (ToT)	1,402	5,074	6,837	13,111	13,111	
Male	941	2,988	3,976	7,148	7,148	
Female	461	2,086	2,861	5,963	5,963	
Percentage Female participation	32.9%	41.1%	41.8%	45.5%	45.5%	
Number of targeted stakeholders engaged in knowledge sharing activities	70	1,107	7,261	10,367	15,146	

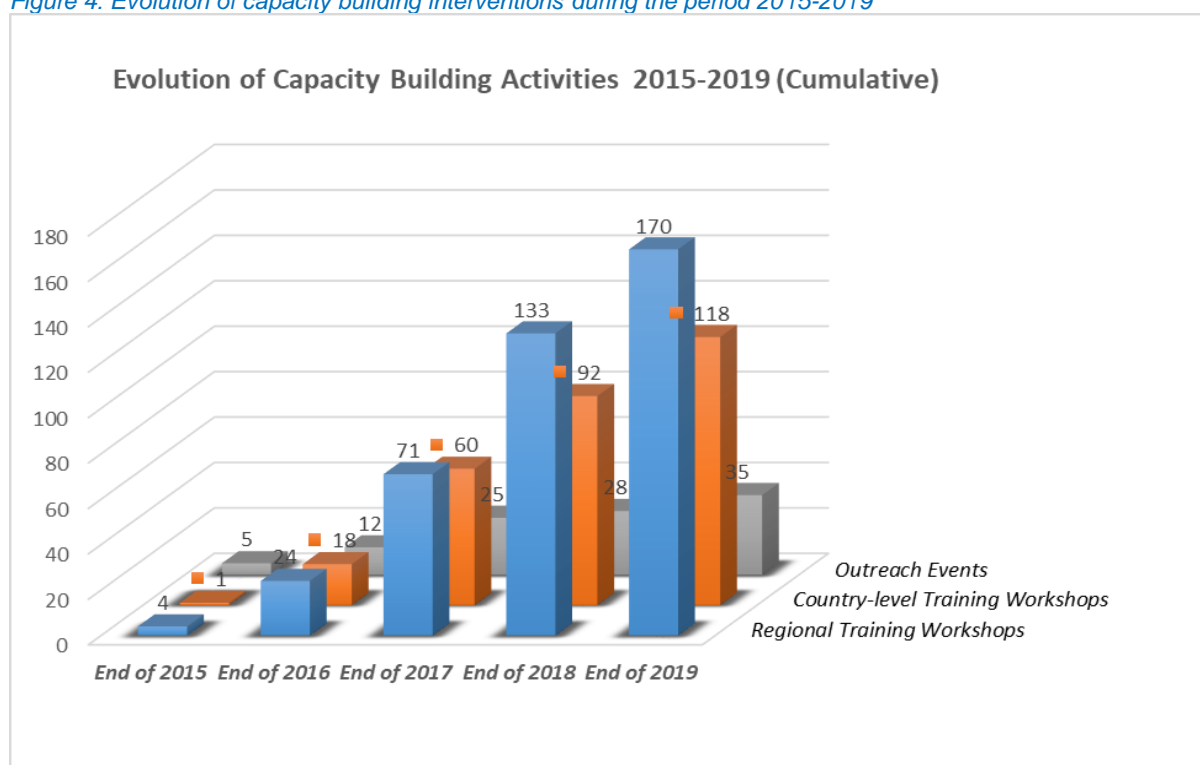
¹⁸ After the signing of the Contribution Agreement in October 2014, the remainder of the year was taken up by inception activities including the setting up of programme structures such as the Programme's Steering Committee, staff recruitment etc,

Key Indicators and Targets	End 2015	End 2016	End 2017	End 2018	End 2019	Comments
Number of targeted stakeholders engaged in outreach activities	470	1,484	2,055	2,625	3,355	
Total number of targeted stakeholders that participated in capacity building initiatives	2,057	8,563	18,450	30,596	37,557	
Number of training person days of stakeholders directly engaged in training	448	2,577	8,620	17,213	19,372	
Number of training of trainers (ToT) person days	1,402	5,074	6,837	13,126	13,126	
Number of knowledge sharing person days	140	2,010	12,007	24,775	37,297	
Number of outreach person days	235	742	1384	1,826	2,136	
Total number of capacity building person days	2,225	10,402	28,848	56,940	71,931	
Proportion of women in training programmes	32.9%	41.1%	41.8%	45.5%	47.0%	
Percentage of female participation in ACP-EU direct training workshops & ToT	32.6%	41.4%	39.6%	44.8%	33.1%	
Number of mining and quarrying sites visited	6	17	259	347	623	
Number of mining cooperatives formed	0	0	153	153	153	
Number of business plans developed by miners	0	0	40	86	190	
Number of partnerships with regional institutions of the ACP	11	14	14	15	15	
Number of universities, vocational training, and research institutions delivering program curricula	0	21	33	42	42	
Number of Women Mining Associations engaged	3	18	51	57	63	
Number of audience reached via newsletter	3657	4,424	5,190	5,522	5,535	
Number of ACP countries represented at training/workshops/ASM18 international conference	30	40	41	49	49	

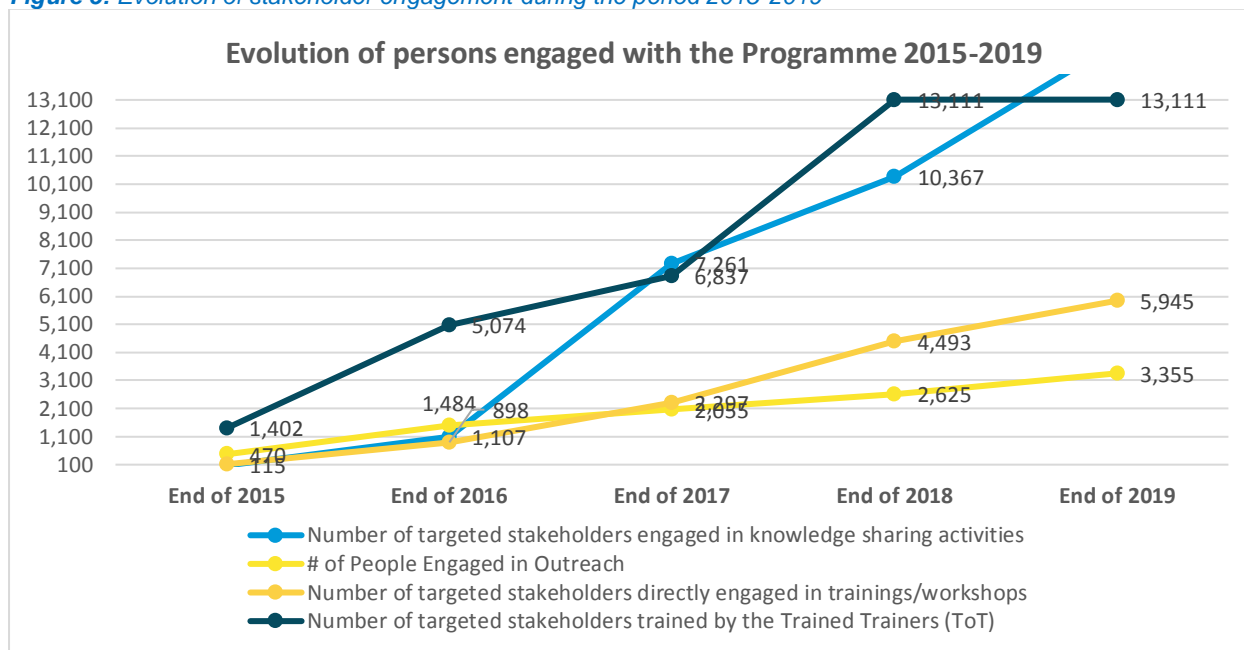
Source: *Development Minerals Programme, 2020*

CAPACITY BUILDING INTERVENTIONS

Figure 4: Evolution of capacity building interventions during the period 2015-2019



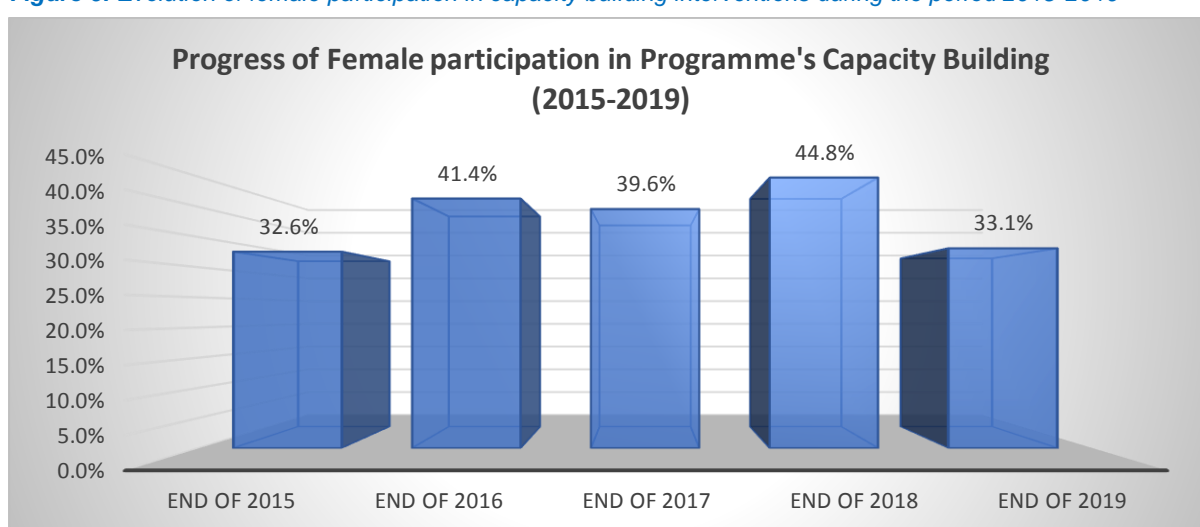
Source: Development Minerals Programme, 2020

Figure 5: Evolution of stakeholder engagement during the period 2015-2019

Source: Development Minerals Programme, 2020

The graph above provides a clear demonstration of the 3-prong multi-stakeholder capacity building approach adopted by the programme in the implementation of interventions. At the start of the programme, interventions were centred on building the capacity of a cohort of trained trainers (ToT) through direct training workshops hosted by the programme at regional and country-levels. Once equipped with new knowledge, skills and competencies, the cohort of trained trainers started the roll-out of the capacity building interventions in-country, at mine and quarry sites resulting in the continued exponential increase of key stakeholders trained and mentored.

Against a programme target of 6,400 stakeholders to be trained by trained trainers, the programme has trained a total of 13,111 stakeholders, corresponding to an achievement rate of 204.8%.

Figure 6: Evolution of female participation in capacity building interventions during the period 2015-2019

Source: Development Minerals Programme, 2020

While no set target on female participation in the Programme's capacity building initiatives had been elaborated in the project document, the Programme set up an aspirational target of 50% female participation by the end of the Programme and developed a gender equality strategy. Over a four-year period, the Programme managed to achieve a 12% increase in the number of women participating in the training and capacity building initiatives to reach 45% of all stakeholders in 2018 from an initial starting point of 33% in 2015.

