



EU-UNEP AFRICA LEDS PROJECT

Inception Report

APRIL - SEPTEMBER 2016



PARTNERS



Reporting Period	04/2016 – 09/2016 (inception report/first status report)¹
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Description

ENRTP/ GPGC Strategic Priority	Climate Change	EC Directorate General	DG CLIMA
UNEP/MEA Programme of Work	UNEP PoW 2016-2017, 2018-2019		
Project's Title	EU – UN Environment Africa Low Emissions Development Strategies Project (short title: Africa LEDS Project)		
Geographic coverage	Cameroon, Cote d'Ivoire, DRC, Mozambique, Ghana, Zambia, Kenya and Morocco with a Sub-Regional and Regional wide component		
Date of EC –UNEP Agreement Signature date	15/03/2016		
Project Start Date	12/04/2016	Project End Date	11/04/2019
Overall project duration	36 Months		

Responsible Entity & Branch	UN Environment -Africa office
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¹ Please indicate if this is first or last report, and modify the start or end date accordingly.

1. Summary Project Status

Implementation of project activities planned for the current reporting period are on track. To ensure responsiveness to countries, and within the project framework as presented in the Project Summary Description, project implementation has been aligned to responding to country LEDS priorities and recent significant developments to safeguard the long term sustainability of project outcomes and impacts.

The adoption of the Paris Agreement constitutes the most significant development in LEDS interventions across the globe, and decentralizes to countries the responsibility of establishing their low emissions development priorities aligned to their socio-economic development priorities through the Nationally Determined Contributions (NDCs) process. Africa's performance in

the NDCs process is impressive (100% submissions to UNFCCC, 11 ratifications as of September 2016, including project partners Cameroon and Ghana becoming parties to the agreement). This represents significant country driven LEDS planning progress, documented priorities and political leverage that the project needs to build on.

Within this context, and feedback from country stakeholders expressed at project inception and consultation workshops, the project targets LEDS interventions that support countries in implementing their NDCs, while also ensuring a strong institutional and analytical foundation through LEDS planning. This approach ensures national ownership, country driven demand and alignment to country realities and priorities.

Component 1: LEDS planning and implementation support: In Cameroon, Cote d'Ivoire and DRC, the project has initiated the establishment of an enabling policy environment and analytical capacity for long-term LEDS planning and implementation in line with actualizing country priorities as established in the NDCs. These countries are implementing both component 1¹ & 2².

Component 2: LEDS-modelling support: Activities are soon to be implemented in partner countries of Ghana, Mozambique, Zambia, Kenya, and Morocco. The project intends to establish a robust analytical framework to guide long term LEDS policy and decision making towards the achievement of country socio-economic priorities and climate objectives anchored within their NDCs and Visions.

The project will also establish a robust sub-regional and regional peer-to-peer LEDS forum to facilitate the dissemination and knowledge sharing from project lessons, experiences and innovative approaches. The aim is to catalyze similarly aligned LEDS and NDC actions across the continent. The respective regional work will commence in 2017.

In addition, the project has started implementing the communication plan. The project website (<http://www.africaleds.org/>) is under construction (as of 5.10.2016) and a social media account (@Africa_LEDs) to enhance online promotion, real time progress updates and knowledge sharing across the continent and beyond has been setup.

In conclusion, considering that effective project implementation was launched in July 2016, due to time requirements to establish the contract with KNUST (as the lead for the Africa LEDS Partnership), the progress established in the 3 months to October 2016 is encouraging. In the coming months, the project is set to expedite progress, with country implementation teams mobilized and technical activities commencing.

¹ The first component aims at building the capacity of countries for LEDS planning, policy integration and implementation at sectorial and economy wide scales consistent with their respective climate objectives and socio-economic development priorities as contextualized in their NDCs. The aim is to put in place enabling policies and action plans to actualize these LEDS priorities. Component 1 will be implemented in Cameroon, Cote d'Ivoire and the Democratic Republic of Congo (DRC)

² The second component on LEDS modelling support focuses on tactical, technical and technological capacity building on LEDS modelling to provide a strong analytical framework to facilitate long-term LEDS policy decision making consistent with respective country climate objectives and socio-economic development priorities as contextualized in their NDCs, LEDS and development plans. Component 2 will be implemented in Cameroon, Cote d'Ivoire, DRC, Ghana, Kenya, Mozambique, Morocco and Zambia

2. Output Performance

The project has made substantial progress in setting up the implementation structure towards delivering requisite outputs under components 1 and 2. Country inception workshops have been undertaken in Cameroon (15/07/2016), Cote d'Ivoire (04/08/2016) and the DRC (30/09/2016) and all LEDS stakeholders including development partners and the EU country delegations were invited to these workshops. Cumulatively, these workshops convened nearly 300 LEDS stakeholders drawn from government (policy and technical stakeholders from Ministries of Environment, Agriculture, Forestry, Energy, Transport), Country UNFCCC focal points, academia, private sector, resident UN agencies (UN resident coordinator / UN country teams), NGOs, and other support institutions and donors - all engaged in various LEDS and NDC activities to ensure their planned/ongoing initiatives can be complementary and synergistic to the project.

Based on the consultative outcomes of the inception workshop, roll-out strategy and action plans for project activities have been developed for Cameroon, Ivory Coast and DRC. Based on these action plans, a two tier project implementation structure in partner countries is being established – involving (1) a ministerial level task force to coordinate overall project implementation and convene policy- level stakeholders for policy-related deliverables and (2) operational coordination to mobilize ground implementation partners and related deliverables.

To enhance communication & visibility, the project communication and visibility plan is being implemented. A project website is under construction and a social media account to enhance online promotion, real time progress updates and knowledge sharing has been setup. In addition, a project brochure and two-pager have been developed to support outreach and marketing for the project.

As a summary of the information above, Annex 2 captures current progress against the set project logframe outputs.

Main Activities Undertaken during the Reporting Period March-October 2016

A number of activities were undertaken in support of project implementation during the period under consideration. It is worth noting that though the contract entered into force on 12 April 2016, effective implementation activities commenced in July. Generally the project is on track to achieve all milestone targets outlined in the project log frame and the outputs of the various activities undertaken are summarized in Table 1. The following is a summary of the actions undertaken in support of project implementation for the period under consideration and the next steps presented by component and country.

Component 1: The first component aims at building the capacity of countries for LEDS planning, policy integration and implementation at sectorial and economy wide scales consistent with their respective climate objectives and socio-economic development priorities as stipulated in their NDCs. The aim is to put in place enabling policies and action plans to actualize these LEDS priorities. Partner countries are Cameroon, Cote d'Ivoire and DRC. The following key activities have been accomplished:

Key Activities Accomplished in Cameroon

- The inception workshop took place on 15/07/2016 convening over 100 LEDS policy and operational stakeholders drawn from government (policy and technical stakeholders from Ministries of Environment, Agriculture, Forestry, Energy, Transport), academia, private sector, resident UN agencies (UN resident coordinator / UN country teams), NGOs, and key support programs and donors - engaged in relevant LEDS interventions crucial to NDCs implementation to ensure their planned/ ongoing initiatives can be complementary and synergistic to the project.

The project was launched by the Ministry of Environment. In his statement he thanked UNEP, EC, participants, and private sector, National and international organizations for their commitment to actualize the low emission development pathway for Cameroon. He appreciated the good relationship between the government and development partners and the continent. He promised to personally ensure the success of the project.

A day prior to the workshop, face to face consultations were held with an array of officials including from line Ministries of Environment, Agriculture, Energy, Forestry, as well as UN country teams / Resident coordinators. These visits are usually planned earlier by the country teams lead by the UNFCCC Focal Point. The aim of the meeting was to introduce the project and get firsthand information on the LEDS progress and priorities in the country.

During the first day of consultations, at ministerial level, the Ministry of Environment welcomed the project but noted that it is time that support be directed at implementation of specific priorities documented in their NDCs. The Ministry of Energy and agriculture likewise welcomed the project. The Ministry of Agriculture pledged its full support to the Environmental department to ensure sustainability in land and forest management.

The UNRC, welcomed the project noting that it builds on the solutions to the shared challenges the UN as a whole is struggling to solve through implementing the SDGs as well as the Paris Agreement. The acting UNRC, knowing the national circumstances, advised the project team to set up a coordination committee including high level representatives of the relevant Ministries for guidance and a task force to deal with the technical aspects to ensure the success of the project. Furthermore, he reiterated his support from the UN system and indicated this should be captured through the UN Development Assistance Framework (UNDAF) for Cameroon.

The National Observatory on Climate Change (ONACC) was also visited. The Director and His Deputy of the institution affirmed his support to the LEDS process in the country. However, he reiterated concrete activities is what the country needs not just policy development plans and strategies, which has been the common practices in the past decade. All these stakeholders were reminded of their invitations to the inception workshop that had been sent earlier.

The second day of consultations was a stakeholders' workshop. The format of the workshop included discussions and presentations on the country's INDCs, NAMAs and LEDS analysis and technical/working sessions to identify priority sectors, support needs and potential institutions for collaborating especially on component 2. The working groups during the workshop discussed how the project could add value to what was already there within the framework of the Africa LEDS project. The working groups reported back to the plenary and it was so clear that the stakeholders were unanimous on the priority sectors and they were very clear on how they wanted support with their LEDS/NDCs implementation. These reports corroborated very well with the sentiments expressed during the bilateral engagements - provide support for project based activities and less on policy/strategy development but build on what was already there and fill the gaps.

It's through these inception workshop that the country identified priorities selected from their INDCs, NAMAs, LEDS policy for implementation support which will be informed and guided by technical analysis to ensure they are grounded on solid scientific analysis so as to develop a robust strategic planning framework grounded on these countries realities and priorities while at the same time supporting the implementation of INDCs, LEDS, NAMA etc. Stakeholder views demonstrate the unique priorities and level of LEDS development of the countries. The consultation meeting on day 1 and the consultation workshop on day 2 also served to mobilize policy level stakeholders and facilitate formation of a policy taskforce convening policy and technical stakeholders from Ministries of Environment, Agriculture, Forestry, and Energy. The policy task force will facilitate formulation of enabling cross-ministerial LEDS policies consistent with NDC and LEDS implementation.



- ▶ Based on the outcomes from the inception workshop and multi-stakeholder consultations, the roll-out strategy and action plan for project activities annexed to this inception report have been developed with input from technical partners and country partners and this is presented in Annex 3.
- ▶ A cross-ministerial task force is being established by the Ministry of Environment to convene policy & technical stakeholders in the Ministries of Environment, Energy, Forestry, Agriculture, and other key ministries required for NDC implementation. The task force will facilitate assessment of sectorial policies to identify gaps, as well as formulation of new cross-ministerial enabling policies. Operationally, it will be responsible for overall project coordination and progress monitoring at the country level.
- ▶ Mobilization and compilation of verifiable ground / operational level implementation partners near complete.