During the period under review, the Programme directly trained 5,945 stakeholders in a total of 170 regional and country training events. Of these, 4,039 participants were male while 1,906 were female, demonstrating a 32% female representation rate. An additional 13,111 stakeholders were trained by trained trainers, 7,148 of whom were male and 5,963 female, indicating a 46% female representation rate. When cumulated, 11,187 male and 7,869 female participants were trained throughout the Programme implementation correlating to a 41% female representation rate.

This proportion of female participation in capacity building initiatives is an overachievement when correlated with the estimated number of women in artisanal and small-scale mining. Currently, it is estimated that between 30-40% of all artisanal and small-scale miners globally are women.

Focus Country Impact

Cameroon:

- Sand, clay, pozzolan, sapphire, gravel and dimension stones minerals have been positioned as priority minerals in Cameroon.
- More than 48 small-scale and artisanal businesses supported, contributing to more than 2,000 jobs created and benefitting from an environmental management plan and value chain development plan, a basic accounting plan and a business plan, a Mines and Quarries Management plan;
- 643 people directly trained in which 399 men and 244 women for a total of 2,398 trained by trained trainers.
- Developed awareness C4D tools on environment, health and safety issues in collaboration with the communication firm Interactive SARL;
- Small grants have been disbursed to 5 SMEs amounting up to USD 5000, each, to boost their production and increase revenues;
- 8 universities and business development institutions in partnership to provide extension services and support for formalisation process (GIMERC SARL; Institut des Matières Premières; Institut du Sahel; University of Buea; University of Douala, Institut des Beaux-Arts (IBA) de Foumban; University of Dschang; Institut Supérieur Polytechnique de Maroua-University of Maroua;
- More than 700 refugees based in Mora engaged and trained for reconstruction efforts. At least 70% of the beneficiaries were women. A training alumnus of the Programme has been supported to organize and mobilize artisanal miners from 109 sites in 7 communes in Adamaoua to form thirty (30) cooperatives/mining associations registered in the Coop/GIC register of Adamaoua). He further provided support to 100 artisans to obtain the artisanal mining cards/licenses as part of their formalization;
- ‘GEODATA CAMEROON’: A total of 12 maps and data base have been developed to date.
- South-South Cooperation: learning tour to Zambia tool place;
- A weekly radio programme was launched to discuss Development Minerals and disseminate information on Development Minerals to the public while also offering an opportunity for call-ins for specific issues
- The programme provided significant input and influenced the reform of the 2016 Minerals Code. The revised Minerals Code that was promulgated in 2017 now covers Development Minerals and the key issues specific to the sector. This had been omitted in the previous 2002 Minerals Code;
- A Country Working Group in Cameroon has been established as an entity within the Ministry of Mines,
- Approx. 160,000 USD contributed by the government to implement the programme in Cameroon;
- **Inclusive Finance**
 - The African Guarantee Fund for Small and Medium-sized Enterprises Ltd (AGF) together with the African, Caribbean and Pacific Group of States, European Union and UNDP and the Ministry of Mines, Industry and Technological Development in Cameroon hosted a training for microfinance institutions.
- **Development Mineral Sector – Technical studies**
 - **Baseline studies:** In-depth technical studies of the Development Minerals Sector have been undertaken in Cameroon for the first time.
 - **Sector census:** 470 mine sites visited in the first-ever Census of Artisanal and Small-scale Mining of Development Minerals, and very conservative estimates indicate that at least 23,200 persons are directly employed in the sector.

Success Stories: CAMEROON – LOCAL MATERIALS FOR EARLY RECOVERY

Mr. Ibrahim Djagra, (Maroua, Northern Cameroon) is an alumnus of the national-level workshops on Enterprise Skills, Market Analysis, Investment Promotion and Value-addition of Development Minerals, held in 2018. He is also a recipient of a small grant from the Programme. He started a social enterprise that trains refugees and internally displaced persons (IDPs) impacted by the atrocities of Boko Haram. They were trained to use stabilized soil bricks (SSBs) for the construction and reconstruction of houses and social infrastructure. SSBs are more cost-effective and environmentally friendly than cement blocks. SSBs are bulletproof and better suited to the Sahel climate. Mr. Djagra now employs 80 people (47 women) and has trained 1,000 people from 10 sites in the use of SSB with support from the Programme. Consequently, they have now built a health clinic and a school and are aiming at building 1,500 houses and 150 classrooms. Additionally, with mentorship support and coaching from the Programme, he has been linked to local government, who have given him contracts for the construction of local infrastructure, thereby maintaining improved livelihoods, reducing poverty and creating new jobs and stabilizing existing ones.

*Mr. Djagra carrying out local-level awareness raising on importance of stabilized soil bricks (SSB) and recruiting for employment in his social enterprise **and** Some of the employees (mainly refugees and IDPs)*



The completed health centre built by Mr. Djagra's social enterprise using stabilized soil bricks (SSBs)

Fiji:

- 20 training (12) and knowledge sharing (08) workshops held;
- 316 people directly trained and a further 20 trained by trained trainers in 956 training person days;
- 790 stakeholders reached in the knowledge sharing events;
- 1,126 stakeholders engaged in capacity building initiatives;
- The Baseline Assessment of Development Minerals in Fiji compiled the most comprehensive database of regulated and unregulated extraction sites to date highlighting the undervaluation of the Development Minerals sector and its contribution to Fiji's economy. In 2017 the total estimated Development Mineral production from regulated sites was 3,584,400 m³. This figure is approximately 8 times higher than the total reported official production of hard rock quarry, soft rock quarry and river gravel extraction in Fiji;
- The Fiji National University (FNU) launched the first ever Certificate Programme in Geology, Mining and Quarrying on 1st November 2017. This is a major milestone as there is a shortage of skilled individuals for this sector and having more qualified nationals is envisaged to enable a more sustainable and efficient sector;
- A partnership between the Australian National University's (ANU) School of Earth Science and Fiji National University (FNU) has been established. ANU donated rock samples and considerable rock analysis equipment to the Certificate IV program in Mining and Quarrying at Fiji National University (FNU) initiated by the ACP-EU Development Minerals Programme.
- Similarly, the National Centre for Small and Micro Enterprises Development (NCSMED) has been engaged to deliver the country-level training on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals, while, the University of Southern Pacific is refining and delivering curricula on Environment, community, health and safety.
- The Country Working Group in Fiji has been institutionalized as an official government committee within the Ministry for Lands and Mineral Resources, thereby ensuring sustainability of the work of the working group long-after programme closure.
- A Standard Operating Procedures (SOPs) was developed for the licensing of Quarries. Two guidelines for the private sector on hard rock and river-based extraction were also developed with the support of the Programme. The Standard Operating Procedures has been integrated into the regulatory framework of Fiji's minerals sector.
- Twenty-seven (27) participants from Labasa in the Northern Division took part in the training of trainers' workshop on Enterprise skills, market analysis, investment promotion and value-addition of Development Minerals over 12-16 February 2018. All the 27 participants developed Business Plans for enhancing their access to finance to support their operations.
- Twenty-seven (27) quarry owners were trained on Occupational, health and safety in quarries
- Five (5) geo-data inventories/geo-data maps produced/undertaken as an outcome of a combined training workshop for the Pacific region and Fiji
- 3 small grants were awarded to the tune of \$10,000 to a civil society organization, and two small-scale mining operators.
- The first-ever Development Minerals Trade Fair was held from 30-31 October 2018 in Suva in partnership with the Mineral Resources Department and the Mining and Quarry Council.

Guinea

The implementation of the Programme led to the following impacts:

- 43 workshops held including 33 skill trainings and 10 knowledge exchanges;
- 1,393 people have been directly trained and nearly 6,077 people have been trained by trainers from our Training of Trainers;
- 3,854 person / day of training was held;
- 1,470 stakeholders participated in knowledge exchange workshops;
- 8,940 stakeholders were involved in capacity building initiatives;
- Establishment of sixty-four (64) artisanal and small-scale mining (ASM) cooperatives on 64 pilot sites country wide. The creation of these cooperatives is an important milestone in the Programme, paving the way for the much-needed extension services and sector-specific support to nearly 5,000 miners;
- 64 mining and quarrying sites mapped and digitalized by a team of 36 geologists;
- The very first census of artisanal and small-scale miners (ASM) has been conducted in Guinea documenting at least 30,000 miners directly working in the sector. The census report on SMEs complements the information contained in the baseline study of Development Minerals in Guinea;
- 40 ASM Cooperatives applied for financial support, 17 received the small grants totaling \$ 77,469;
- It is estimated that 3,628 people benefited directly / indirectly from small grants and that 166 jobs have been created / stabilized with their livelihoods improved.

Jamaica:

- 31 events - training (15) and knowledge sharing (16) workshops held;
- 514 people directly trained: 368 male participants (72%) and 146 female (28%);
- 1,063 training person days were held;
- 521 stakeholders reached in the knowledge sharing events;
- Fifty-four (54) quarries extracting Development Minerals were visited and assessed for the Baseline Assessment of Development Minerals in Jamaica, accounting for forty-five per cent (45%) of the total operating quarries in 2017;
- The employment benefits of quarrying, especially in rural areas, is very significant. 1,750 direct jobs and 7,000-8,750 indirect jobs were supported in the sector in 2016;
- The *Mining and Quarry Association of Jamaica* partnered in the Programme in the joint publication of guidelines on the updated *Quarry Act* which were made available to 178 quarry operators who took part in 3 sensitization sessions;
- Partnered with the University of West Indies, Mona Campus - Jamaica; and the University of Technology (UTECH), Jamaica to deliver training on Development Minerals;
- Mr. Laurence Neufville, a training alumni of the Curricula Sprint on Environment, Community, Health and Safety (2017) developed a Return-to-Work Plan to start a new Certificate Course on Mining, Quarrying and Restoration at the University of Technology (UTECH), Jamaica, using the Programme's modules as the foundation of the curricula. The first cohort of twenty (20) graduates completed the Certificate on November 3, 2017. Due to the overwhelming interest in the Certificate Course, Mr. Neufville is leading the development of a full four-year Bachelors programme of 8 Semesters to be rolled out in Semester 1 of 2020;
- Established a partnership with the Jamaica Business Development Corporation (JBDC), and the Branson Centre for Entrepreneurship in the Caribbean to deliver training on Enterprise skills, market analysis, investment promotion and value-addition. So far, 83 quarry owners and operators have been trained in four training workshops island-wide;
- New knowledge on the mining sector – particularly in relation to quarrying – was gained by 178 quarry operators who attended the three sensitization sessions and received a copy of the Environmental Handbook;
- Revitalized the National Minerals Policy development that had previously stalled, by providing inputs and ensuring that the policy looks at mining sector diversification from two angles: (a) industry diversification from bauxite to Development Minerals as well as (b) product diversification in terms of value addition. e.g 1 tonne of gypsum sells for \$ 35; while

Jamaica, *Continued*

- Co-hosted the Jamaica's Minerals Week that was held from 19 – 26 November 2017 and from 17th – 22nd November 2019. At least two hundred and twenty-five (225) participants were engaged in the week-long event in 2017. Over four thousand (4,000) persons participated in the 2-day exhibition and technical conference. Approximately four hundred and twenty-five thousand (425,000) persons, listened to at least one event via radio and television;
- Nine (9) artisans and potters from Jamaica attended a 4-week training workshop on Pottery and Ceramics Technology at the African Minerals and Geosciences Centre (AMGC) in Dar-es-Salaam, Tanzania from 28th March – 21st April 2017;
- One of the key outcomes of the training of Jamaican artisans in Tanzania is that Mines & Geology department revised their work plan to include mapping of clays and their characterization in order to supply domestic clay to the artisans;
- Furthermore, the knowledge gained from one study tour participant to Tanzania has been incorporated into the curriculum at a technical college; while another artisan has so far trained four (4) youth on ceramics in Trench town, providing them livelihood opportunities, and is looking to increase the number to ten (10) in the next couple of months;
- In implementing his Return-to-Work Plan, a programme alumni, who took part in the 9-day Learning study tour to Tanzania from March 28 – April 5, 2017, led the exhibition of the Development Minerals Programme at the UN World Trade Organization's global conference on *Jobs and Inclusive Growth: Partnerships for Sustainable Tourism* held from 27-29 November 2017 in Montego Bay. This event gathered 1,500 participants and over 150 speakers;
- Sector promotion activities in the form of exhibitions and fairs have been undertaken, leading to the establishment of markets for the artisans in the ceramics and pottery subsector. For instance, 2 artisans have been linked to specific hotels for the display and sale of the ceramics/pottery products to the hotel clientele.
- A total of 19 small grants projects were submitted and approved in 2018. This represents a total of US\$85,000 in expenditure. US\$63,632 has been disbursed and expended,
- Baseline Assessment of Development Minerals in Jamaica was produced.

<http://developmentminerals.org/index.php/en/resource/studies>

Clay firing the ceramics and pottery sector

Mr. Wazari Johnson, proprietor of Advocate Industries in Kingston, Jamaica is alumnus of the training on Pottery and Ceramics Technology carried out by the African Minerals and Geo-sciences Centre (AMDC) in Tanzania, as part of a South-South knowledge exchange programme in 2017. He also took part in the country-level training on Enterprise Skills, Market Analysis, Investment Promotion and Value-addition of Development Minerals in 2018. He thereafter applied for a small grant from the Programme in Jamaica. Through a competitive selection process, Wazari was awarded the Programme's small grant to up-scale his Development Minerals enterprise.

These interventions have improved the overall quality of his ceramics/pottery pieces as well as the use of new glazing techniques, resulting in the creation of new product lines. Additionally, the small grant has enhanced the capacity of Wazari to import his raw materials in bulk, eliminating slowdowns in his production line. Furthermore, the grant enabled him to offer free training on ceramics and pottery techniques that has created new income for three young upcoming entrepreneurs.

Mr. Wazari Johnson in his workshop; (below) the three trainees in Mr. Wazari's workshop



Ms. Nozikonjane Makoko Joyce is a sandstone miner in Lesotho. She is alumnus of the Regional Training Workshop on Enterprise Skills, Market Analysis, Investment Promotion and Value-addition of Development Minerals, that took place in 2018, in Livingstone, Zambia. As a result of the new skills and networking opportunities presented at the training workshop, she has expanded her product line to increase more diversity in the items she is crafting from sandstone, a move that has significantly increased her profit margins. Furthermore, she has joined the Women in Business cooperative to enhance her exposure to more market opportunities and benefit from the peer-to-peer mentorship and support mechanism. Thus far, her awareness-raising and sensitization campaigns on the value-addition potential of dimension stones have reached 35 other stakeholders in Lesotho's ASM sector.

Sandstone cutting at Ms. Nozikonjane Makoko Joyce's mine site; (below) sandstone delivered to client for use in construction.



Uganda:

- The Baseline Assessment and Value Chain Analysis of Development Minerals was published in 2018 providing extensive profile of the Development Minerals sector and a basis for evidence-based planning and programming. The report is also available on line: <http://developmentminerals.org/index.php/en/resource/studies-handbooks>
- Trained Artisanal and Small-Scale Mining (ASM), local government and other sector stakeholders in enterprise management, business planning, environmental management, gender, safety, health and conflict dynamics in mining.
- Through training, grants and support towards market access and investment promotion, the capacity of miners has been strengthened toward creation of an enabling business environment that has led to improved incomes and enhanced livelihoods in the Development Minerals sector.
- Uganda now has a new Mining and Minerals Policy approved in May 2018 that incorporates issues pertinent to the Development Minerals sector.
- Uganda's geodata inventory for Development Minerals has been enriched through support for mapping of new sites as well as updating existing Development Minerals databases.
- In partnership with the Africa Guarantee Fund for SMEs (AGF), the programme has engaged 12 financial institutions to facilitate inclusive finance and access to affordable credit for Development Minerals sector

Zambia:

- 38 events - training (21) and knowledge sharing (17) workshops held;
- 591 people directly trained and a further 1508 trained by trained trainers;
- 3,372 training person days;
- 1,102 stakeholders reached in the knowledge sharing events;
- 3,201 stakeholders participated in capacity building initiatives;
- > 130 mine sites visited in the first-ever survey of Artisanal and Small-scale Mining of Development Minerals;
- The ACP-EU Development Minerals Programme in Zambia is contributing to building the capacity of a small-scale miners on mine and quarry management. One such miner improved the quality of his aggregates to supply to the contractors of the Kazungula Bridge project, generating an additional 300 jobs at the quarry to meet demand for the project;
- According to a 2016 census carried out by the Ministry of Mines and Minerals Development in collaboration with the ACP-EU Development Minerals Programme, conservative estimates indicate at least 6,815 people, 41% of them women, are directly employed in 75% of the mine sites visited;
- More than 200 SMEs and business development actors trained on Enterprise Skills, Market Analysis, Investment Promotion & Value-addition providing needed skills to thrive and to ensure better access to finance.
- In conjunction with local partners, 6 additional cooperatives of artisanal and small-scale miners have been formalized to access sector-specific support and extension services including business development and business acceleration programmes, market information, access to affordable finance;
- The programme worked with 6 mining associations namely; Association of Zambian Women in Mining; the Emerald and Semi-Precious Stones Association of Zambia; Kalomo Miners Association; Federation of Small-Scale Miners of Zambia; and the Lundazi Mining Association; Zambia Gemstone Marketing Association. The Programme furthered strengthened governance structures leading to improved accountability and transparency in administration
- The University of Zambia has been engaged to provide extension services and support for formalisation, as well as training and teaching the Development Minerals curricula;
- Specialists from Zambia's Geological Survey Department (GSD) undertook a geo-data digitization exercise. A total of 553 reports, journals, maps, bulletins and other publications with data and information on Development Minerals was captured, stored and is in the process of targeted dissemination. 211 reports on small scale mining of other commodities were

Zambia continued:

- The Minister of Mines and Minerals Development has given assent for the creation of a specific adhoc unit to handle the Development Minerals sector within the Ministry. The creation of this specific unit demonstrates government commitment to the sector;
- The ACP-EU Development Minerals Programme provided significant input in the finalization of the 7th National Development Plan (7NDP) covering the period 2017 – 2021. The Programme provided input to address economic diversification in the mining sector thereby enhancing employment creation;
- The UNDP Country Office allocated 325,000 USD as Contribution for Programme Implementation;
- The Ministry of Mines and Minerals Development has put up budget and programmes to support the implementation of activities to support the Development Minerals Sector;
- 12 small grants projects were approved representing a total of US\$78,420 in disbursement with a total of 1,498 direct beneficiaries and 4188 indirect beneficiaries reached in the implementation of the small grant projects. An estimated 300 jobs have been created/stabilized, with the employed people benefiting from enhanced livelihoods.
- Because of the Programme, the Road Development Agency will reserve a quota for women miners and the Citizen Empowerment Fund will support resource mobilisation. Export trade mission have been made to Zambian Embassies in London and Washington
- 17 additional cooperatives of artisanal and small-scale miners are formalized in order to access Development Minerals sector-specific support and extension services including business development and business acceleration programmes, market information, access to finance;
- Provided eight small grants to the small-scale miners so that they can improve productivity that can ultimately increase incomes and reduce multi -dimensional poverty;
- Supported the development and installation of a geological database at the Ministry of Mines and Minerals Development – Geological Survey Department from its core resources.

1. Inclusive Finance

Trained credit directors, risk managers and risk analysts in a range of financial institutions to encourage the institutions to create better loan products to private miners and quarry operators and to subsequently enter into agreements with the AGF to access the guarantee facilities.

Sector – Technical Studies

A number of in-depth technical studies on Development Minerals have been produced with the support of the Programme, including:

- **Baseline Assessment of Development Minerals in Zambia**

<http://developmentminerals.org/index.php/en/resource/studies>

Using cobblestones to pave municipal roads

Ms. Thelma S. Nkowni is alumnus of the country-level training on Enterprise Skills, Market Analysis, Investment Promotion and Value-addition of Development Minerals, held in Kitwe in 2017, as well as the training on Cobblestone Paving Technology held in 2018. Her current business deals in silica sand, stones and cobblestone, which are used for paving roads, pavements, walkways and compounds.

Through the joint training by the Zambia Development Agency (ZDA) and the ACP-EU Development Minerals Programme in Zambia, Thelma's skills, knowledge and competencies in the mining sector were significantly enhanced, broadening her understanding of the dynamics in the sector. She employed her newly acquired knowledge, skills and competencies in the sector more strategically, resulting in an increase in confidence that enabled her to attract more customers and get new contracts.

Through the Association of Women in Mining (Zambia), Thelma has been able to build a strong network with Kitwe City Council, resulting in the winning of new contracts, including the paving of the walkways at the President Avenue in Kitwe. Her enterprise created 12 new jobs and Thelma's business now receives more contracting orders for its Development Minerals products from public and private contractors, individuals and institutions than was the case before she participated in the Programme. This was a result of the application of the supported trainings she participated in.



Ms. Thelma Nkowni's team using cobblestones to pave walkways in Kitwe

Institution/Organization Level Impact

Capacity development facilitation was undertaken through the provision of technical training; development of tailored curricula; technical support; small grants; sector assessments (e.g. profile of the sector, socio-economic and environmental analysis, market analysis); and establishing dialogue processes for grievance management and resolution of conflicts. The capacity development activities aimed at changing systems, procedures and rules within the institution/organization to enable the provision of targeted sector-specific extension services to the Development Minerals sector. Some of the mechanisms used by the Programme to build capacity and accelerate transformation at the institutional level in the Development Minerals sector are described below.

- **Training of Trainers and Curricula Sprints**

In the period under review, the Programme continued to support capacity-building activities designed to foster onward independent learning through the training of trainers and by embedding the Programme training curricula into teaching at universities, vocational training institutions and business development organizations. Following-on the success of the Curricula sprint on Environment, Community, Health and Safety of Development Minerals, academia and trainers from countries as diverse as Jamaica, Fiji and Zambia have developed new courses for their institutions that incorporate the curricula of the ACP-EU Development Minerals Programme. The onward delivery of the new courses will ensure a steady pipeline of professionals with in-depth knowledge of the nuanced needs and requirements of the Development Minerals sector. In the one-year period since the Curricula sprint brought together experts to develop a model curriculum, 21 academics and trainers have delivered either new Curricula or adapted Curricula on Development Minerals to 130 students and professionals, 43 (33%) of them female.