Next steps

- ▶ Execution³ plans to be developed by updating the agreed upon action plans to include clearly verifiable country level implementation partners and their respective rolls -Formation of ministerial task force to be finalized.
- ▶ Kick start of implementation of concrete technical actions based on the execution plan
- ▶ More information - verbatim presentations made at the workshop, are archived at the link below:
(<https://www.dropbox.com/sh/4ayen0w8jdfk6y/AACuLY2ITvkJmbMxPRQk8ftRa?dl=0>)

³ Execution plans involve updating and refining the action plans already agreed upon by all partners through filling in mobilized verifiable country level implementation partners and their respective rolls while reflecting country realities. the roll-out strategy and action plans for project activities serves as a structured guide to roll out the project and hence flexible. The project team will continue to refine them as we roll-out the project.

Key Activities Accomplished in Cote d'Ivoire

- ▶ Inception workshop undertaken on 04/08/2016 to launch the project convening over 100 LEDS policy and operational stakeholders drawn from government (Policy and technical stakeholders from Ministers of Environment, Agriculture, Forestry, Energy, Transport), academia, private sector, resident UN agencies (UN resident coordinator / UN country teams), NGOs, and key support program and donors - engaged in relevant LEDS interventions crucial to NDCs implementation to ensure their planned/ongoing initiatives can be complementary and synergistic to the project.
- ▶ -The project was launched by a representative of the Ministry of Environment. In his statement, lauded the project as an opportunity to fine-tune and implement Côte d'Ivoire low emissions development vision as captured in its NDCs. He noted the country is committed to low emissions development at the highest level, noting the participation in COP21 and the presidents signing of the Paris agreement in April 2016. He further reiterated the need to move from rhetoric to action, noting the existence of LEDS plans that lay the foundation for implementation works that this project should support, including key areas like modelling capacity building.

He pointed out the comprehensive “sustainable development and the emergence of Africa” publication, prepared by the Ministry of Environment in partnership with the UNDP, and endorsed by the president, a key work that informs the country’s NDCs. He also reiterated key sectors crucial to ensuring simultaneous socio-economic development i.e. food security and job creation and climate objectives, as outlined in their NDCs – agriculture, land-use, energy sector, and water resources (a subset of healthy ecosystems) and that the project should build on these already established progress. He noted that the country takes pride in launching the pilot activities and promised full support.



- ▶ As per the engagement and methodological approach for all the countries, the same was applied here. A day to the workshop, strategic meetings were held with the Minister of Environment and other policy stakeholders from the Ministries of Agriculture, Forestry and Energy who congregated at Environment Ministry as well as with the UN Resident coordinator (UNRC). The aim of the meeting was to introduce the project and get firsthand information on the LEDS progress and priorities in these countries and also as a reminder to these officials to participate in the upcoming workshop.

Speaking on behalf of policy stakeholders, the Minister welcomed the LEDS project as key to support the country in the implementation of the Paris Agreement and SDGs.

It was made clear that Côte d'Ivoire as many African countries are very aware that its emissions are negligible and that the priority is to leverage climate action to unlock socio-economic opportunities as the primary priority, and in the

process, climate objectives are met as offshoots. Hence, it is critical that climate action be targeted at catalytic sectors that will provide socio-economic benefits while simultaneously ensure fulfillment of climate obligations. He noted that the Côte d'Ivoire NDCs reflect these priorities. Among ideas, the use of clean energy in the agro-chain value was highlighted which can reduce the deforestation, create jobs and avoid deaths related to short lived climate pollutants (SLCP), all priority areas in the NDCs.

The Minister highlighted the need to harmonize all related initiatives in order to rationalize the resources and avoid duplication. To this end, building on already established progress it was noted the need for Ministry of Environment to build on the Prime Minister's inter-agency task force on NDCs, that coordinates activities of all ministries crucial to the project e.g. agriculture, environment, energy to coordinate monitor and evaluate project progress in Côte d'Ivoire. This interagency task force chaired by the Prime Minister is crucial to enable this project mobilize inter-ministerial level coordination for implementation activities.

The United Nations Resident Coordinator (UNRC) was also consulted. He welcomed the LEDS project and lauded its coordinated approach as timely in ensuring the harmonization of ongoing NDCs and LEDS activities, including those by the UNDP. He pointed out the need for capacity building, both technical and technological, which this project also targets. He noted the urgent need to demonstrate practicality of renewable energy and how it bridges the energy gap, hence inform studies and dissuade overreliance on unclean sources. The UNRC promised full support for this project.

The National Support Agency for Rural Development (ANADER), a public institution that cuts across ministries to actualize rural low emission development in Côte d'Ivoire was also consulted. The Director General of the institution affirmed his support to the LEDS process in the country, noting the experience ANADER has in transitioning from diesel powered irrigation to solar irrigation that will be vital in informing project interventions that feed back to policy in implementing NDC priorities. He also indicated how much better this project will help and fit into a food security project the Ministry of Agriculture is about to deploy across the county. He continued and reiterated implementation support of identified country LEDS priorities as documented in the NDCs is what the country needs and not additional arbitrary plans and strategies, which has been the common practices in the past decade.

- ▶ Based on the outcomes from the inception workshop and consultations meetings, the roll-out strategy and action plans for project activities have been developed in a participatory way with input from all partners and disseminated to country partners. This is presented under Annex 4.
- ▶ Inter Agency Task Force for NDCs implementation housed in Prime minister's office engaged to partner with project in building cross-ministerial consensus for enabling cross-ministerial policy process.

Next steps

- ▶ A cross-ministerial task force is being established by the Ministry of Environment to convene policy & technical stakeholders in the Ministries of Environment, Energy, Forestry, Agriculture, and other key ministries required for NDC implementation. The task force will work with inter-agency task team of the Prime Minister's office and will facilitate assessment of sectorial policies to identify gaps, as well as formulation of new cross-ministerial enabling policies. Operationally, taskforce will also be responsible for overall project coordination and progress monitoring at country level.
- ▶ Ground / operational level implementation partners being mobilized to form country teams
- ▶ Execution plans to be developed by updating the agreed action plans to include clearly verifiable country level implementation partners and their respective rolls -Contracting with country implementation teams to be undertaken
- ▶ Kick start of implementation of concrete technical actions based on the execution plan

More information - verbatim presentations made at the workshop, are archived at the link below:

<https://www.dropbox.com/sh/julk1aj7nh9kkq3/AAAu3RC2943DBO> **Key Activities Accomplished in DRC**

- Inception workshop undertaken on 30/09/2016 convening over 50 LEDS policy and operational stakeholders drawn from government (Policy and technical stakeholders from Ministers of Environment, Agric., Forestry, Energy, Transport), academia, private sector, resident UN agencies (UN resident coordinator / UN country teams), NGOs, and key support programs and donors - engaged in relevant LEDS interventions crucial to NDCs implementation to ensure their planned/ongoing initiatives can be complementary and synergistic to the project.



- Prior to the workshop, strategic meetings were held with the Minister of Environment and other policy stakeholders from the Ministries of Agriculture, Forestry and Energy as well as with the UN Resident coordinator (UNRC). The aim of the meeting was to introduce the project and get firsthand information on the LEDS progress and priorities in these countries and also as a reminder to these officials to participate in the upcoming workshop.

On 27th September, the consultations started with a technical meeting with the Focal Person of the UNFCCC focal point who is with the Ministry of Environment to debrief on the LEDS progress made by the country across sectors. It was found that the DRC developed, in addition to the NDC a policy on LEDS with the support of UNDP from 2012 to January 2016.

The consultations extended to a meeting with the Permanent Secretary of the Ministry of Environment to update him and his team on the project objectives including the main components of the project. He welcomed the project and noted the need for the project to fit into the country's development vision through the NDC and development vision plan. The Permanent Secretary indicated the commitment of his ministry to ensure the success of the LEDS activities and particularly those aligned to support in implementation of the Paris agreement, particularly the DRC's INDC.

The Ministry of Planning and the Ministry of Energy were also met to introduce the project. The Ministry of Energy indicated its engagement to support the ministry of environment in the LEDS project as they have been involved in the development of the LEDS Policy funded by UNDP. Their hope is to move to concrete actions which can help to implement the priority actions identified in the LEDS policy as well as in the NDC. Coordination aspect was raised by the ministry as a key area of need in the country. To that, UNEP recalled that, the entry point of the UN environment is the Ministry of Environment and the project will be under the coordination of this ministry but working with all stakeholders to ensure inclusivity and consultation of relevant partners in the country.

The Permanent Secretary of the ministry of planning saluted the project support as it fits into the new development plan of the country, which clearly make the climate change, green growth a key area. The ministry of planning intends to ensure the consideration of LEDS activities clearly mainstreaming into the policy and well implemented. To conclude, the Permanent Secretary, called upon the Ministry of Environment to ensure that the cross-cutting coordination task force is well constituted. She noted that it will be valuable to have high and appropriate representatives of ministries seating at the Coordination task force to really contribute to the work. She recommended to clearly state the role and responsibilities of the Task force and its members to ensure that nominees are appointed accordingly.

The UNDP country office was also visited. The Country Director promised full support to the LEDS project as its organization has already supported the country in the development of a policy on the same area. After the introduction of the project objective and components, the Country Director especially pointed out the peer-to-peer learning aspect of the project as timely.

- ▶ Based on the outcomes from the inception workshop and consultations meetings, the roll-out strategy and action plans for project activities was developed for dissemination to technical partners and finally to country stakeholders. This is presented in Annex 5.

More information - verbatim presentations made at the workshop, are archived at the link below:

https://www.dropbox.com/sh/93343s8c7o07lga/AABZ9PYnxNao1ntL_VEGtRA5a?dl=0

Next steps

- ▶ A cross-ministerial task force to be established by the Ministry of Environment to convene policy & technical stakeholders in the Ministries of Environment, Energy, Forestry, Agriculture, and other key ministries required for NDC implementation. The task force will facilitate assessment of sectorial policies to identify gaps, formulation of new cross-ministerial enabling policies, and alignment to high level national development planning as coordinated under Prime Minister's office. Operationally, it will be responsible for overall project progress coordination and monitoring at country level.
- ▶ Ground / operational level implementation partners to be mobilized to form country teams
- ▶ Execution plans to be developed by updating the agreed action plans to include clearly verifiable country level implementation partners and their respective rolls
- ▶ Contracting with country implementation teams to be undertaken
- ▶ Launch of implementation activities

Component 2: The second component focuses on tactical, technical and technological capacity building on LEDS modelling to provide a strong analytical framework to facilitate long-term LEDS policy decision making consistent with respective country climate objectives and socio-economic development priorities as stipulated in their NDCs, development visions and LEDS plans. All 8 partner countries will engage in this component. No inception workshops will be held for this component rather direct country scoping visits by project technical team to establish the in-country technical team. This will be directly with select country technical institutions (government, academic/think tanks etc.) and government line ministries' technical departments based on NDC and LEDS priorities and other strategies prioritized by countries e.g. NAMAs. Capacity will be built at the national level on use of key models and analytical frameworks aligned to established priorities for robust LEDS and NDCs. Capacity building will then occur at the sub-regional and regional scale building on lessons from the country-specific activities. At the national level, government technical departments in respective line ministries responsible for implementing particular priorities of NDCs will be involved together with select technical institutions preferably academic or think tanks but with regional repute in LEDS modelling capacity building (training workshops, technology transfer & physical demonstration of using adapted models). NREL, in partnership with a broader technical team, will lead in these capacity building activities. At the sub-regional & regional levels, these technical institutions (academic / national think tanks etc.) will be involved in leading the sub-regional & regional peer-learning forums. So the selection of academic / technical institutions in countries should take into account that selected institutions should be regionally reputable.

These activities will result in technological, technical and tactical capacity built, and verified by among metrics:

- ▶ Transfer of relevant modeling knowledge and expertise as well as customized modelling software and hardware as applicable to technical teams in govt. -Training and demonstration on how to use these models.
- ▶ Select suit of model(s) most relevant to country priorities as established in NDCs integrated into decision making processes in countries.
- ▶ Establishment of GHG emissions baseline among other tangible activities undertaken by country technical teams with support from project technical team as demonstration of improved modelling capacity.

Key Activities Accomplished in Cameroon

- ▶ Inception workshop undertaken on 15/07/2016 covered component 2 as it convened technical stakeholders from government (Ministers of Environment, Agric., Forestry, Energy, Transport), academia, think tanks, NGOs engaged in various LEDS modelling actions.
- ▶ Strategic meetings to mobilize political support for modelling activities undertaken with key stakeholders in Ministry of Environment, Agriculture, Energy, Transport , Planning and Rural development
- ▶ The roll-out strategy and action plan developed and disseminated to country partners
- ▶ Cross-ministerial task force being constituted by Ministry of Environment to coordinate technical activities and facilitate their policy linkage

Next steps

- ▶ Technical scoping to facilitate the constitution of country technical modelling team
- ▶ Execution plans to be developed by updating the agreed action plans with clearly verifiable country implementation partners and their respective rolls.
- ▶ Launching implementation activities – trainings, technical & technological backstopping of country technical modelling team

Key Activities Accomplished in Cote d'Ivoire

- ▶ Inception workshop undertaken in on 04/08/2016 covered component 2 as it convened technical stakeholders from government (Ministers of Environment, Agric., Forestry, Energy, and Transport), academia, think tanks, NGOs engaged in various LEDS modelling actions.
- ▶ Strategic meetings to mobilize political support for modelling activities undertaken with key stakeholders in Ministry of Environment, Agriculture, Energy, Transport
- ▶ Inter Agency Task Force for NDCs implementation housed in Prime minister's office engaged to partner with project in building cross-ministerial consensus for relevant modelling activities.
- ▶ The roll-out strategy and action plan developed and disseminated to country partners
- ▶ Cross-ministerial task force being constituted by Ministry of Environment to coordinate technical modelling activities and facilitate their policy linkage

Next steps

- ▶ Technical scoping mission to facilitate the constitution of country technical modelling team
- ▶ Execution plans to be developed based on action plans clearly capturing verifiable country implementation partners and their respective rolls
- ▶ Launching implementation activities – trainings, technical & technological backstopping of country technical modelling team

Key Activities Accomplished in DRC

- ▶ -Inception workshop undertaken in on 30/09/2016 covered component 2 as it convened technical stakeholders from government (Ministers of Environment, Agric., Forestry, and Energy, the leading priority areas), academia, think tanks, NGOs engaged in various LEDS modelling actions.
- ▶ Strategic meetings to mobilize political support for modelling activities undertaken with key stakeholders in priority ministry of Environment, Agriculture, Planning, Energy, and forestry
- ▶ Secretary General in Ministry of Planning mobilized in support of project to ensure Prime Minister's office, responsible for overall country development engaged to partner with project in building cross-ministerial consensus for relevant modelling activities.
- ▶ The first draft roll-out strategy and action plan developed for input circulation to project technical partners
- ▶ Cross-ministerial task force being constituted by Ministry of Environment to coordinate technical modelling activities and facilitate their policy linkage

Next steps

- ▶ Based on the outcomes from the inception and consultations workshop, the first draft roll-out strategy and action plan developed to be circulated to technical partners in coming days and finalized version to country partners in coming weeks
- ▶ Technical scoping mission to facilitate the constitution of country technical modelling team
- ▶ Execution plans to be developed based on action plans clearly capturing verifiable country implementation partners and their respective rolls-Launching implementation activities
- ▶ trainings, technical & technological backstopping of country technical modelling team

Sub Regional and Regional peer-to-Peer Knowledge Sharing Forums – The Approach

While these are yet to be operationalized, this report documents the intended approach.

The peer-to-peer learning and knowledge sharing forums are crucial for replication and up-scaling of project lessons and successes. They aim for project policy and technical lessons & knowledge sharing at sub-regional and regional scales. The Sub-Regional and Regional knowledge sharing components of the project will be led by the Africa LEDS Partnership in coordination with UN Environment as project managers.

At the sub-regional level, the AfLP and other project technical partners in coordination with the UN Environment will team up with leading and willing regional technical institutions drawn from West, East, Central, Northern and Southern Africa to undertake sub-regional training and knowledge sharing forums. These technical institutions will lead activities to present and share project policy & technical lessons and innovative practices to catalyze implementation of key LEDS actions as encapsulated in NDCs across the sub-regions.

At the regional level, a regional peer learning forum will be organized. This will involve each of the trained sub-regional technical institutions in collaboration with the project technical teams and UN Environment coordination to organize a continental peer-learning and training forum convening LEDS stakeholders drawn from across Africa. The aim will be to share the project and sub-regional forum lessons, experiences and innovative approaches. Hence catalyze implementation of key LEDS actions as encapsulated in NDCs across the continent.

3. Challenges, Management actions, Risk Management Approach

Challenges and Management Actions

There was a delay between the date of official contract signing and actual availability of funds to kick-start project. This was occasioned by internal due diligence processes. In response, project manager and team managed to cover for lost time by conducting the necessary background work in terms of researching country conditions, making initial contacts with country government ministries, policy and operational level partners as preparatory work to ensure launching of substantive work immediately upon availability of funds.

The second challenge related to the need to streamline project activities to ensure clarity in alignment with country priorities and realities. Initial contacts with countries revealed the imperative to un-package LEDS in the context of actualizing country socio-economic development priorities and its contribution to macro-economic growth which remain the primary priorities in countries. This link seemed to be unclear. Clarity was crucial to establish political buy-in, country-driven-ness, and ownership of project, by ensuring it feeds into high level, established LEDS priorities in the country thus safeguarding the project's outputs and outcomes over the long term. The project being implemented after passage of the landmark Paris Agreement universally adopted by all countries meant it could, within its framework, be aligned to implementing established country LEDS priorities contextualized to socio-economic development imperatives as contextualized in the NDCs. Management action was therefore to enhance prominence of the projects alignment to directly supporting implementation of country NDCs, which are documented, demand-driven LEDS priorities given there direct linkage to socio-economic development imperatives of achieving food security, job creation, and economic expansion, which remain the leading priorities. This was done within the agreed upon project framework document. This demonstrated the much needed project relevance and facilitated political support in countries given the high priority partner countries have allotted to NDCs implementation.

It also ensured the balance between country desires for project implementation to support achievement of direct socio-economic metrics was achieved alongside the requirement for a strong LEDS institutional and analytical framework to ground long-term LEDS development. The project team is therefore working to develop a complementary approach to ensure both critical LEDS elements and implementation plans are incorporated with the country-driven action plans.

Risk Management Approach

Risk averseness is built into the project approach, targeted at mitigating against 2 most common risks in development partner funded projects in Africa. These are

1) Immovable government regulations acting as barrier to aspects of project implementation

- ▶ To mitigate against this risk, the project is pinned on delivering a high priority issue in countries. This priority issue is supporting countries implement the Paris agreement in accordance with their established socio-economic priorities as contextualized in respective NDCs. It is worth noting that the Paris Agreement is signed by the Heads of States in respective countries and NDC implementation is a presidential decree in some countries. For instance, Cote d'Ivoire has an NDCs Inter-Agency taskforce chaired by the Prime Minister.
- ▶ In addition, NDCs implementation requires cross-ministerial engagement. The project implementation is premised on mobilizing wide policy level support cutting across various ministries as opposed to an approach where the project is delivered through only one ministry. This facilitates cultivation of project support across a number of ministries.

2) Lack of funding for up-scaling - leading to less than anticipated up-take

To mitigate against this risk, the project is set to build on, complement and synergize already established LEDS progress in the respective countries to ensure outcomes fit into a wider LEDS process in countries.

The project is also collaborating with established LEDS implementation partners to ensure uptake of project lessons and outputs by various partners.

To actualize these linkages, the project is utilizing inclusive country-driven framework initiatives that mobilize and convene broad-based policy level and non-state LEDS stakeholders in private sector, academia, NGOs, other UN agencies towards ensuring lessons and outputs feed into larger, country driven, multi-stakeholder LEDS processes hence safeguard long term sustainability of outcomes. Coordination is through government but working with all relevant institutions and relevant UNEP initiatives as well as others and including both state and non-state actors as per section 5 of the Paris Agreement. This is crucial to ensure policy support and policy uptake leading to sustainability as well as optimal impacts.

In addition, a technical advisory committee is being established to bring together a broader set of funding institutions and technical partners in the region. This will allow the team to explore opportunities to collaborate, leverage funding, and consider support over the longer term. A concept note for this committee has been established and the committee is expected to be convened in early 2017. The committee will be led by the Africa LEDS Partnership in collaboration with the LEDS GP.

4. Project Expectations

After just 3 months of activity, the project narrative has set the tone for implementation of the Paris agreement through country owned and prioritized activities through its approach of moving from “intended” to “Implemented” on the NDCs. This is crucial. It is expected that by the end of project implementation there would be major impacts, on four fronts:

- ▶ Improved enabling plans, policies and implementation actions realizing NDC commitments and clearly demonstrating how LEDS actions unlock fundamental socio-economic development priorities of clean energy, food security, job creation and macro-economic growth amongst many others.
- ▶ Established strong analytical framework, comprising technical, tactical and technological capacity to facilitate long-term LEDS policy decision making consistent with respective country climate objectives and socio-economic development priorities as stipulated in their NDCs.
- ▶ It will facilitate strong LEDS and NDC action by country stakeholders, both state government through ministry policies, plans and actions, and non-state actors in private sector, academia and other non-governmental as called for under section 5 of the Paris agreement, following project lessons on how LEDS can unlock socio-economic development opportunities for these diverse stakeholder groups.
- ▶ Catalytic sub-regional and regional impacts on the above metrics following on project lessons and experiences.

5. Inter-linkages and synergies with other projects from same UN Environment sub-programme / MEA secretariat funded under DG Env and DG Devco, ENRTP SCAS / GPGC PCAS

Partnerships are being built through leveraging framework initiatives in countries that already convene multiple LEDS stakeholders. Under this, for instance, the project will synergize with on ongoing work by the Climate and Clean Air coalition project of the UN Environment in Cote d'Ivoire towards delivering on the country's NDC priority of significantly reducing short lived climate pollutants by 2018.

Beyond this, the following initiatives outside UNEP will be crucial to building synergy and avoiding overlaps.

- ▶ USG NDC Leadership Compact – potential for collaboration in Kenya under the Compact on implementation and finance related activities
- ▶ UNDP – Potential for collaboration in DRC as they begin phase 2 LEDS activities in 2017.
- ▶ ECN – Plans in place to build on modelling efforts across Africa
- ▶ JRC - There are opportunities to collaborate with JRC on regional workshops where JRC regional modeling work could be presented including AFRETEP.