New courses on Development Minerals developed or adapted by universities and vocational training institutions

JAMAICA – Certificate Course on Mining, Quarrying and Restoration at the University of Technology (UTECH), Jamaica

Mr. Laurence Neufville, an alumnus of the Curricula Sprint on Environment, Community, Health and Safety (2017) developed a Return-to-Work Plan to start a new Certificate Course on Mining, Quarrying and Restoration at the University of Technology (UTECH), Jamaica, using the Programme's modules as the foundation of the curricula. The first cohort of twenty (20) graduates completed the Certificate on 3 November 2017. Due to the overwhelming interest in the Certificate Course, Mr. Neufville is leading the development of a full four-year Bachelors programme of eight Semesters to be rolled out in Semester 2019. Mr. Neufville and UTECH have also been in talks with the Mines and Geology Division (MGD) to ensure

that every quarry island-wide has at least one operator, trained and certified in the newly developed course.

FIJI – Certificate IV program in Mining and Quarrying at Fiji National University (FNU)

Following his participation at the Curricula Sprint on Environment, Community, Health and Safety (2017), Mr. Salabogi Likutabua Mavoa's Return-to-Work Plan focused on introducing a Certificate Course on Mining and Quarrying to be offered by Fiji National University. Subsequently, the ACP-EU Development Minerals Programme in Fiji, in partnership with the Fiji National University (FNU), launched the first ever Certificate Programme in Geology, Mining and Quarrying on 1st November 2017 with the enrolment of 20 new students. An orientation into the Certificate 4 level course saw the 20 students undertake, in 2018, a country-wide mine and quarry site visit to 32 sites; boosting their practical knowledge of the sector, to inform their learning in the course. This is a major milestone as there is a shortage of skilled individuals for this sector and having more qualified nationals is envisaged to enable a more sustainable and efficient sector. Furthermore, because of this success, a partnership between the Australian National University's (ANU) School of Earth Science and the Fiji National University (FNU) was established. ANU donated rock samples and considerable rock analysis equipment to the Certificate IV program in Mining and Quarrying at Fiji National University (FNU) initiated by the ACP-EU Development Minerals Programme.

ZAMBIA – Cobblestone Training Course at the Technical Educational, Vocational and Entrepreneurship Training Authority (TEVETA)

A Cobblestone Training Course was launched at the Technical Educational, Vocational and Entrepreneurship Training Authority (TEVETA) in Lusaka, Zambia on 14 February 2018. The partnership and support provided by the ACP-EU Development Minerals Programme has seen this Cobblestone Paving Course offered to a total of 56 participants, 20 of whom were female (36%).

To enable the Programme's capacity building support reach the wider community, Umodzi Arts Cooperative received a small grant to enhance the capacity of women and youth in value addition of cobblestones, through a Training of Trainers (ToT) methodology. The small grants contributed to the improvement of the skills and knowledge of trainees in all aspects of cobblestone rock extraction, splitting in the quarry, cutting, chiselling and laying techniques. These skills contribute to job creation, income generation and sustainable mining practices.

The initial results of the implementation of the training component of the small grant project included the upskilling of a total of 70 (29 male; 41 female) trainees drawn from Umodzi Arts

Cooperative and the neighbouring Kabanana-Chazanga communities. The trainees have been mentored and linked to work as contractors in construction projects where cobblestones are used for community road works.

Implementation of training, with small grants, on all aspects of cobblestone paving technology



Small grants and inclusive finance¹⁹

Lack of access to affordable finance has been cited as a critical barrier to the development of a thriving Development Minerals sector by ASM enterprises in all 41 participating countries. This is because, on the one hand, financial institutions have a biased perception of the risk profile of the sector, leading to the provision of financial products with disadvantageous terms that are unfavourable to ASM enterprises. On the other hand, informal miners lack the necessary documentation, bankable documents, business information and skills to apply for financial products.

In the period under review, the ACP-EU Development Minerals Programme has continued to work simultaneously with financial institutions to assist them to understand the sector and reassess their perceptions of risk; develop new loan products using innovations such as mobile banking and guarantee schemes that remove the need for upfront capital; and to assist newly formalised mining entities in developing business plans, calculate geological reserves and to be ready to access such finance. In partnership with the African Guarantee Fund for SMEs (AGF), five workshops on inclusive finance for the Development Minerals sector were carried out in Cameroon (19-22 March 2018); Uganda (23-27 April 2018); Zambia (09-13 July 2018); Guinea (30 July-3 August); and Nigeria (29 October-02 November 2018). Credit directors, risk managers and risk analysts from 56 financial institutions were trained on risk perception and management in the Development Minerals sector. They were encouraged to create better loan products for private miners and quarry operators and to subsequently enter into agreements with the AGF to access credit guarantee facilities. Simultaneously, the ACP-EU Development Minerals Programme continued to conduct training and capacity building of the small-scale private sector in each of the six Programme focus countries in market analysis, enterprise skills, entrepreneurship and investment promotion. Training alumni have prepared business plans that will assist them in accessing the loans provided by the financial institutions. As a result of the training workshops, a total of 22 financial institutions (7 in Cameroon, 4 in Uganda, 5 in Zambia, 3 in Guinea and 3 in Nigeria) are engaged with the African Guarantee Fund in developing financial products tailored to the needs of the SMEs in the Development Minerals sector. Of these, thirteen (13) are commercial banks, while nine (9) are microfinance institutions. The partnership has the potential to be expanded to other countries of the ACP Group of States in a potential Phase II of the ACP-EU Development Minerals Programme.

Furthermore, the provision of small grants to the Programme alumni is the first step towards independent access to finance from private institutions and public funds. The training alumni who have received the small grants (through a competitive public application process) have reported improved income/revenue, improved production and sales as well as the creation of 3,641 jobs and stabilization of previously precarious employment. 62 small grants proposals from six focus countries were awarded a total of \$312,086 to implement projects in the Development Minerals sector. The total number of persons benefitting from the disbursement

¹⁹ Access to finance is a key lever for the achievement of 13 out of the 17 SDGs.

of the small grants is at least 17,502. Out of this number, 5,607 people directly benefited from the small grants, with 3,245 (58%) of them female. The selected case studies below highlight the big impact of the small grants disbursed in 2018.

Selected case studies on impact of small grants implementation

FIJI

Grace Trifam Ministry:

This Civil Society Stakeholder received a small grant to implement a project aimed at enhancing livelihoods and ecological sustainability of the river system in Vatu Kaloko Region. The overall objective of the project was to facilitate and coordinate the sustainable extraction of gravel resources in the Yaqara and Uluniwainibuka river systems with the requisite stakeholder engagement, through community-level capacity building and consultations with resource owners and other land users.

Impact of small grant:

Baseline and Resource estimation: Completion of a Baseline Assessment; Scoping and Full Resource Aggregate & Sand Assessment for the Yaqara and Uluniwainibuka River system. This report, with first-of-its-kind data, has informed interventions planned by the Mineral Resources Department (MRD).

Public-private-social stakeholder dialogues: A total of 28 meetings were held with key stakeholders from government, private sector and landowners that culminated in a 2-day Joint Vanua-Government Brainstorming Forum over 18th-19th December 2018. The success of the Forum has triggered overwhelming post-Forum discussion between those that participated to those Tikina tribal/"mataqali" and "yavusa" leaders that missed out.

Regulation enforcement: High-level dialogues between the community, Grace Trifam Ministry and the Mineral Resources Department resulted in the Vanua o Vatulaloko finally closing the M R Dayal Quarry at Yaqara and all river extraction at the Yaqara River, as the company was operating illegally while contributing to significant environmental impacts in the community.

Establishment of private sector-community partnerships: Positive business discussions have led to the drafting of a partnership MOU between the Vanua and Flame Tree Developments Ltd for the sustainable extraction and use of Development Minerals.

Drone footage of the Uluniwainibuka catchment region taken as part of the Baseline Assessment



JAMAICA

Mr. Robert Campbell - Hands in Clay Jamaica Limited.

Hands in Clay Jamaica Limited was established in 2005 with two Directors, Robert Campbell and Shawn Ashman. The company develops pottery using technology and innovative production with its Director- Robert Campbell- having expertise in sculpture and mould making. The company also provides capacity building support to other artisans such as the Spanish Town Guild of Artists, Dian L. Walters Organization, Rose Town and Milk River Foundations.

As part of the small grant project, Robert Campbell conducted training at Spanish Town Guild of Artists and Trench Town Ceramics and Arts Centre.

Mr. Campbell in his workshop(left); Training underway for other artisans by Mr. Campbell(right).



Impact of small grant:

Increase in production: Hands in Clay created Makonde Art which was inspired by the south-south knowledge exchange to Tanzania supported by the Programme. 80 pieces were produced, with 96% of the new pieces getting sold. This resulted in an increase in revenue for the enterprise, which was re-invested into the business to increase production.

Employment creation: Six (6) new persons were permanently employed to match increased production.

Purchase of small equipment: 1 Potter's wheel was purchased for the training workshops held for other artisans.

Beneficiaries of ToT workshops: Training of trainers workshops were held in Rose Town, Kingston and Tawes Pen Meadows, Spanish Town in August 2018, where 30 artisans were trained.

New trainees in Mr. Campbell's workshop(left); Makonde-inspired art (right)



Mines and Geology Division (MGD) - Jamaica

The Mines and Geology Division (MGD) in Jamaica has the statutory responsibility under the Mining Act and the Quarries Control Act, to exercise general supervision over all prospecting, mining and quarrying operations throughout the island. The Division also manages the investigation, characterization, documentation and release of information on all aspects of the geology of Jamaica. The MGD provides the national repository of geological and geoscientific data (Geo-data).

The agency identified a need to improve the provision of mineral information to its clients. A project was initiated to create an online, user-friendly Development Minerals Database, presented as a web-map. The digital/online focus was preferable, considering the robust internet coverage and accessibility to media devices by nearly all Jamaicans. This project received equipment support by the ACP-EU Development Minerals programme in Jamaica to fill the gap created by the absence of accessible geo-data on Development Minerals.

Newly purchased server to ensure easily accessible geo-data on Development Minerals



Application server (DELL PowerEdge R740) in ICT Department.



Geologists looking at newly collected data-sets on the Server.

- **Impact of small grant:**

Online geo-data: The Mines and Geology Division (MGD) is now operating in an international best practice environment for the digital availability of geo-data on Developmental Minerals. This has resulted in a tremendous improvement in access to geo-data for interested quarry owners/operators and investors.

Easily accessible geo-data and information on Development Minerals: The introduction of the Development Minerals Database and web-map has made the services of the MGD more customer-centric and efficient. The MGD's clients include citizens, mine and quarry operators, environmental groups, developers, students and others who have benefited from an improvement in customer service. Communities can readily obtain vital information on the mineral deposit characteristics in their area to inform economic decisions.

A catalyst for inclusive development: Information on local natural resources is now more readily accessible for utilization by all citizens, including domestic and international investors in the supply chain of Development Minerals.

UGANDA

Mr. Joshua Sabiiti – Kyogo Mazinga (StoneCraft) Ltd.