6. Resources and budget

- ▶ Project Cooperation Agreements (PCAs) being concluded between UN Environment and technical implementation partners. The PCAs between UN Environment and Africa LEDS partnership (AfLP) has been concluded while PCA between UN Environment and NREL is being finalized.
- ▶ Overall, expenditures against the budget by end of 2016 are on track. To ensure optimal rollout of activities and full allotment to partners, the second tranche is requested.

7. Project visibility

The communication & visibility plan is being implemented.

- ▶ Project website is being developed in a collaborative process with partners (<http://www.africaleds.org/>).
- ▶ Online project promotion beyond the website - social media account (@Africa_LEDs) to enhance online promotion, real time progress updates and knowledge sharing has been setup.
- ▶ Project brochure and two-pager developed
- ▶ Plans and agenda developed for public event at COP-22 at the Africa Pavilion. The first Steering Committee of the Africa LEDS project, planned for 11 November 2016, and meetings of the LEDS Global Partnership on 12 November and 14 November equally at COP22 Marrakesh.

8. Final Remarks and Way Forward

Work plan for the next reporting period:

PLANNED ACTIVITIES FOR THE NEXT PERIOD (OCTOBER 2016 TO APRIL 2017)

Project component	Project Outputs	Indicators	Means of Verification	Planned activities
Component 1: LEDS planning and Implementation Support	New LEDS initiatives developed or improved	3 partner countries develop or improve LEDS plans	LEDS plans prepared by the countries	<ul style="list-style-type: none"> - Cross-ministerial task forces convening policy & technical stakeholders in ministries relevant for NDC implementation to be constituted by Ministry of Environment in the 3 countries -Execution plans to be developed based on action plans clearly capturing verifiable country implementation partners and their respective rolls -Contracting with country implementation teams to be undertaken -Launch of implementation activities
	Implementation of specific LEDS measures initiated	3 partner countries initiate formulation and implementation of LEDS measures for key emissions sectors or economy wide	National and sectorial policy documents and plans and progress reports	<ul style="list-style-type: none"> - Cross-ministerial task forces convening policy & technical stakeholders in ministries relevant for NDC implementation to be constituted by Ministry of Environment in the 3 countries -Ground / operational level implementation partners to be mobilized to form country teams -Execution plans to be developed based on action plans clearly capturing verifiable country implementation partners and their respective rolls -Contracting with country implementation teams to be undertaken -Launch of implementation activities

Project component	Project Outputs	Indicators	Means of Verification	Planned activities
	Enhanced global and regional knowledge of LEDS planning and implementation	<p>At least 5 non-partner African countries actively participating in peer forums</p> <p>More than 1 non-partner country formulating LEDS plans based on shared project knowledge</p> <p>Non-partner countries develop and implement LEDS measures based on shared project knowledge</p>	<p>Survey to collect feedback from countries on use of knowledge and capacity to help strengthen their LEDS and INDCs</p> <p>LEDS plans developed by non-partner states</p> <p>LEDS shared by non-partner countries</p>	-Preliminary scoping for potential regional institutions of excellence to partner in peer forums
	LEDS champions cultivated	<p>At least 3 institutions identified as LEDS champions to lead LEDS and implementation peer learning efforts</p> <p>LEDS training and equipping of identified champions</p> <p>Partnerships formed between champions to facilitate peer learning</p>	<p>Written communication from champions on their engagement leading the peer learning efforts</p> <p>Peer learning efforts reports</p> <p>Active participation of champions in the LEDS online knowledge exchange platform</p>	-Subsequent periods

Project component	Project Outputs	Indicators	Means of Verification	Planned activities
Component 2: LEDS Modelling Support	LEDS actions prioritization and decision-maker support for priority LEDS measures significantly enabled	<p>Priority LEDS actions identified for 8 partner countries</p> <p>At least 8 countries with strengthened LEDS process as a result of prioritization process</p>	Results of the prioritization incorporated on LEDS and/or implementation plan	<ul style="list-style-type: none"> - Cross-ministerial task forces convening policy & technical stakeholders in ministries relevant for NDC implementation to be constituted by Ministry of Environment in the 8 countries -Development of a roll-out strategy and action plan -Technical scoping missions to 8 countries facilitate the constitution of country technical modelling team -Constitute country technical team -Development of execution plans clearly capturing verifiable country implementation partners and their respective rolls -Launching implementation activities – trainings, and technical backstopping of country technical modelling team
	Strengthened analysis and communication of LEDS benefits	<p>At least 8 countries with strengthened stakeholder support for LEDS process as a result of improved analysis and communication of LEDS benefits</p> <p>A LEDS in Africa website in place as a continental LEDS knowledge management platform</p>	Evidence of communication products developed and presented to key stakeholders (webinars, reports, newflashes, webpages, policy briefs etc. shared thro platform)	<ul style="list-style-type: none"> -Regular updates of website content with ongoing progress -Analysis implementation activities underway focused on assessing development benefits of LEDS and NDCs and to feed into broader communication materials and website

Project component	Project Outputs	Indicators	Means of Verification	Planned activities
	Improved LEDS modelling capacity	<p>LEDS models adapted for target high emissions sectors / economy wide</p> <p>Training of relevant personnel to lead LEDS modelling actions</p> <p>Partner country technical institutes conducting analysis with adapted models</p>	Evidence of countries having adapted and utilized one or more of the LEDS modelling tools to guide the evaluation and design of their LEDS	-Subsequent periods
	Improved regional and global knowledge	<p>At least 2 non partner countries report improved LEDS process due to peer learning forums and project knowledge products</p> <p>Non partner countries participate actively on LEDS modelling through knowledge platforms</p> <p>All 8 partner countries actively involved in LEDS modelling peer training & knowledge sharing</p>	<p>Survey to collect feedback from countries on use of knowledge and capacity to help strengthen their LEDS and INDCs</p> <p>Active knowledge sharing by non-partner and partner countries observed in knowledge sharing platforms (website, joint reports etc.)</p>	-Subsequent periods

Foreseeable Challenges

Currently, there are no particular foreseeable challenges that may pose a threat to the successful delivery of the planned project activities. Considerable time and effort has been dedicated by the project team and the country partners towards designing a concise work plan and agreeing on clear roles and responsibilities of participating government divisions and authorities, activities and their deliverables, priority areas and activities, including initial discussions on succession planning once the project comes to an end in 2019.

Expenditure Projections

In the coming period, major expenditures are expected to be incurred towards the establishment of country implementation teams under both components 1 & 2 and the launch of modelling trainings and technical backstopping particularly under component 2.

Final Remarks

The crucial lesson so far gathered in countries is the need to align project implementation to established country realities and priorities. As opposed to re-inventing the wheel. It is also crucial to build on established country progress to ensure optimal state level outcomes of project interventions. As opposed to implementing project in siloes.

In addition, in line with Articles 3 and 4(9) of the Paris agreement, NDCs represent documented, demand driven, long term LEDS priorities & plans by countries. These are endorsed by highest level political leadership – i.e. the Heads of State & Governments in respective countries.

Hence, pivoting the project to NDCs implementation support, while also building institutional and technical analytical framework for long-term policy planning, guarantees optimal long term sustainable impacts by

1. Ensuring project interventions target an established national priority, thus benefiting from political buy-in.
2. Capacity building and practical demonstration of how LEDS can actualize country social-economic development priorities and macro-economic growth which remain the leading priorities in countries to which NDCs are contextualized secures project relevance. This will enhance LEDS uptake in countries as it will demonstrate the relevance of LEDS to addressing leading priorities thus enhance their uptake across Africa and hence secure long term sustainability of project outcomes.
3. Supporting implementation of the Paris Agreement, a high level continental and global priority which paves way for project outputs to be linked to the many planned initiatives under these priority areas, hence ensure continuity after project termination.
4. Providing a robust technical, technological & institutional framework for long term LEDS policy planning contextualized to country socio-economic development priorities to ensure continuity of LEDS
5. Actualizing all project metrics as captured in the project log frame

As implied above, it is critical to ensure that robust institutional and analytical elements are supported and in place to enable NDC action prioritization and implementation over the long term. Hence, the project's focus on both the foundational LEDS planning and analysis elements, as well as implementation of crucial NDC actions as prioritized by countries.

9. ANNEXES

Annex 1 – Division of Labour

UN Environment- Africa office – UNEP has the overall responsibility of coordinating and managing the project as per the agreement signed with the European Commission. Responsible for project coordination both administrative and technical and aligning delivery to country priorities to ensure responsiveness to country priorities as per UNEP modus operandi and facilitate political buy-in of the project to safeguard long term sustainability of project outputs. Responsible for overall project strategic and operational guidance, alignment to regional political priorities and frameworks as well as implementation progress monitoring and follow-up.

Africa LEDS Partnership / KNUST – Lead in contracting country level implementation partners and working with countries to provide demand driven technical support. Lead for regional and sub-regional peer learning forum establishment and delivery of workshops and other regional and sub-regional activities. Lead for technical advisory committee convening donors and technical institutions engaged in similar work to support collaboration.

LEDS GP/NREL – Technical lead responsible for providing demand driven technical, tactical and technological support to country implementation team towards implementation of both components 1 & 2 of the project as well as support for sub-regional and regional peer learning forums.

ANNEX 2 - Project Progress by Outputs as per the Logframe in project Summary

Project component	Project Outputs	Indicators	Means of Verification	Progress made / results achieved
Component 1: LEDS Planning and Implementation Support	New LEDS initiatives developed or improved	3 partner countries develop or improve LEDS plans	LEDS plans prepared by the countries	- Policy and operational level partners for LEDS policy and planning mobilization ongoing and nearly finalized in 3 countries – Cameroon, Cote d'Ivoire and DRC - Action plans developed for the above 3 countries
	Implementation of specific LEDS measures initiated	3 partner countries initiate formulation and implementation of LEDS measures for key emissions sectors or economy wide	National and sectorial policy documents and plans and progress reports	- Policy and operational level partners for LEDS policy and planning mobilization ongoing and near finalized in 3 countries -Action plans developed for 3 countries

Project component	Project Outputs	Indicators	Means of Verification	Progress made / results achieved
	Enhanced global and regional knowledge of LEDS planning and implementation	<p>At least 5 non-partner African countries actively participating in peer forums</p> <p>More than 1 non-partner country formulating LEDS plans based on shared project knowledge</p> <p>Non-partner countries develop and implement LEDS measures based on shared project knowledge</p>	<p>Survey to collect feedback from countries on use of knowledge and capacity to help strengthen their LEDS and INDCs</p> <p>LEDS plans developed by non-partner states</p> <p>LEDS shared by non-partner countries</p>	<p>-Website developed as repository of project outputs and linked up with technical partners and other prominent LEDS actors across the globe</p> <p>-Twitter account set up for real time project progress updates and LEDS knowledge sharing across the globe</p> <p>- Brochure and two-page fact sheet developed for the project to serve as key marketing and outreach materials</p> <p>-A public event at COP22 based on project being organized and concept note and other material prepared</p>
	LEDS champions cultivated	<p>At least 3 institutions identified as LEDS champions to lead LEDS and implementation peer learning efforts</p> <p>LEDS training and equipping of identified champions</p> <p>Partnerships formed between champions to facilitate peer learning</p>	<p>Written communication from champions on their engagement leading the peer learning efforts</p> <p>Peer learning efforts reports</p> <p>Active participation of champions in the LEDS online knowledge exchange platform</p>	<p>Technical stakeholders from government and academia among critical stakeholders engaged at inception workshops in 3 countries. These stakeholders will be critical in forming the country technical teams to be engaged in the peer learning</p>

Project component	Project Outputs	Indicators	Means of Verification	Progress made / results achieved
Component 2: LEDS Modelling Support	LEDS actions prioritization and decision-maker support for priority LEDS measures significantly enabled	<p>Priority LEDS actions identified for 8 partner countries</p> <p>At least 8 countries with strengthened LEDS process as a result of prioritization process</p>	Results of the prioritization incorporated on LEDS and/or implementation plan	<p>- Policy and operational level partners for LEDS policy and planning mobilized in 3 countries</p> <p>-Action plans developed for 3 countries</p>
	Strengthened analysis and communication of LEDS benefits	<p>At least 8 countries with strengthened stakeholder support for LEDS process as a result of improved analysis and communication of LEDS benefits</p> <p>A LEDS in Africa website in place as a continental LEDS knowledge management platform</p>	Evidence of communication products developed and presented to key stakeholders (webinars, reports, newsflashes, webpages, policy briefs etc. shared thro platform)	<p>-Website developed as repository of project outputs</p> <p>-Twitter account set up for real time project progress updates</p>
	Improved LEDS modelling capacity	<p>LEDS models adapted for target high emissions sectors / economy wide</p> <p>Training of relevant personnel to lead LEDS modelling actions</p> <p>Partner country technical institutes conducting analysis with adapted models</p>	Evidence of countries having adapted and utilized one or more of the LEDS modelling tools to guide the evaluation and design of their LEDS	Forthcoming

Project component	Project Outputs	Indicators	Means of Verification	Progress made / results achieved
	Improved regional and global knowledge	<p>At least 2 non partner countries report improved LEDS process due to peer learning forums and project knowledge products</p> <p>Non partner countries participate actively on LEDS modelling through knowledge platforms</p> <p>All 8 partner countries actively involved in LEDS modelling peer training & knowledge sharing</p>	<p>Survey to collect feedback from countries on use of knowledge and capacity to help strengthen their LEDS and INDCs</p> <p>Active knowledge sharing by non-partner and partner countries observed in knowledge sharing platforms (website, joint reports etc.)</p>	<p>-Website developed as repository of project outputs and linked up with technical partners and other prominent LEDS actors across the globe</p> <p>-Twitter account set up for real time project progress updates and LEDS knowledge sharing across the globe</p>
Project component	Project Milestones:			Milestone progress (achieved / started / near complete / not started)
	Grant support agreements / contracts signed			Achieved / UNEP-technical partners contracts near complete
	Launch of the project at Africa LEDS Partnership event			
LEDS Planning and Implementation Support	Completed inception phase, established activities and launched implementation			Near complete
	Country specific support activities completed			Started
	Case studies developed and distributed			Not started
	Peer learning and networking activities completed			Not started
	LEDS country champions identified			Started
	Close out reports for each participating country published			Not started
LEDS Modelling Support	Inception phase completed, activities established and implementation launched			Started
	Suite of models to work with finalized - selection			
	Training of in-country modelling teams completed			Not started
	Training and capacity building of regional technical institutes complete			Not started
	Network of regional modellers, analysts as well as technical institutes for sustainability of project outputs formulated and installed			Not started
	Knowledge and communication products based on project on the benefits of LEDS developed and shared with global community			Not started
				Started

ANNEX 3 –Roll-out strategy and Implementation Action Plan- Democratic Republic of Congo (DRC)

This project is in line with the DRC's aim to emerge from the low income status by 2020 and to progress towards new industrialized status by 2030 combating poverty and providing income and job opportunities for its population while achieving a 17% emissions reduction by 2030, relative to base year of 2000. This by developing its energy (up to 650Mw added through micro & mini hydro on 8 – 10 sites; improved cook stoves at household level), forestry (large scale reforestation of up to 130,000ha; alternative household energy to offset use of biomass (which drives deforestation), agriculture (resource efficient agriculture – efficient irrigation, land conservation, ecosystems based approaches of agro-forestry, integrated soil fertility management etc., and value addition including processing, market linkages to minimize food loss) and waste management (waste to energy recovery; waste to bio-fertilizer / compost recovery). By these interventions, it hopes to set a pathway towards full industrialization by 2100 powered by clean energy, including clean electric transportation. These are articulated in DRCs LED strategy and its NDCs which draw on this LED strategy with a 2021 – 2030 commitment period.

To this end, the project seeks to support the implementation of DRC's LEDS priorities as captured in the countries LED strategy & associated MRV mechanism & NAMAs and crystalized in its NDCs. While agriculture, energy and forestry are the priority primary sectors identified to actualize the simultaneous aims of climate action alongside socio-economic development, innovative financing sources are targeted to finance these LEDS developments. Among earmarked include green bonds and prioritized tax on fossil fuels (at pump level), which this project should set an enabling policy framework for. These priorities were reiterated by the multiple stakeholders from government, private sector, academia & researchers, representative of the DRC, who congregated for the project inception workshop that took place on 30th September 2016 in Kinshasa.

The following is to guide the roll-out of implementation activities by component and deliverables. **Part 1** is on activities by component and deliverables while **part 2** is the action plan, capturing roles, responsibilities and timelines by component, deliverable and sub-activities.

PART 1: COMPONENTS, DELIVERABLES AND ACTIVITIES

A) Component 1:

Five key deliverables are targeted for this component and are indicative.

Deliverable 1: enhance transition towards low emissions developments in the priority & complementary energy, agriculture, forestry among other potential sectors by enhancing linkage of clean energy with sustainable, ecosystems based agricultural processes. Target decentralized off-grid and mini-grid clean energy systems to support agriculture production areas and rural households as an indicative priority area. Develop and document case study(s) based on this deliverable.

Indicative Activities

- ▶ Identify, reach out and build collaboration with on-going / established decentralized clean energy initiatives (micro/mini hydro) from government, private sector, academia, non-governmental / development partners to establish viable plants that can power value added agro-processing and rural households(The [GEF-UNDP “Promotion of mini & micro-hydro power plants in Congo DR project”](#) or African Development Bank⁴ and government partners the Ministry of Environment and Sustainable Development, Ministry of Energy and Hydraulic Resources, are a good start point for strategic partnership)

⁴ In December 2010, the African Development Bank (AfDB) Group approved a grant of 106.6 million USD to the DRC, to finance the country's rural and semi-urban electrification projects

- ▶ Contract country implementation partners
- ▶ Launch country ground actions and monitor, evaluate and report progress and write case study(s)

Deliverable 2: enhance transition to low emissions domestic energy options to complement LEDS development in agriculture, forestry, and waste management (agriculture and household bio-degradable waste)

Activities

- Identify, reach out and build collaboration with on-going / established initiatives on supply / assembly / construction of domestic energy options in cooking (target clean cook-stoves and bio-gas based on agriculture and kitchen waste) and lighting (off-grid solar, especially solar home systems - SHS) and bio-fertilizer processing by government, private sector, academia, non-governmental / development partners. (Reach out to stakeholders who participated in inception workshop to identify viable initiatives)

NB for biogas:

- a. Biogas reactor/digester to use kitchen and agro-waste generated by the neighbourhood as feedstock.
 - b. Map out and establish collaboration with potential sources of agriculture and domestic kitchen waste to ensure steady supply of feedstock to the bio-digester
 - c. Digester sludge / slurry from biogas to be re-used as bio-fertilizer⁵ so the plant should integrate a slurry collection mechanism.
- ▶ Map out, reach out and establish collaboration with potential social facilities (public boarding schools, hospitals and clinics) as potential beneficiaries of domestic low energy options to orchestrate shift from bio-mass based to bio-gas, clean cook stoves and SHS based domestic energy options. Prioritize instances for rehabilitation and upgrading existing facilities (rather than procuring new) to lower costs
 - ▶ Rehabilitate / procure, supply and install technologies
 - ▶ Work with partners to develop business plan for processing, packaging, marketing and selling bio-fertilizer from bio-digester slurry
 - ▶ Contract implementation partners as needed
 - ▶ Launch country ground actions and monitor, evaluate and report progress
 - ▶ Write case study(s) to demonstrate how the shift to clean domestic energy options is conserving forest sinks (include data on amount of firewood and charcoal offset) and generating clean jobs (processing, marketing & sale of bio-fertilizer)

Deliverable 3: Policy analysis - to inform enabling policy and actions for enhancing transition towards low emissions developments in the priority & complementary energy, forestry and agriculture sectors and other potential sectors and at household level – (amended sectorial policies, produce policy brief, reports and action plans on inter-ministerial collaboration required for transition to low emissions developments in the priority & complementary energy, forestry and agriculture sectors as well as domestic options among other sectors)

⁵ https://www.nmi-agro.nl/images/NMI_Alterra_1527_Bioslurry.pdf

Indicative Activities

- ▶ Policy analysis to establish relevant inter-ministerial silos to bridge and develop cross-cutting policies – cutting across environment, agriculture, energy, infrastructure, industry, trade, finance, lands as needed to catalyze both private sector and government action for scaled out investment to catalyze transition towards low emissions developments in the priority & complementary energy and agriculture sectors and other potential sectors and at household level (Produce report).
- ▶ Amend relevant sectorial policies to facilitate inter-ministerial collaboration for an enabling environment for scaled-out investment to catalyze transition towards low emissions developments in the priority & complementary energy and agriculture sectors and other potential sectors and at household level (List of amended sectorial policies)
- ▶ Capacity needs assessment, in both government and private sector –technical, institutional, financial, technological, market needed for scaled-out investment to catalyze transition towards low emissions developments in the priority & complementary energy and agriculture sectors and other potential sectors and at household level (Produce report on LEDS actions rollout).
- ▶ Development of an integrated ministerial level policy brief, strategy, action plan and standard operating procedure covering the roles, responsibilities and reporting structure of inter-ministerial collaboration towards scaled-out investment to catalyze transition towards low emissions developments in the priority & complementary energy and agriculture sectors and other potential sectors and at household level

Deliverable 4: Desk studies – (needs assessment report developed, relevant manuals supplied to build capacity of LEDS champions in DRC [leading academic / technical institutions and technical departments in Ministries of Energy, Transport, Environment, Forestry, Lands, Planning / Finance]).