Kyogo Mazinga (StoneCraft) Ltd was established in 2011. The enterprise deals in natural stone veneer and other stone products feeding an integral part of the building industry. Natural stone is cut in defined dimensions and sold for installation on the interior and exterior walls of buildings and floors. Some of

the residues are further tumbled to make pebble stone used for deco purposes. Mr. Sabiiti applied for and received a small grant to utilize the bi-product of the Stone Dust from processing stone veneer, for the production of tiles, in a classic case of upcycling. In this example of leveraging the circular economy, Mr. Sabiiti is using this accumulated Stone Dust for tile manufacture, eliminating the environmental hazard of the dust, while expanding product lines for increased revenue and job creation.

- **Impact of small grant:**

Environmental impact assessment: The small grant enabled Mr. Sabiiti to carry out a comprehensive environmental impact assessment of his enterprise, which informed the decision to start a new production line, through the upcycling of stone dust, and contribution to the circular economy.

Employment creation/stabilization: One full-time Mineral Utilization expert has been employed to guide and train 37 employees on processes and design for the manufacture of the new product line - stone veneers – from Stone Dust.

Improved income/revenue: The new products led to Mr. Sabiiti receiving orders to supply regional markets including from Rwanda and Kenya, thereby improving his income/revenue, while stabilizing and improving the incomes and livelihoods for 544 artisanal and small-scale miners in his production supply chain. 153 of these miners are women.

Increased production of stone veneers at Kyogo Mazinga (StoneCraft) Ltd



Transforming stone dust into tiles at Kyogo Mazinga (StoneCraft) Ltd



APPENDIX I: MANAGEMENT ARRANGEMENTS

Programme Steering Committee

Since the inception of the programme, the Programme Steering Committee (PSC) is the main policy body overseeing programme implementation. The PSC operates by consensus with the following mandate: 1) provide strategic and policy guidance; 2) take management decisions guiding programme implementation; and 3) monitor progress in the execution of the Programme. The PSC reviews the progress of programme implementation; makes decisions on major issues such as reviewing and endorsing changes in beneficiary countries (or discontinuation of operations) or in the Programme's methodology; and issues recommendations when needed.

The PSC serves as a channel for inter-institutional linkages and performs a coordinating, as well as an oversight function ensuring that Programme activities are undertaken effectively and efficiently during implementation. The membership of the steering committee consists of: representatives from the ACP Secretariat; representatives from the European Commission; representatives from UNDP; and as desired, representatives from ACP Regions, with observer status. The PSC meetings are chaired by the ACP Secretariat.

During the period under review (2014-2019), the Steering Committee has held a total of six (6) steering committee meetings on the following dates: March 25, 2015; December 11, 2015; September 07, 2016; March 22, 2017; May 23, 2018; and 03, 2019.

The table below outlines the representation of the PSC during 2019.

Representation at the 6th Programme Steering Committee Meeting, 03 May (2019)

Institution	Representatives
European Union (DEVCO)	<ul style="list-style-type: none"> Mr. Antti Karhunen, Head of Unit, Private Sector DEVCO/C4 Mr. Sergio Piazzardi, Private Sector DEVCO/C4
ACP Secretariat	<ul style="list-style-type: none"> Mr. Viwanou Gnassounou, Assistant Secretary-General, SEDT Dr. Emagna, Private Sector & Investment Expert, SEDT Mr. Oumar Seck, Team Leader, Business ACP
UNDP	<ul style="list-style-type: none"> Mr. Pierre Harzé, Deputy Director, UNDP Brussels Dr. Degol Hailu, Programme Manager, UNDP Ms. Caroline Ngonze, Programme Specialist, UNDP

The key decisions and takeaways from this 6th Steering Committee meeting include the following:

- The success of the International Conference on Artisanal and Small-Scale Mining and Quarrying (ASM18) held from 11-13 September 2018 in Livingstone, Zambia was acknowledged. ASM18 was important to increase the profile of the minerals sector, and all the ACP member states got excellent feedback about the ACP-EU Development Minerals Programme.

- The European Commission (EC) viewed the ACP-EU Development Minerals Programme as a successfully implemented tripartite programme considering the significant achievements attained thus far. The Programme has potential linkages with other European Commission programming for the minerals sector such as the *Circular Economy* involving Lithium and Cobalt. This has provided a huge opportunity to improve competitiveness while also aligning with the transition to a green economy.
- Enhanced south-south cooperation and knowledge sharing would also be a key feature of the second phase of the programme, with the 6 focus countries from the first phase of programme implementation taking on a central role in this. Emphasized that the EDF committee has already approved Phase II of the ACP-EU Development Minerals Programme, with a bigger focus on ensuring gender-responsiveness of the programme, including 50% involvement of women in programme interventions.

Technical Committee

The Programme Technical Committee provides advice on the production of the Programme's knowledge products and technical support. The committee consists of globally recognized specialists in the fields of mining and sustainable development, representing the range of thematic areas addressed by the Programme: geology, mine and quarry management, community relations, market analysis and investment promotion, health and safety and environment.

As indicated in previous programme reports, members of the Technical Committee are expected to:

- Review Programme training curricula, knowledge products and technical studies and provide timely advice and revisions.
- Provide advice on country-level implementation.
- Inform the Programme Team of opportunities to coordinate the Programme activities with other initiatives (past and present) and assist to form partnerships with technical institutions relevant to the Programme.
- Bring to the attention of the Programme Team cutting edge scientific and policy findings of relevance to achieve the Programme objectives.
- Provide support (knowledge and networks) to training participants in the implementation of Return-to-Work Plans in areas of interest to the Technical Committee Member.
- Distribute advertised Terms of Reference for training and technical consultancies to qualified experts and professionals.
- Distribute final knowledge products through professional networks and promote training events to interested parties.
- Attend online meetings of the committee and share meeting minutes with the UNDP Programme Team.
- Attend face to face meetings when necessary.
- Act as ambassadors for the achievements of Programme objectives.

In the period under review, the Technical Committee held one online consultation and one in-person meeting on 14 September 2018 after the hosting of the International Conference on Artisanal and Small-scale Mining and Quarrying (ASM18). This in-person meeting of the

technical committee was crucial in providing technical oversight, advice and direction on the key issues to be addressed by the Programme in the design and implementation of Phase II of the ACP-EU Development Minerals Programme. Some of the key takeaways from the plenary deliberations of the technical committee include the following:

Recommendations for the design of Phase II of the ACP-EU Development Minerals Programme:

- There was unanimous recognition from the Technical Committee members that the Programme has demonstrated the potential for Development Minerals to transform livelihoods, create jobs, accelerate overall development while significantly raising the profile of the Development Minerals sector at all levels.
- The need to design a second phase of the programme that balances capacity building activities and tangible benefits on “the ground” was highlighted. This will need to focus on improving the productivity and efficiency of the sector through support in the purchase of tools and equipment for the Development Minerals operators. The need to factor-in financing for the purchase of equipment and materials to support the government agencies and ministries partnering in the implementation of the program was raised. Partnerships with financial institutions was recommended to actualize this.
- Broadening in-country partnerships with academic and vocational training institutions to cement the spreading of the Development Minerals training curricula and the development of related short courses as required was discussed.
- Ensuring that the ASM operators are fully mainstreamed into the private sector using the business acceleration mechanism was recommended to ensure that the ASM are accorded all the business development services provided to other private sector players.
- Establishing a mechanism for partnering with the large-scale private sector in the implementation of the second phase of the program was also proposed.
- Strategies to deal with data access from government agencies, particularly for the Pacific region, need to be incorporated in the second phase of the programme.
- The crafting and formulation of Affirmative Procurement Policies and arrangements, particularly with government and private sector agencies charged with actualizing numerous housing and infrastructure projects, was recommended. This would ensure that a guaranteed percentage of the minerals and materials needed in the projects are sourced from SMEs operating in the Development Minerals sector.
- The need to continue aggressively de-bunking the perception that the Development Minerals sector is high-risk by financial institutions. Continued upskilling of the small-scale operators on the preparation of bankable proposals to access financing, while simultaneously intensifying awareness on the part of the financial sector about the low lending risk of the sector was recommended.

Country Working Groups

As indicated in the previous progress reports, a multi-stakeholder Country Working Group (CWG) had been established and is operational in each of the six focus countries comprised of public stakeholders from relevant ministries as well as local government officials; small-scale mining operators; civil society organizations; and business development entities. These Country Working Groups provide guidance on Programme delivery at the country level and meet quarterly (at the minimum). The general objectives of the Country Working Groups in the 6 focus countries remained the same during the period under review and included activities such as:

1. Support for the monitoring of Programme implementation through periodic activity reviews and updates as necessary;
2. Proposal of key stakeholders at the country level to be included in public and private dialogues;
3. Provision of guidance on key sectors and actors for collaboration at the country-levels;
4. The suggestion of entry-points for strategic policy influence in the Development Minerals sector;
5. Support for visibility and public awareness of the ACP-EU Development Minerals Programme to diverse audiences in accordance with their various mandates; and
6. Provision of input to the impact monitoring of quick wins from the implementation of Programme activities.

The Country Working Groups in the six focus countries continued meeting on a quarterly basis and provided oversight, guidance and support in the implementation of the ACP-EU Development Minerals Programme since their establishment in 2016.

UNDP Programme Management Team

The UNDP Programme Management Team, which was recruited at the onset of the Programme in 2015 is comprised of the following members with expansive and in-depth expertise in the extractives industry:

1. Dr Daniel Franks, Programme Manager, Brussels
2. Lacina Pakoun, Technical Advisor, Addis Ababa
3. Caroline Ngonze, Programme Specialist, Brussels
4. Asan Amza, Operations Associate, Brussels

The recruitment of 6 country coordinators to support the country-level implementation of the Programme in the focus countries was finalised in 2016. However, due to staff turn-over in Guinea, the Programme recruited a new country coordinator in 2017. The 6 country coordinators are listed below:

1. Mr. Josefa Caniogo, Coordinator – Fiji (Suva)
2. Mr. Moussa Charlot, Coordinator – Cameroon (Yaoundé)
3. Ms. Ruth Clarke, Coordinator – Jamaica (Kingston)
4. Ms. Hope Kyarisiima, Coordinator – Uganda (Entebbe/Kampala)
5. Mr. Lyapa Manza, Coordinator – Zambia (Lusaka)
6. Mr. Alpha Oumar Balde, Coordinator – Guinea (Conakry)

After the departure of the Programme Manager on 31 October 2018, Dr. Degol Hailu, UNDP's Global Extractives Advisor, assumed the management of the Programme to ensure a seamless transition in the Programme management and the run-up to the commencement of the second phase.

Monitoring and Evaluation

Results and Resources Framework

As in previous years, the Integrated Results and Resources Framework has been used as the basis for monitoring the Programme implementation in the period under review. The original Framework was updated during the inception phase and further refined following the

completion of the national consultation workshops and country-level roadmaps as detailed below. The Framework has not changed since.

Note: The indicators and target values for 2019 remained the same as 2018. Initially the Programme was planned to end in October 2018. Due to lengthy negotiations over Phase Two, the Programme, in 2019, focused on achieving even higher targets, monitoring and evaluation, addressing the recommendations made by the mid-term evaluation and developing the Phase Two programme documents.