Indicative Activities:

- ▶ Identify technical / academic institutions in DRC engaged in LEDS e.g. leading faculty in Technical institutions as well as technical personnel from Ministries of Energy, Agriculture, Forestry, Environment, Transport, Planning, Lands for training and capacity building as national and regional LEDS champions
- ▶ Capacity needs assessment and supply of relevant manuals for installation, operating and maintenance of decentralized renewable energy systems and waste to energy systems
- ▶ Research to establish and recommend appropriate clean fuels and vehicle efficiency standards for DRC to adopt
- ▶ Research and develop an appropriate green bonds policy and develop strategy to float a green bond in international markets as a domestic climate financing option
- ▶ Research to inform appropriate fossil fuel tax policy as a domestic climate financing option
- ▶ Research to inform appropriate transport infrastructure planning as follows:
 - a. Rural roads to reduce commuter distances between agro-productivity areas and market areas
 - b. Urban routing to establish mass transit systems and reduce vehicular traffic congestion in cities

Deliverable 5: policies and action plan on enhancing sinks and sequestration – (amended sectorial policies of sectors dependent on forest ecosystems to integrate forest protection practices; afforestation policy developed / updated to target qualifying for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement; a strategy and action plan to operationalize afforestation policy / reforest significant areas developed)

Indicative Activities

- ▶ Analyze and amend existing forest policies to prioritize reforesting significant areas toward qualify for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement developed
- ▶ Develop strategy and action plan to guide reforestation activities above
- ▶ Mobilize ministerial level stakeholders from sectors dependent on forest ecosystems for policy analysis and integration of forest protection practices and afforestation into their respective sectorial policies (especially energy - through hydropower, water - protecting forest water towers/riparian areas, tourism and agriculture etc.)
- ▶ Develop strategies and action plans to guide reforestation activities in each of above ministries

B) Component 2:

Two deliverables are envisaged. The aim is to have appropriate context specific model(s) for DRC that will be able to guide long term policy planning to ensure robust LEDS planning framework to underlay NDC implementation resulting in maximum socio-economic benefit for DRC.

Deliverable 1: updated baseline inventory of DRC emissions levels established, monitoring indicators and reporting framework developed and training and capacity building done

Indicative Activities

- ▶ Constitute country modelling team. Mobilize stakeholders, especially those engaged in inception workshop from academia and government technical units in Ministries of Agriculture, Energy, Lands, Forestry, Environment, Transport, Finance / Planning, Prime Minister's office, country LEDS planning team for participatory process with project technical partners in establishing or updating baseline / GHG inventory for DRC, developing monitoring indicators and reporting framework (start off with the DRC LEDS technical team that is overseeing the country's LEDS plan / strategy).
- ▶ Organize short course (1 week) for above stakeholders and institution on LEDS modelling and GHG inventories
- ▶ Participatory process to establish / update GHG baseline for DRC and development of monitoring indicators and reporting framework

Deliverable 2: long term LEDS policy planning analytical framework established targeting emissions trends and tradeoffs in energy, agriculture, forestry & land use, and transport among other key emissions sectors. These also include cost-benefit analysis on fossil fuel tax and green bond and infrastructure planning on the socio-economic development and emissions abatement trade-offs. Model(s) adapted, capacity building done and relevant software and hardware technology transferred to DRC Ministry officials, Prime Minister's office / LEDS planning team, technical persons and academia. Adapted models should clearly demonstrate the long-term socio-economic impact of different priority options for low emissions in the prioritized sectors as identified in the NDC and LEDS plan and the amount of GHG abated by each option.

Indicative Activities

- ▶ Mobilize stakeholders, especially those engaged in inception workshop from academia, technical intuitions and government technical units in ministry of agriculture, energy, lands, forestry, environment, transport and planning, Prime Minister's office, LEDS planning team for participatory process with technical partners in establishing viable models (start off with the DRC LEDS technical team that is overseeing the country's LEDS plan / strategy).
- ▶ Organize training workshop for above stakeholders on use of the adapted models (3 days)
- ▶ Transfer and installation of relevant modelling software & hardware

PART 2: ACTION PLAN

The Ministry of Environment as entry point and in conjunction with the DRC's LEDS planning team and relevant technical personnel from relevant line ministries (i.e. Agriculture, Energy, Planning, Forestry etc.) coordinated through the Prime Minister's office will form the project country coordination team / the project country task team. This will be responsible for facilitating cross-ministerial consensus and cooperation needed to bridge inter-ministerial silos towards developing cross-cutting policies that ensure LEDS fits into overall national development. It will also provide strategic policy support to ground actors reaching out to potential partners, contracting of country partners and will also be responsible for overall monitoring and evaluation of country implementation progress.

Component	Deliverable	Next steps / roles	Responsible	Timeline
Component 1	Deliverable 1 & Deliverable 2 (can proceed concurrently as they are related)	Establish evaluation criteria / requirements of partners needed for implementation activities under deliverables 1 & 2	Country LEDS planning team, Prime Ministers team / Ministry of Environment focal(s)	Oct-Dec 2016
		Review participants list of the inception workshop, identify and reach out to potential partners in government ministries, private sector, farmer groups, academia, NGOs, civil society etc., for partnership to form country implementation team to work in each of the deliverable 1 activities. Reach out to other relevant stakeholders who may not have attended workshop.	Country LEDS planning team, Ministry of Environment, Prime Ministers team and others –especially framework initiatives key to mobilizing implementation partners	Nov 2016

Component	Deliverable	Next steps / roles	Responsible	Timeline
		Form project country coordination team / project country task team to oversee project at country level and monitor progress (both component 1 & 2). This team should be representative comprising representation from the Ministry of Environment, the DRC's LEDS planning team and relevant technical personnel from relevant line ministries (i.e. Agriculture, Energy, Planning, Forestry etc.) coordinated through the Prime Minister's office.	Country LEDS planning team, Prime Ministers team / Ministry of Environment focal, framework initiatives key to mobilizing implementation partners	Nov-Dec 2016
		Contract country implementation partners and oversee execution of activities	Project country coordination team	Dec 2016-Dec 2018
		Identify at least 3 leading project partner institutions as LEDS champions to lead in operating implementation initiatives	Project country coordination team in coordination with UN Environment and partners - NREL AfLP & LEDS GP	January 2017
		Write case study(s) based on project progress	Project country coordination team, NREL and partners-AfLP, LEDS GP in coordination with UN Environment	Nov 2018 - March 2019
	Deliverable 3 & Deliverable 5 (can proceed concurrently as they are related)	Reach out across-relevant ministries (environment, agriculture, energy, forestry, water, transport infrastructure, industry, trade, finance, lands), network and identify focal persons to represent each ministry in deliverable activities. Start off with those who attended workshop	Project country coordination team, NREL and Partners-AfLP, LEDS GP in coordination with UN Environment	Nov 2016-Feb 2017
		Reach out to academia, private sector, civil society and non-govt. stakeholders who attended workshop and establish focal persons to represent these stakeholder groups in deliverable activities	Project country coordination team, NREL and Partners-AfLP, LEDS GP in coordination with UN Environment	Nov 2016-Feb 2017
		Establish a policy task force made up of above focal persons, led by a nominee of the Prime Minister's office. This will report to the country project coordination team.	Country project coordination team, Prime Minister's office, NREL and Partners-AfLP, LEDS GP in coordination with UN Environment	Feb-March 2017
		Prepare TOR and work plan as applicable for the policy taskforce	Country project coordination team, NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	April 2017

Component	Deliverable	Next steps / roles	Responsible	Timeline
		Technical support to policy taskforce to develop / update forestry policies to target qualifying for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement; and develop cross-cutting policies – cutting across environment, agriculture, energy, infrastructure, industry, trade, finance, lands as needed to catalyze both private sector and government action for scaled out investment to catalyze transition towards low emissions developments in the priority & complementary energy and agriculture sectors and other potential sectors and at household level	NREL and Partners-AfLP, LEDS GP in coordination with UN Environment, and country project coordination team	April 2017 – Jan 2018
		Develop strategy and action plan to operationalize the above amended / developed policies	Policy task force team with technical backstopping from NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	April 2017 – Jan 2018
	Deliverable 4	Field visits and consultations with technical / academic institutions and technical personnel in Ministries of Agriculture, Energy, Transport, Environment, Forestry, Lands, planning and Finance officials towards establishing LEDS champions	Country project coordination team, policy task force team, NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	Jan – May 2017
		Work with identified champions (1 technical person each from respective ministries [can be members of policy task force & country coordinating team] & 1 technical / academic institution) to develop appropriate policies and action plans on green bonds, fuel tax, fuel and vehicular emissions standards and LEDS based infrastructure / transport planning	Country project coordination team, policy task force team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	May 2017 -December 2017
		Online research and acquisition of applicable manuals, and capacity building material for installation, operating and maintenance of decentralized renewable energy systems and waste to energy systems e.g. (e-books, modules e.g. http://africa-toolkit.reeep.org/modules/Module11.pdf)	NREL and Partners - AfLP, LEDS GP in coordination with UN Environment and project country team	Jan-Feb 2018
		Share manuals and other capacity building materials and train (workshop) the LEDS champions (from ministries and representatives of technical / academic institutions) identified	NREL and Partners - AfLP, LEDS GP in coordination with UNEP	March 2018
Component 2	Deliverable 1	Review participants list of the inception workshop, identify, reach out to relevant stakeholders and combine with the LEDS champions identified under component 1 to form country modelling team. Modelling team to work with project technical partners in establishing / updating DRCs emissions baseline, development of monitoring indicators and reporting framework.	Country project coordination team, policy task force team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with UNEP	Jan-March 2017

Component	Deliverable	Next steps / roles	Responsible	Timeline
		Organize short course / training workshop for country modelling team on LEDS modelling, GHG inventories, process of establishing emissions baseline for DRC and development of monitoring indicators and reporting framework	NREL and Partners -AfLP, LEDS GP in coordination with UN Environment and country project coordination team	April 2017 (
		Support DRC counterparts in establishing / updating DRCs GHG emission baseline, developing monitoring indicators and a reporting framework (remote support from technical partners)	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	May-Aug 2017 (
	Deliverable 2	In-country modelling team to work with project technical partners in adapting and testing suit of relevant models to inform long-term socio-economic policies consistent with actualizing LEDS priorities and NDCs within the broader DRC LEDS plan.	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	Sept-Nov 2017
		With country modelling team above jointly identify adapt and test model(s) relevant to long term LEDS planning in line with DRC's economic priorities and options for low emissions development as identified in the NDCs and LEDS plans (agriculture, land-use / forestry, energy, waste management, transport – standardization (fuel efficiency/emissions levels/ clean fuels); improved transport infrastructure planning to reduce commuter distances; mass transit systems in urban areas to reduce vehicular traffic / congestion in cities hence reduce traffic related emissions) and document results of different scenarios to demonstrate effectiveness of adapted models.	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	Dec 2017 – Feb 2018
		-Organize a 3 day training workshop for modelling team on use of the adapted models	NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	March 2018
		Transfer and installation of relevant software and hardware technologies of adapted model(s) to technical teams in relevant line Ministries / LEDS planning team and identified technical institutions and academic institutions. These should be institutions affiliated with the country modelling team.	NREL and Partners -AfLP, LEDS GP will provide technical support in coordination with UN Environment, Country project coordination team, country policy task force team	April-June 2018

ANNEX 4 –Roll-out strategy and Implementation Action Plan for Cote d’Ivoire

This project is in line with the government of Cote d’Ivoire’s Vision to industrialize by 2020, combating poverty and providing income and job opportunities for its population. To this end, the project seeks to support the implementation of Cote d’Ivoire’s NDCs, which are contextualized to this vision 2020 and hence represent the countries LEDS plan, capturing Cote d’Ivoire’s priority to industrialize while taking action against climate change. This priority was reiterated by the multiple stakeholders from government, private sector, academia & researchers, representative of Cote d’Ivoire, who congregated for the project inception workshop that took place on 05th August 2016 in Abidjan.

The following is to guide the roll-out of implementation activities by component and deliverables. **Part 1** is on activities by component and deliverables while **part 2** is the action plan, capturing roles, responsibilities and timelines by component, deliverable and sub-activities.

PART 1: COMPONENTS, DELIVERABLES AND ACTIVITIES

A) Component 1:

Indicatively five key deliverables are targeted for this component.

Deliverable 1: enhance transition towards low emissions developments in the priority & complementary energy, agriculture, forestry among other potential sectors by enhancing linkage of clean energy with sustainable, ecosystems based agricultural processes. Target decentralized off-grid and mini-grid clean energy systems to support agriculture production areas as an indicative priority area. Develop and document case study(s) based on this deliverable.

Indicative Activities

- ▶ Identify, reach out and build collaboration with on-going / established decentralized clean energy initiatives from government, private sector, academia, non-governmental / development partners to establish a viable plant that can power processing (The GEF Strategic Programme on Energy in West Africa UNIDO ENERGY PROJECT that installed a 350Mw mini-grid in Cote d’Ivoire and government partners in the Ministry of Mines and Energy a good start point for strategic partnership)
- ▶ Contract country implementation partners
- ▶ Launch country ground actions and monitor, evaluate and report progress and write case study(s)

Deliverable 2: Policy analysis to inform enabling policy and actions for enhancing transition towards low emissions developments in the priority & complementary energy, agriculture and forestry sectors and other potential sectors – (amended sectorial policies, produce policy brief, reports and action plans on inter-ministerial collaboration required towards transition to low emissions developments in the priority & complementary energy, forestry, and agriculture sectors among other sectors)

Indicative Activities

- ▶ Policy analysis to establish relevant inter-ministerial silos to bridge and develop cross-cutting policies – cutting across environment, agriculture, energy, infrastructure, industry, trade, finance, lands as needed to catalyze both private sector and government action for scaled out relevant LEDS action(Produce report).
- ▶ Amend relevant sectorial policies to facilitate inter-ministerial collaboration for an enabling environment for scaled-out relevant LEDS action (List of amended sectorial policies)
- ▶ Capacity needs assessment, in both government and private sector –technical, institutional, financial, technological, market needed for scaled-out relevant LEDS action (Produce report).
- ▶ Development of an integrated ministerial level **policy brief, strategy, action plan** and **standard operating procedure** covering the roles, responsibilities and reporting structure of inter-ministerial collaboration towards scaled-out relevant LEDS action

Deliverable 3: Desk studies – (needs assessment report developed, relevant manuals supplied to build capacity of LEDS champions in Cote d’Ivoire [leading academic / technical institutions and technical departments in Ministries of Energy, Transport, Environment, Forestry, Lands, Planning / Finance]).

Indicative Activities:

- ▶ Identify technical / academic institutions in Cote d’Ivoire engaged in LEDS e.g. leading faculty in Technical institutions as well as technical personnel from Ministries of Energy, Agriculture, Forestry, Environment, Transport, Planning, Lands for training and capacity building as national and regional LEDS champions
- ▶ Capacity needs assessment and supply of relevant manuals for installation, operating and maintenance of decentralized renewable energy systems and waste to energy systems
- ▶ Research to establish and recommend appropriate clean fuels and vehicle efficiency standards for Cote d’Ivoire to adopt
- ▶ Research to inform appropriate transport infrastructure planning as follows:
 - a. Rural roads to reduce commuter distances between agro-productivity areas and market areas
 - b. Urban routing to establish mass transit systems and reduce vehicular traffic congestion in cities

Deliverable 4: policies on SLCP – (report on prevalent SLCPs sources, amended sectorial policies, produce policy brief, reports and action plans on inter-ministerial collaboration towards reducing SLCP)

Indicative Activities

- ▶ Partner with on-going UNEP CCAC SNAP-SLCP project in Cote d’Ivoire for analysis of prevalent SLCP sources and development of relevant policies and national action plan to reduce SLCP by 2018.

Deliverable 5: policies and action plan on enhancing sinks and sequestration – (amended sectorial policies of sectors dependent on forest ecosystems to integrate forest protection practices; afforestation policy developed / updated to target qualifying for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement; a strategy and action plan to operationalize afforestation policy / reforest significant areas developed)

Indicative Activities

- ▶ Analyze and amend existing forest policies to prioritize reforesting significant areas toward qualify for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement developed
- ▶ Develop strategy and action plan to guide reforestation activities above
- ▶ Mobilize ministerial level stakeholders from sectors dependent on forests for policy analysis and integration of forest protection practices and afforestation into their respective sectorial policies (especially energy - through hydropower, water - protecting forest water towers/riparian areas, and agriculture)
- ▶ Develop strategies and action plans to guide reforestation activities in each of above ministries

B) Component 2:

Two deliverables are envisaged. The aim is to have appropriate context specific model(s) for Cote d'Ivoire that will be able to guide long term policy planning to ensure robust LEDS planning framework to facilitate NDC implementation results in maximum socio-economic benefit for Cote d'Ivoire.

Deliverable 1: Establish / update baseline inventory of Cote d'Ivoire emissions levels established, monitoring indicators and reporting framework developed and training and capacity building done

Indicative Activities

- ▶ -Constitute country modelling team. Mobilize stakeholders, especially those engaged in inception workshop from academia and government technical units in Ministries of Agriculture, Energy, Lands, Forestry, Environment, Transport and Economy and Prime Ministers Inter Agency Task Force on NDCs for participatory process with project technical partners in establishing / updating baseline / GHG inventory for Cote d'Ivoire, developing monitoring indicators and reporting framework (start off with the Ivorian Centre for Social & Economic Research or similar relevant research/technical institutions).
- ▶ Organize short course (1 week) for above stakeholders and institution on LEDS modelling and GHG inventories
- ▶ Participatory process to establish / update GHG baseline for Cote d'Ivoire and development of monitoring indicators and reporting framework

Deliverable 2: long term LEDS policy planning analytical framework established targeting emissions abatement trends, socio-economic development tradeoffs and cost-benefit analysis of options in energy, agriculture, forestry & land use, waste management and transport (fuel standards, emissions standards and infrastructure planning) among other key emissions sectors. Model(s) adapted, capacity building done and relevant software and hardware technology transferred to Cote d'Ivoire Ministry officials / NDCs Inter Agency Task force, technical persons and academia. Adapted models should clearly demonstrate the long-term socio-economic impact of different priority options for low emissions in the prioritized sectors as identified in the NDCs and the amount of GHG abated by each if the options. They should also establish energy potential of Cote d'Ivoire's renewable sources.

Indicative Activities

- ▶ Mobilize stakeholders, especially those engaged in inception workshop from academia and government technical units in Ministries of Agriculture, Energy, Lands, Forestry, Environment, Transport and Economy, Prime Ministers Inter Agency Task Force on NDCs, for participatory process with technical partners in establishing viable models (start off with the Ivorian Centre for Social & Economic Research or similar relevant research/technical institutions).
- ▶ Organize training workshop for above stakeholders on use of the adapted models (3 days)
- ▶ Transfer and installation of relevant modelling software & hardware

PART 2: ACTION PLAN

The Ministry of Environment as entry point in conjunction with the NDCs Inter-Agency task force of the Prime Minister's office and relevant technical personnel from relevant line ministries (i.e. Agriculture, Energy, Planning, Forestry etc.) will form the **project country coordination team / the project country task team**. This will be responsible for facilitating cross-ministerial consensus and cooperation needed to bridge inter-ministerial silos towards developing cross-cutting policies that ensure LEDS fits into overall national development. It will provide strategic policy support to ground actors reaching out to potential partners, contracting of country partners and will also be responsible for overall monitoring and evaluation of implementation progress.

Component	Deliverable	Next steps / roles	Responsible	Timeline
Component 1	Deliverable 1	Establish evaluation criteria / requirements of partners needed for implementation activities under deliverable 1	NDCs Inter-agency task force / Ministry of Environment focal(s) (),	Aug-Oct 2016
		Review participants list of the inception workshop, identify and reach out to potential partners in government ministries, private sector, farmer groups, academia, NGOs, civil society etc., for partnership in each of the deliverable 1 activities. Reach out to other relevant stakeholders who may not have attended workshop.	NDCs Inter-agency task force / Ministry of Environment focal(s), to mobilizing implementation partners	Sept 2016
		Form project country coordination team / project country task team to oversee project at country level and monitor progress (both component 1 & 2). This team should be representative comprising representation from the Ministry of Environment, the Prime Minister's NDCs Inter-agency task force and relevant technical personnel from relevant line ministries (i.e. Agriculture, Energy, Planning, Forestry etc.))	NDCs Inter-Agency Task force / Ministry of Environment focal to mobilizing implementation partners	Sept-Oct 2016
		Contract country implementation partners and oversee execution of activities	Project country coordination team	Nov 2016-Nov 2018
		Identify at least 3 leading project partner institutions as LEDS champions to lead in operating implementation initiatives	Project country coordination team in coordination with UN Environment and partners - NREL AfLP & LEDS GP	January 2017
		Write case study(s) based on project progress	Project country coordination team, NREL and partners-AfLP, LEDS GP in coordination with UN Environment	Nov 2018 – March 2019

Component	Deliverable	Next steps / roles	Responsible	Timeline
	Deliverable 2 & Deliverable 5 (can proceed concurrently as they are related)	Reach out across-relevant ministries (environment, agriculture, energy, forestry, water, infrastructure, industry, trade, finance, lands), network and identify focal persons to represent each ministry in deliverable activities. Start off with those who attended workshop	Project country coordination team, NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	Oct 2016-Jan 2017
		Reach out to academia, private sector, civil society and non-govt. stakeholders who attended workshop and establish focal persons to represent these stakeholder groups in deliverable activities	Project country coordination team, NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	-Oct2016-Jan 2017
		Establish a policy task force made up of above focal persons and led by representative of the Prime Minister's NDCs Inter Agency task-force. This will report to the country project coordination team. .	Country project coordination team, Prime Minister's office, NREL and Partners-AfLP, LEDS GP in coordination with UN Environment	Jan-Feb 2017
		Prepare TOR and work plan as applicable for the policy taskforce	Country project coordination team, NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	March 2017
		Technical support to policy taskforce to develop / update forestry policies to target qualifying for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement; and develop cross-cutting policies – cutting across environment, agriculture, energy, infrastructure, industry, trade, finance, lands as needed to catalyze both private sector and government action for scaled out investment on LEDS actions / to catalyze transition towards low emissions developments in the priority & complementary energy, agriculture, forestry sectors and other potential sectors	NREL and Partners in coordination with UNEP, and country project coordination team	March 2017 - Jan 2018
		Develop strategy and action plan to operationalize the above amended / developed policies	Policy task force team with technical backstopping from NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	March 2017 – Jan 2018