Outcome 1: The small-scale operators in African, Caribbean and Pacific (ACP) countries operating in the Low Value Minerals and Materials (LVMM) sector have the technical and entrepreneurial capacity to enhance productivity.							#/%			
Outcome Indicators					Baseline	2016	2017	2018	Target (2018)	Final value (2019)
Number of ACP countries where artisanal, small-scale private operators, supported by public institutions, have better access to markets and operate more safely and sustainably.					0	6	8	41	50% (20 countries)	(102.5% 41 countries)
Number of ACP countries where artisanal, small-scale private operators, supported by the Programme, have entrepreneurial capacity increased.					0	6	8	41	50% (20 Countries)	(102.5% 41 countries)
Inputs: (ACP-EU Development Minerals Programme provides specific support for the following results)		Output Indicators (output indicators measure only those results from schemes, services, plans, and actions etc. which are specifically supported by ACP-EU Development Minerals Programme. The source of verification is the progress reports; activities reports and their annexes			2016	2017	2018	Target (2018)	Final Value (2019)	
Output 1: Operating standards and technologies improved in mines and quarries through enhanced technical knowledge in the small-scale private sector, associations/chambers, and public institutions in mine and quarry management.	1.1	Number of artisanal and small-scale enterprises with improved operating standards and technologies in mine and quarry management			350	588	249	200 (50 per Year)	(593.5% 1,187 (²⁰ Total programme figure)	
	1.2	Number of ACP countries where artisanal and small-scale private operators have been directly engaged in training			22	24	41	100% (40)	(102.5% 41 countries)	
	1.3	Number of public institutions with improved regulations and processes to support mine and quarry management			2	6	41	6	41 (All countries in regional programme)	
	1.4	Number of mining associations with improved programmes and activities to support mine and quarry management			18	78	123	10	123 (Cumulative programme figure)	

	1.5	Number of women's mining associations engaged in training and capacity building to enhance sector knowledge	18	33	20 ²¹	30	63 (Cumulative programme figure)
Output 3: Productivity, access to markets and working capital in the small-scale private sector increased through enhanced entrepreneurial skills.	3.1	Number of artisanal and small-scale mining enterprises with improved access to markets	9	588	201 ²²	50	798 (Total programme figure)
	3.2	Number of artisanal and small-scale mining enterprises with improved access to capital and equipment	9	588	201 ²³	50	798 (Total programme figure)
Outcome 2: Industry associations/chambers in ACP countries that represent small-scale private operators in the LVMM sector have capacities to fully support miners and provide them with services.							#
Outcome Indicators			Baseline	2016	2017	2018	Target (2018)
							Final value (2019)

²⁰ Total programme figure refers to the addition of figures for each of the years; while Cumulative programme figure refers to the increase accumulated over the previous years

²¹ **Regional:** Malawi Women in Mining Association (Malawi), FEMINA(Mali), AFEMET (Togo), Women in Mining (Ghana), Association of Female Executives of Trinidad and Tobago (T&T), MINIDEV (Niger), AWEK Association of Women in Energy Extractives in Kenya (Kenya), ART (Haiti), Women Minerals Association (Guyana), Association of women in Mining (Benin). **Country Level:** Uganda (Gulu women quarry association, Gulu Single Mother quarry association, Karamoja Women Umbrella Organisation Akija Youth and women Group, Mount Moroto Women Development Association); Cameroon (Association des femmes concasseuses de graviers); Zambia (Association of Zambian women in Mining (AZWIM), Amano Nimbuto, Pelekani Cooperative, Chiyambi Cooperative);

²² This figure corresponds to the number of country-level ASMEs who participated in the Enterprise skills training and who have prepared business plans. Close follow-up undertaken in 2019 to confirm the access to markets, capital and equipment, and the complementary inclusive finance initiatives. The figure does not include the number of miners who have been formalized by the programme who also have the potential for improved access to markets, finance and equipment.

²³ As above

% of Industry associations/chambers in ACP countries supported by the Programme which support small-scale private operators.			0	6	16	10	30% (12 countries)	(266.6% 32 countries (Total programme figure))		
Number of ACP countries where membership of Industry associations/chambers includes small-scale private operators.			0	6	20	9	50% (20 countries)	(175%) 3 countries (Total programme figure)		
Inputs: (ACP-EU Development Minerals Programme provides specific support for the following results)		Output Indicators (output indicators measure only those results from schemes, services, plans, and actions etc. which are specifically supported by ACP-EU Development Minerals Programme. The source of verification is the progress reports; activities reports and their annexes			2016	2017	2018	Target (2018)	Final value (2019)	
Output 2: Environmental, health, safety standards improved and human and labour rights better protected in artisanal and small-scale mining through enhanced technical and local knowledge of the small-scale private sector,		2.1	Number of industries associations/chambers engaged in capacity building of Small-Scale private operators on environmental, health, safety standards and human and labour rights			18	20	10 ²⁴	²⁵ 200 (50 per Year)	41 (Cumulative programme figure)
		2.2	Number of environmental programmes or standards put in place by mining or quarrying associations			6	20	51	12 (2 per Focus Country)	²⁶ 77 (Total programme figure)

²⁴ The 6 focus Countries, Ghana (Minerals Commission), Kenya (AWEIK), Tanzania (FEMATA) and Dominican Republic (Amber Association)

²⁵ Target needed revision as 1 industry association/chamber per regional programme country (41 countries) was the target.

²⁶ Participating countries put in place more than one programme or standard per country.

associations/chambers and public institutions.	2.3	Number of environmental programmes, standards or improved practices put in place by mining or quarrying operators	6	20	51	12 (2 per Focus Country)	77 (Total programme figure)	
Output 4. Value chains in low-value mining strengthened through networking and improved capacity of associations/chambers and public institutions to conduct market analysis and investment promotion.	4.1	Number of contracts made between artisanal and small-scale mining enterprises with enterprises downstream in the Development Minerals (LVMM) value chain (e.g. construction).	6	29	51	30	86 (Total programme figure)	
	4.2	Number of new mining associations established to support artisanal and small-scale miners	6	153	153	6 (1 per focus Country)	27153 (Cumulative programme figure)	
	4.3	Number of trade fairs and market promotion events supported/held	3	8	7 ²⁸	12	18 (Total programme figure)	
	4.4	Number of regulations on artisanal and small-scale mining applicable to Development Minerals put in place with input from industry associations and chambers	2	7	2	10 (25% of the 40 Participating Countries)	(26.8%) (Cumulative programme figure)	
Outcome 3: Public institutions in ACP countries in charge of the mining sector and mineral policies have capacities to regulate and create an enabling environment for small-scale private operators and their representatives						#		
Outcome Indicators			Baseline	2016	2017	2018	Target (2018)	Final value (2019)

²⁷ Multiple new mining associations in the same country were established and supported by the programme.

²⁸ Fiji, Uganda, Zambia (4) and ASM18

Ratio of ACP Countries with regulations on artisanal and small-scale mining applicable to Development Minerals in place or improved with support from the programme.			0	3%	20%	102.5% ²⁹	50% (20 countries)	(102.5% 41 countries)	
Ratio of ACP Countries with an increased percentage of resources (human/financial) allocated to support small-scale private operators.			0	3%	20%	102.5% ³⁰	50% (20 countries)	(102.5% 41 countries)	
Inputs: (ACP-EU Development Minerals programme provides specific support for the following results)		Output Indicators (output indicators measure only those results from schemes, services, plans, and actions etc. which are specifically supported by ACP-EU Development Minerals Programme. The source of verification is the progress reports; activities reports and their annexes			2016	2017	2018	Target (2018)	Final value (2019)
Output 1: Operating standards and technologies improved in mines and quarries through enhanced technical knowledge in the small-scale private sector, associations/chambers, and public institutions in mine and quarry management.	1.1	Number of public stakeholders trained on improved operating standards and technologies in mine and quarry management to increase sector knowledge			107	265	55	180	427 (Total programme figure)
	1.2	Number of mining and quarrying sites visited during “field visits” for skills, information and best practice sharing			³¹ 23	259	347	36	623 (Total site visits during programme)
	1.3	Number of public institutions with improved regulations and processes to support mine and quarry management			2	34	34	6 (1 per Focus Country)	34 (Cumulative programme figure)

²⁹ 41 countries that participated in the regional training programme and developed RWPs

³⁰ - 41 countries that participated in the regional training on enterprise skills, market analysis, investment promotion and value addition reported this.

³¹ 6 site visits in 2015 plus 17 site visits in 2016 = 23 site visits

	1.4	Number of public institutions with improved monitoring mechanisms to support mine and quarry operators	36	34	³² 110	40	110 (Cumulative programme figure)
	1.5	Number of public stakeholders involved in capacity building of Mine and Quarry operators on standards and technologies	107	265	237	180	609 (Total programme figure)
Output 2: Environmental, health, safety standards improved and human and labour rights better protected in artisanal and small-scale mining through enhanced technical and local knowledge of the small-scale private sector, associations/chambers and public institutions.	2.1	Number of public stakeholders trained on environmental, health, safety standards and human and labour rights to increase sector knowledge	107	205	20	180	332 (Total programme figure)
	2.2	Number of environmental programmes or standards put in place by public stakeholders as a result of Programme training	6	20	9 ³³	10	35 (Total programme figure)
	2.3	Number of environmental impact assessment reviewed, revised or strengthened to support Small Scale Private Operators	1	6	6	6 (1 per Focus Country)	6 (Total programme figure)
	2.4	Number Public Institutions enforcing Human and Labour Rights in Small Scale Mining Operations	6	34	³⁴ 41	40	41 (Public institutions from the 41 regional programme countries)

³² More than 1 public institution from different ministries in-country from the 41 regional programme countries.

³³ Cameroon (2), Guinea (4) and Uganda (3)

³⁴ 41 countries in the regional programme are monitoring human and labour rights as part of the workplan in the line ministry

Output 5: Access to geo-data in mining improved through enhanced technical knowledge, capacity and coordination among public institutions.	5.1	Number of experts qualified to produce and systematize geo data through capacity building by the Programme	0	107	265	100	265 (Cumulative programme figure)
	5.2	Number of products and maps with geo data produced.	0	10	10	6	10 (Total programme figure)
	5.3	Systems put in place for access to and sale of geo data	0	10	10	6	10 (Total programme figure)

Outcome 4: Civil society, communities and indigenous peoples have the knowledge to ensure that the mining sector meets the economic, social and environmental standards and violence conflict is prevented.

Outcome Indicators	Baseline	2016	2017	2018	Target (2018)	Final value (2019)
Number of Mine/quarry sites in ACP countries that are taking preventive or mitigation measures (such as better technologies and post-closure mine rehabilitation) throughout the mining lifecycle.	0	12	16	105	120	133 (Total programme figure)
Improvement in the % of the population in ACP countries living in the vicinity of mines who affirm they use of mediation as method of conflict/disputes resolution in their community	0	-	-	15%	10%	15% (Cumulative programme figure)
% of ACP countries with reported decrease of conflicts between Development Minerals miners, mining enterprises and local communities at local and national levels.	0	10%	15%	20%	50% (20 countries)	(85%) 3 countries (Total programme figure)
% of countries where participation of women and indigenous people in decision making, on conflict prevention in the mining sector, is institutionalised (e.g membership, quota system, rule of law)	0	10%	15%	20%	60% (24 countries)	(85%) 3 countries (Total programme figure)

								programme figure
Inputs: (ACP-EU Development Minerals Programme provides specific support for the following results)	Output Indicators (output indicators measure only those results from schemes, services, plans, and actions etc. which are specifically supported by ACP-EU Development Minerals Programme. The source of verification is the progress reports; activities reports and their annexes			Milestones 2016	Milestones 2017	Milestones 2018	Target (2018)	Final value (2019)
Output 2: Environmental, health, safety standards improved and human and labour rights better protected in artisanal and small-scale mining through enhanced technical and local knowledge of the small-scale private sector, associations/chambers and public institutions.	2.1	Number of social stakeholders ³⁵ trained on environmental, health, safety standards and human and labour rights to increase sector knowledge		62	94	200 ³⁶	150	356 (Total programme figure)
	2.2	Number social stakeholders involved in participatory community monitoring of environmental, health, safety standards and human and labour rights in mines and quarries		62	94	200	50	356 (Total programme figure)
	2.3	Number of social stakeholders involved in consultations on revision/establishment of environmental, health, safety standards and human and labour rights on mining and quarrying regulations		62	94	143 ³⁷	120	299 (Total programme figure)
Output 6: Risk of conflict between low-value miners, mining enterprises and local communities reduced by building conflict prevention, dialogue and mediation skills of miners, associations/chambers,	6.1	Number of community consultations on prevention of conflict in mining areas organized		10	10	4	12	24 (Total programme figure)
	6.2	Number of communities with established dialogue and participatory monitoring mechanisms		10	10	5	12	25 (Total programme figure)

³⁵ Social stakeholders include civil society, communities and faith-based organizations, and indigenous peoples

³⁶ Guinea (60) and Cameroon (140)

³⁷ Alumni from, Malawi, Zimbabwe, Tanzania and Ghana, Uganda, Zambia, Fiji

Public institutions and communities.	6.3	Number of communities with conflict analysis conducted	0	6	14	12	20 (Total programme figure)
	6.4	Number of communities with established grievance handling mechanisms	10	10	14	6	34 (Total programme figure)

Outcome 5: ACP countries benefit from exchange of knowledge and experiences through South-South learning and cooperation.

Outcome Indicators		Baseline	2016	2017	2018	Target (2018)	Final value (2019)
Number of ACP countries engaged in South-South learning and cooperation as a result of participation in Programme trainings and other events		0	47	50	49	20 % (8 countries)	(119.5%) 49 countries including those at ASM18
Number of Knowledge products and best practices case studies generated and disseminated from regional trainings to enhance south to south learning and cooperation		0	6	9	11	20	26 (Total programme figure)
% of Universities/Institutions adopting a module on Development Minerals as a result of the thematic Curriculum Sprints		0	18%	82%	60%	50 % (7 universities)	(300%) 4 universities and training institutions
Inputs: (ACP-EU Development Minerals Programme provides specific support for the following results)	Output Indicators (output indicators measure only those results from schemes, services, plans, and actions etc. which are specifically supported by ACP-EU Development Minerals Programme. The source of verification is the progress reports; activities reports and their annexes		2016	Milestones 2017	Milestones 2018	Target (2018)	Final value (2019)

Output 1: Operating standards and technologies improved in mines and quarries through enhanced technical knowledge in the small-scale private sector, associations/chambers, and public institutions in mine and quarry management.	1.1	Number of improved operating standards developed as a result of south to south learning and cooperation	6	20	89	20 (50% of participating countries)	³⁸ 89 (Cumulative programme figure)
	1.2	Number of comments on individual and group RTW plans on mine and quarry management by training Alumni	0	148	6³⁹	100 Capacity 4DeV	154 (Total programme figure)
	1.3	Number of downloads of resources on Mine and quarry management from Capacity4Dev ⁴⁰ Community of practice	0	254	31⁴¹	100	285 (Total programme figure)
	1.4	Number of cross-country RTW/initiatives plans developed on mine and quarry standards technologies	2 (Niger-Haiti and Cameroon-Congo)	0	4⁴²	6	6 (Total programme figure)

³⁸ This figure is larger than the 41 regional programme countries as some countries had improved operating standards by different line ministries with oversight for different thematic focus areas,

³⁹ Themes: [Mining, displacement and empowerment: Working with resettled women in Mozambique](#) (2), [The human Imagination and business development](#) (4).

⁴⁰ Capacity for Development (Capacity4Dev) is a sharing, learning and collaborating platform that is under use by the Programme to facilitate South-South cooperation and learning amongst the 40 participating countries through exchange of knowledge, experiences and best practices.

⁴¹ Documents most frequently downloaded: [Baseline Assessment of Development Minerals vol 2](#) (4), [Baseline Assessment of Development Minerals vol 1](#) (6), [Baseline Assessment of Development Minerals in Uganda](#) (13), [Baseline Assessment of Development Minerals in Jamaica](#) (22).

⁴² The 4 Focus Countries developed the same RWP after they attended training on Geo-data

Output 2: Environmental, health, safety standards improved and human and labour rights better protected in artisanal and small-scale mining through enhanced technical and local knowledge of the small-scale private sector, associations/chambers and public institutions.	2.1	Number of Universities/Institutions in regional Curriculum Sprint on environmental, health, safety standards and human and labour rights	0	18	N/A ⁴³	20	⁴⁴ 18 (Total programme figure)
	2.2	Number of environmental programmes initiatives or standards put in place by Programme stakeholders as a result of Knowledge Sharing Sessions	6	20	51	6	51 (Cumulative programme figure)

ACP-EU Development Minerals Programme Results and Resources Framework

⁴³ No regional Curricula Sprint was held in 2018.

⁴⁴ While only one curriculum sprint was held on one thematic area, participants from universities, research institutions and vocational training institutes took part in the regional and country-level training, leading to 42 universities delivering programme curricula.

Mid-term Evaluation (MTE)

An independent mid-term evaluation (MTE) was conducted in the first quarter of 2018. The MTE was conducted under the oversight of the ACP-EU Development Minerals Programme Steering Committee. The ACP Secretariat, European Union and UNDP each contributed to the Terms of Reference of the evaluation, participated in the recruitment of the independent evaluation consultant, hosted an inception meeting at the outset of the evaluation, received the inception report with the opportunity to review the evaluation methodology, were briefed on the preliminary findings, were interviewed as part of the evaluation and received the draft evaluation report for comment. The evaluation was authorized under terms of the Contribution Agreement (FED/2014/346-851) of the ACP-EU Development Minerals Programme and budgeted as part of the Action.

The MTE concluded that: “Overall, the ACP-EU Development Minerals Programme has recorded a high level of achievement and brought the understanding of a neglected sector and its potential to a more central space for policy dialogues. In this regard, it has been a truly ‘strategic’ project, and all stakeholders should be commended.”

The MTE found the programme to be “highly relevant” to ACP and EU private sector frameworks, such as the ACP-EU Joint Cooperation Framework on Private Sector Development in ACP Countries, and “highly consistent with the vision and goals of the Africa Mining Vision.” According to the MTE, “The Programme [has] had a significant positive impact in the ACP region...demonstrating strong performance in achieving the target outcomes.” It has “provided a valuable laboratory in which learning can be distilled from a number of the activities carried out.” The MTE specifically noted the “sheer scale of reach the Programme has achieved” and highlighted that the “Programme Management Team that has been able to manage an impressive range of activities across the Focus Countries and the Participating Countries, with significant reach across a wide range of stakeholders from the Development Minerals Sector.”

The MTE recommended that a successor programme further refine support and extension services to cooperatives and sharpen business acceleration. The MTE commended the “increased focus on supporting cooperative formalization and informal workers” in Phase I and recommended, “a significant acceleration” of the upscaling of local quarry workers in Phase II.

The report is available here: <https://bit.ly/2IRbBD3>

The recommendations of the mid-term evaluation build upon the results of the EU Results Oriented Monitoring (ROM) mission (D-24777) that was held between 20 March and 13 April 2017. Two evaluators visited 5 countries and interviewed 70 programme stakeholders. The ROM concluded that: “there is an enormous (quite rare) interest for this programme expressed

by all stakeholders in the countries as well as in the regional and central organizations involved,” the programme is “very well-designed”, with “a high level of ownership”, “demand-driven and strong alignment with national policies.” The ROM noted the enthusiastic demand by beneficiaries and called for a scaling up of committed resources.

The report is available here: <http://bit.ly/2BBOX6V>

APPENDIX II. RESPONDING TO IMPLEMENTATION CHALLENGES AND OPPORTUNITIES

Challenges

The main implementation challenge experienced by the Programme during the reporting period was the time lag in reaching decisions on key programme activities due to the busy schedules of Programme partners. For instance, scheduling challenges among partners resulted in the holding of one Steering Committee Meeting on 03 May 2019. Similarly, one Steering Committee Meeting was held in 2018 (23 May). To mitigate against adverse impact on Programme implementation, a technical meeting between the partners agreed that decisions on activities should be reached by consensus in less than five working days. Tripartite meetings of the technical experts continued to take place and a more formal one-day programme planning meeting was held on the side-lines of ASM18 in Livingstone, Zambia on 14 September 2018, where the government focal points and country coordinators of each of the six focus countries presented their reflections on what worked, lessons learnt and emerging best practices from the implementation of phase I of the Programme. This day-long meeting provided key insights into the design of phase II of the ACP-EU Development Minerals Programme. The meeting was attended by the ACP Secretariat and the European Commission as well as the UNDP Programme implementation team. Detailed minutes were recorded of the meeting.

One of the main changes introduced to the Action was in relation to programme management arrangements indicated earlier in this report. After the departure of the Programme Manager on 31 October 2018, Dr. Degol Hailu, UNDP’s Global Extractives Advisor, assumed the management of the Programme. This ensured a seamless transition in the Programme management and the run-up to the commencement of the second phase.

Opportunities

Outputs 4 and 5 show lower rates of budgetary expenditure for the following reasons.

First, the programme successfully engaged with partner organizations and mobilized extra financial resources. In the case of the final conference, The World Bank, ICGLR/German Cooperation, African Union, OECD, IGF, Kimberley Process (EU) and EITI/NRGI (Myanmar) covered the costs of 160 participants with US\$ 1,255,480. This has resulted in savings from the programme budget.

Second, whenever it was possible, two or more training sessions were combined to economize on travel costs. For instance, the trainings related to enterprise skills were

organized together with the final conference, this has allowed savings on travel as the participants attended both the training and the conference. Such efficiency gains allowed the delivery of programme outputs with lower costs.

Third, the positive EUR/USD exchange rate also allowed the programme to complete most of the work plan commitments/activities with lower costs than were planned. The exchange rate movements had significant impacts and explain the cost variations and savings in the budget.

Small grants related expenses under Outputs 4 and 6 were lower than budgeted. This is because the small grants were disbursed based on project proposals the training alumni submitted. The under- over-expenditures reflect the number of project proposals received.

APPENDIX III. REVISED WORKPLAN OCT 2014 – NOV 2019

PROGRAMME IMPLEMENTATION WORKPLAN (Activities: Original plan = Completed/implemented = 2018/9 work plan =)

Year	Year 1 (Oct 2014 - Oct 2015)				Year 2 (Nov 2015-Oct 2016)				Year 3 (Nov 2016-Oct 2017)				Year 4 (Nov 2017- Oct 2018)				Year 5 (Nov 2018 - Nov 2019)			
Activities	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Reporting period	2015 Annual report				2016 Progress report -				2017 Progress report				2018 Progress report				2019 Progress report			

Programme team recruited + 6 country coordinators																				
Select countries*																				
Organize inception workshop*																				
Design and conduct baseline studies*																				
Conduct value chain, market analyses, and poverty and social assessments in LVMM*																				
Organize consultative workshops with key stakeholders in LVMM*																				
Select training participants*																				
Conduct end-line studies**																				
Organize final workshop**																				
Undertake project monitoring and review***																				
Prepare training/workshop reports***																				

Prepare training materials																				
Conduct <u>regional</u> training and sensitization on environmental, health, safety and labour standards; UN guiding principles for business and labour rights; certification schemes																				
Conduct <u>country</u> training and sensitization on environmental, health, safety and labour standards; UN guiding principles for business and labour rights; certification schemes																				
Organize training by TOT trainees																				
Undertake legal reviews in selected countries to improve/develop health, safety, environmental and labour standards applicable for artisanal and small-scale enterprises in LVMM																				
Provide small grants and monitor results																				
Produce a Formalization Guide to support the formalization of miners.																				
Finalize Formalization Guide and disseminate																				
Output 3: Productivity, access to markets and working capital of the small-scale private sector in mining increased through enhanced entrepreneurial skills.																				
Prepare training materials																				
Conduct <u>regional</u> training on entrepreneurship skills (value addition, accounting, marketing, sales promotion, purchasing, market analysis, identifying potential value chain entry points)																				
Conduct <u>country</u> training on entrepreneurship skills (value addition, accounting, marketing, sales promotion, purchasing, market analysis, identifying potential value chain entry points)																				

Organize training by TOT trainees																			
Support development of coordination mechanisms in selected countries to support small-scale private enterprises																			
Provide small grants and monitor results																			
Prepare capacity development strategy, work programme for business support and acceleration programme (Phase II)																			
Pilot a business acceleration support framework																			
Output 4: Value chains in mining strengthened through networking and improved capacity of associations/chambers and public institutions to conduct market analysis and investment promotion.																			
Prepare training materials																			
Conduct <u>regional</u> training on market analysis and investment promotion, for domestic and external markets																			
Conduct <u>country</u> training on market analysis and investment promotion, for domestic and external markets																			
Organize training by TOT trainees																			
Produce investor guides, handbooks, information products																			
Organize technology exhibitions, business fairs, networking events																			
Organize public-private consultations on improving the regulatory environment																			

Conduct <u>country</u> level training on conflict sensitive mining – including: conflict risk analyses, how to set up effective grievance mechanisms, and community engagement based on FPIC																			
Organize training by TOT trainees																			
Conduct awareness on free, prior and informed consent principles in the vicinity of selected LVMM sites																			
Produce conflict sensitive community engagement toolkits based on FPIC																			
Produce information and communication products including online and mobile technologies as part of conflict early warning and transparency platform																			
Provide small grants and monitor results																			

*- activities at the inception phase

** - activities to the closure phase

*** - activities throughout the project implementation

APPENDIX IV: FINANCIAL STATEMENT

FINAL FINANCIAL REPORT (21 October 2014 – 27 November 2019)

See attached report.

APPENDIX V: LIST OF EQUIPMENT

purchased within the frame of "Agreement"# FED/2014/346-851 "Capacity building of mineral institutions and of small-scale private sector operating in low-value minerals in ACP countries"

Item#	Description of equipment/asset	Q-ty	Purchase value (USD)	Location	Beneficiary	Remarks
1	Laptop DELL Ultrabook Latitude E7250	2	1,359	UNDP Brussels	UNDP/LVMM	<p>Distributed to staff for programme implementation</p> <p>TO BE Transferred to Phase II</p>
2	Dell Latitude advanced Docking Station Euro 130W USB 3	2	115	UNDP Brussels	UNDP/LVMM	
3	Dell 22" P2213 black LCD monitor widescreen	2	180	UNDP Brussels	UNDP/LVMM	
4	Office Printer BizHUB C3350	1	2,090.71	UNDP Brussels	UNDP/LVMM	
5	HP Elite Desk 800 G2 SFF computer	2	849	UNDP Brussels	UNDP/LVMM	
6	HP EliteDisplay E232 23-In Monitor	2	169	UNDP Brussels	UNDP/LVMM	
7	HP Elite Desk 800 G2 SFF computer	2	843	UNDP Brussels	UNDP/LVMM	
8	HP EliteDisplay E232 23-In Monitor	2	210	UNDP Brussels	UNDP/LVMM	
9	Freecom ToughDrive USB 3.0 1TB Hard Drive	1	89	UNDP Brussels	UNDP/LVMM	
10	Phone (landline) Siemens OpenStage 30T	3	202.85	UNDP Brussels	UNDP/LVMM	
11	Phone (landline) One OpenStage 30T	1	222.83	UNDP Brussels	UNDP/LVMM	
12	Metal shelf anthracite L 85 cm Staten	1	92.24	UNDP Brussels	UNDP/LVMM	
13	Office chairs - Model - SIEGE 787 EDITION DOS RESILLE	7	298.83	UNDP Brussels	UNDP/LVMM	

14	Meeting chairs - CHAISE COLLECTIVITE MIRA	6	60.84	UNDP Brussels	UNDP/LVMM	
15	Mobile display, aluminium structure (H 168.5, W 38.2, L82.2)	1	387.44	UNDP Brussels	UNDP/LVMM	
16	Mobile drawer in melamine-treated wood. 3 sliding drawers	6	178.45	UNDP Brussels	UNDP/LVMM	
17	Office Desk for 4 people with accessories	1	1,378.87	UNDP Brussels	UNDP/LVMM	
18	Headsets. USB Plantronics Blackwire C720-M	5	105.58	UNDP Brussels	UNDP/LVMM	
19	Apple MacBook Air 13"	1	2,098	UNDP Brussels	UNDP/LVMM	
20	WLAN Router NETGEAR Nighthawk AC1900	1	145.90	UNDP Brussels	UNDP/LVMM	
21	Laptop DELL Ultrabook Latitude E7250 + accessories	1	2,218.80	UNDP Ethiopia	UNDP/LVMM	
22	Laptop HP Elite Book	1	2,201	UNDP Zambia	UNDP/LVMM	Distributed to staff for programme implementation TO BE Transferred to Phase II
23	Laptop Dell Latitude 7480	1	1,375.60	UNDP Fiji	UNDP/LVMM	Distributed to staff for programme implementation
24	Laptop Dell Latitude 7480	1	1,375.60	UNDP Fiji	UNDP/LVMM	
25	Monitor Dell 22 /P2217	1	164.40	UNDP Fiji	UNDP/LVMM	

						TO BE Transferred to Phase II
26	Laptop DELL Ultrabook Latitude E7270	1	4,028.40	UNDP Cameroon	UNDP/LVMM	Distributed to staff for programme implementation TO BE Transferred to Phase II
27	Printer Laserjet Pro MFP M177fw	1	833	UNDP Cameroon	UNDP/LVMM	
28	Digital Radio Motorola DP4801	1	569	UNDP Cameroon	UNDP/LVMM	
29	Projector Optoma DH1009	1	683	UNDP Cameroon	UNDP/LVMM	
30	Armoire de bureau Kano 80x40x200	1	288	UNDP Cameroon	UNDP/LVMM	
31	Bureau Kano plus retour 160X160X70 CM	1	401	UNDP Cameroon	UNDP/LVMM	
32	Chaise visiteur en tissu claire noir	1	307	UNDP Cameroon	UNDP/LVMM	
33	Fauteuil de bureau en PU claire noir	1	398	UNDP Cameroon	UNDP/LVMM	
34	Lampe bois/métal	1	40	UNDP Cameroon	UNDP/LVMM	
35	Table ronde de bureau	1	88	UNDP Cameroon	UNDP/LVMM	
36	Laptop LENOVO ThinkPad	1	1,722.44	UNDP Uganda	UNDP/LVMM	Distributed to staff for programme implementation
37	Laptop DELL Latitude E5270	1	1,471	UNDP Uganda	UNDP/LVMM	
38	Printer HP Laserjet Pro MFP M225	1	230	UNDP Uganda	UNDP/LVMM	
39	Mobile phone Samsung J	1	121.96	UNDP Uganda	UNDP/LVMM	

40	High back executive office chair	1	426	UNDP Uganda	UNDP/LVMM	TO BE Transferred to Phase II
41	Office table	1	145	UNDP Uganda	UNDP/LVMM	
42	Visitor chairs (2)	1	138	UNDP Uganda	UNDP/LVMM	
43	Mobile phone Digicel DL 910	1	104.18	UNDP Jamaica	UNDP/LVMM	Distributed to staff for programme implementation TO BE Transferred to Phase II
44	Laptop DELL Ultrabook Latitude E7470	1	1,714.31	UNDP Jamaica	UNDP/LVMM	
45	Digital Camera. Canon Power Shot EPH180	1	180	UNDP Jamaica	UNDP/LVMM	
46	Printer/Copier/Scanner HP LaserJet	1	484	UNDP Jamaica	UNDP/LVMM	
47	Dongle (Mobile) HUAWEI S/N E8372	1	56	UNDP Jamaica	UNDP/LVMM	
48	Desk – Computer workstation Chair – Executive Office	1 1	540.28	UNDP Jamaica	UNDP/LVMM	
49	UPS APC Pro-1000 (Backup power supply for office equipment)	1	156.65	UNDP Jamaica	UNDP/LVMM	
50	Office chairs- S/N 0703193 Guest Chairs	3	300	UNDP Jamaica	UNDP/LVMM	
51	Credenza table S/N SYG600-600D	1	175.73	UNDP Jamaica	UNDP/LVMM	
TOTAL			34,012.89			

52	Dell Poweredge R740 Server NAS Server: S/NW3008B017855	1	4,564.86	Jamaica	Mines and Geology Division, Ministry of Transport and Mining Jamaica	Transferred to final beneficiary within the frame of project implementation
53	DJI Phantom 4 Pro quadcopter Drone OAXCF49/OA30804 (Note: Insurance cost of drone of US\$1039.82)	1	3,271.52	Jamaica	Mines and Geology Division, Ministry of Transport and Mining Jamaica	
54	Laptop HP Probook 450G5 S/N:5CD8388Z74	1	1,066.09	Jamaica	Mines and Geology Division, Ministry of Transport and Mining Jamaica	
55	Tablet HP Promo Webcam Bluetooth 612 G2	1	2,292.34	Jamaica	Mines and Geology Division, Ministry of Transport and Mining Jamaica	
56	SAN Storage Cabinet Server Rack APCAR3100APC-Netshelter SX-42U (Enclosure with slides) Model#AU500APC34	1	1,520.62	Jamaica	Mines and Geology Division, Ministry of Transport and Mining Jamaica	
TOTAL			12,715.43			

#Items 1-51:

In line with the provisions of article 7.3 of the General Conditions, UNDP requests the Contracting Authority's approval to retain ownership of the equipment (items:1-51) under the framework of the above-mentioned Agreement to the following phase of the Action implementation under "Phase II: "Capacity building of mineral institutions and of small-scale private sector operating in low-value minerals in ACP countries"" (Ref: FED/2019/413-209).

APPENDIX VI: COMMUNICATION & VISIBILITY

COMMUNICATION AND VISIBILITY REPORT (21 October 2014 – 27 November 2019)

See attached report.