Component	Deliverable	Next steps / roles	Responsible	Timeline
	Deliverable 3	Field visits and consultations with technical / academic institutions and technical personnel in Ministries of Agriculture, Energy, Transport, Environment, Forestry, Lands and planning officials towards establishing LEDS champions.	Project country coordination team, policy task force team, NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	Jan – May 2017
		Work with identified champions (1 technical person each from respective ministries [can be members of policy task force & country coordinating team] & 1 technical / academic institution) to develop appropriate policies and action plans on fuel and vehicular emissions standards and LEDS based transport infrastructure planning	Project country coordination team, policy task force team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	May-Dec 2017
		Online research and acquisition of applicable manuals, and capacity building material for installation, operating and maintenance of decentralized renewable energy systems and waste to energy systems e.g. (e-books, modules etc. e.g. http://africa-toolkit.reeep.org/modules/Module11.pdf)	NREL and Partners - AfLP, LEDS GP in coordination with UN Environment and project country team	Jan-Feb 2018
		Share manuals and other capacity building materials and train (workshop) the LEDS champion (from ministries and representatives of technical / academic institutions) identified	NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	March 2018
	Deliverable 4	Identify, contact and reach out to on-going UNEP CCAC SNAP-SLCP project stakeholders.	Project country coordination team	Nov-Dec 2016
Partner in ongoing activities - analysis of prevalent SLCP sources and development / amendment of relevant policies and national action plan to reduce SLCP by 2018.		Project country coordination team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	Jan 2017 – June 2018	
Produce report on prevalent SLCPs sources, a policy brief and action plan on inter-ministerial collaboration towards reducing SLCP.		Project country coordination team, policy task force team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	June-Aug 2018	

Component	Deliverable	Next steps / roles	Responsible	Timeline
Component 2	Deliverable 1	Review participants list of the inception workshop, identify, reach out to relevant stakeholders and combine with the LEDS champions identified under component 1 to form country modelling team. Modelling team to work with project technical partners in establishing / updating Cote d'Ivoire's emissions baseline, development of monitoring indicators and reporting framework.	Country project coordination team, policy task force team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with UNEP	Jan-March 2017
		Organize short course / training workshop for country modelling team on LEDS modelling, GHG inventories, process of establishing emissions baseline for Cote d'Ivoire and development of monitoring indicators and reporting framework	NREL and Partners -AfLP, LEDS GP in coordination with UN Environment and country project coordination team	April 2017
		Support Cote d'Ivoire counterparts in establishing / updating Cote d'Ivoire's GHG emission baseline, developing monitoring indicators and a reporting framework (remote support from technical partners)	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	May-Aug 2017
	Deliverable 2	In-country modelling team to work with project technical partners in adapting and testing suit of relevant models to inform long-term socio-economic policies consistent with actualizing LEDS priorities and NDCs including establishing energy potential of Cote d'Ivoire's renewable sources.	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	Sept-Nov 2017
		With above country modelling team jointly identify adapt and test model(s) relevant to long term LEDS planning in line with Cote d'Ivoire's economic priorities and options for low emissions development as identified in the NDCs and NAMA's etc. (agriculture, land-use / forestry, energy, waste management, transport - standardization (fuel efficiency/emissions levels/ clean fuels); improved transport infrastructure planning to reduce commuter distances; mass transit systems in urban areas to reduce vehicular traffic / congestion in cities hence reduce traffic related emissions) and document results of different scenarios to demonstrate effectiveness of adapted models. Establish and document energy potential of Cote d'Ivoire renewable sources.	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	Dec 2017-Feb 2018

Component	Deliverable	Next steps / roles	Responsible	Timeline
		-Organize a 3 day training workshop for modelling team on use of the adapted models	NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	March 2018
		Transfer relevant software and hardware technologies of adapted model(s) to technical teams in relevant line Ministries Inter Agency Task force and identified technical institutions and academic institutions. These should be institutions affiliated with the country modelling team.	NREL and Partners -AfLP, LEDS GP will provide technical support in coordination with UN Environment, Country project coordination team, country policy task force team	March-May 2017

ANNEX 5 – Roll-out strategy and Implementation Action Plan- Cameroon

This project is in line with the government of Cameroon Vision 2035 that seeks to ensure Cameroon attains middle-income, industrialized country status by 2035, combating poverty and providing income and job opportunities for its population, while taking action against climate change to reduce its GHG emissions by 32% by 2035 relative to the base year of 2010. This is contextualized in Cameroon's NDCs. Specific measures prioritized cover land based interventions in Agriculture and forestry (responsible for up to 60% emissions), Energy (generation responsible for 13% emissions drawing from high dependence on thermal sources), waste management and transport. Specific actions identified to be accomplished by 2035 include: Forests: reforestation / sustainable forest management, agriculture: enhanced greening integrated into agriculture policy / agriculture development limits deforestation / degradation; energy: enhance to 25% share of renewable in Cameroon's energy mix; waste management: enhance waste to energy recovery and transport: efficient low emissions transport reducing both emissions and losses – among measures include planning to ensure optimal/shortest distances between agro-production areas and markets, and reduce urban emissions (tramline in Yaoundé and Douala). These priorities were reiterated by the multiple stakeholders from government, private sector, academia & researchers, representative of Cameroon, who congregated for the project inception workshop that took place on 15th July 2016 in Yaoundé.

The following is to guide the roll-out of implementation activities by component and deliverables. **Part 1** is on activities by component and deliverables while **part 2** is the action plan, capturing roles, responsibilities and timelines by component, deliverable and sub-activities.

PART 1: COMPONENTS, DELIVERABLES AND ACTIVITIES

A) Component 1:

Four indicative key deliverables are targeted for this component.

Deliverable 1: enhance transition towards low emissions developments in the priority & complementary energy, agriculture, forestry among other potential sectors by enhancing linkage of clean energy with sustainable, ecosystems based agricultural processes. Target decentralized off-grid and mini-grid clean energy systems to support agriculture production areas and other processes as an indicative priority area. Develop and document case study(s) based on this deliverable.

Indicative Activities

- ▶ Identify and build collaboration with on-going decentralized clean energy initiatives from government, private sector, academia, non-governmental / development partners to establish viable plants that can power processing activities (The Ministry of Water and Energy that made a presentation, including on a directory of 261 sites for plants ranging from 10kw - 5MW a good start point)
- ▶ Contract country implementation partners
- ▶ Launch country ground actions and monitor, evaluate and report progress and write case study(s)

Deliverable 2: Policy analysis to inform enabling policy and actions for enhancing transition towards low emissions developments in the priority & complementary energy, agriculture and forestry sectors and other potential sectors (amended sectorial policies, produce policy brief, reports and action plans on inter-ministerial collaboration required towards transition to low emissions developments in the priority & complementary energy, forestry, and agriculture sectors among other sector)

Indicative Activities

- ▶ Policy analysis to establish relevant inter-ministerial silos to bridge and develop cross-cutting policies – cutting across environment, agriculture, energy, infrastructure, industry, trade, finance, lands as needed to catalyze both private sector and government action for scaled out relevant LEDS actions in line with NDCs and other LEDS priorities (**Produce report**).
- ▶ Amend relevant sectorial policies to facilitate inter-ministerial collaboration for an enabling environment for scaled-out relevant LEDS action in line with NDCs and other LEDS priorities (**List of amended sectorial policies**)
- ▶ Capacity needs assessment, in both government and private sector –technical, institutional, financial, technological, market needed for scaled-out relevant LEDS action in line with NDCs and other LEDS priorities (**Produce report**).
- ▶ Development of an integrated ministerial level **policy brief, strategy, action plan** and **standard operating procedure** covering the roles, responsibilities and reporting structure of inter-ministerial collaboration towards scaled-out relevant LEDS action in line with NDCs and other LEDS priorities

Deliverable 3: Desk studies – needs assessment report developed, relevant manuals supplied to build capacity of LEDS champions in Cameroon [leading academic / technical institutions and technical departments in Ministries of Energy, Environment, Transport, Agriculture, Forestry, Lands, Planning among others.

Indicative Activities:

- ▶ Identify technical / academic institutions in Cameroon engaged in LEDS e.g. leading faculty in Technical institutions as well as technical personnel from Ministries of Energy, Agriculture, Forestry, Environment, Transport, Planning, Lands among others for training and capacity building as national and regional LEDS champions
- ▶ Capacity needs assessment and supply of relevant manuals for installation, operating and maintenance of decentralized renewable energy systems and waste to energy systems
- ▶ Research to establish and recommend appropriate clean fuels and vehicle efficiency standards for Cameroon to adopt
- ▶
- ▶ Research to inform appropriate transport infrastructure planning as follows:
 - a. Rural roads to reduce commuter distances between agro-productivity areas and market areas
 - b. Urban routing to establish mass transit systems (specific priority is tram system for Yaoundé and Douala) hence reduce urban emissions by reducing vehicular traffic congestion in cities

Deliverable 4: policies and action plan on enhancing sinks and sequestration – (amended sectorial policies of sectors dependent on forest ecosystems to integrate forest protection practices; afforestation policy developed / updated to target qualifying for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement; a strategy and action plan to operationalize afforestation policy / reforest significant areas developed)

Indicative Activities

- ▶ Analyze and amend existing forest policies to prioritize reforesting significant areas toward qualify for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement developed
- ▶ Develop strategy and action plan to guide reforestation activities above
- ▶ Mobilize ministerial level stakeholders from sectors dependent on forests for policy analysis and integration of forest protection practices and afforestation into their respective sectorial policies (especially energy - through hydropower, water - protecting forest water towers/riparian areas, and agriculture)
- ▶ Develop strategies and action plans to guide reforestation activities in each of above ministries

B) Component 2:

Indicatively two deliverables are envisaged. The aim is to have appropriate context specific model(s) for Cameroon that will be able to guide long term policy planning to ensure robust LEDS planning framework to facilitate NDC implementation results in maximum socio-economic benefit for Cameroon.

Deliverable 1: Establish / update baseline inventory of Cameroon emissions levels, develop monitoring indicators and reporting framework and undertake training and capacity building

Indicative Activities

- ▶ Constitute country modelling team. Mobilize stakeholders, especially those engaged in inception workshop from academia and government technical units in Ministries of Agriculture, Energy, Lands, Forestry, Transport, Finance/Planning, and Environment - especially in the National Observatory on Climate Change (ONACC), for participatory process with project technical partners in establishing or updating baseline / GHG inventory for Cameroon, developing monitoring indicators and reporting framework (start off with the ONACC similar relevant technical units within the Ministries).
- ▶ Organize short course (1 week) for above stakeholders and institution on LEDS modelling and GHG inventories
- ▶ Participatory process to establish / update GHG baseline for Cameroon and development of monitoring indicators and reporting framework

Deliverable 2: long term LEDS policy planning analytical framework established targeting emissions abatement trends, socio-economic development tradeoffs and cost-benefit analysis of options in energy, agriculture, forestry & land use, waste management and transport (fuel standards, emissions standards and infrastructure planning) among other key emissions sectors. Model(s) adapted, capacity building done and relevant software and hardware technology transferred to Cameroon Ministry officials / ONACC, technical persons and academia. Adapted models should clearly demonstrate the long-term socio-economic impact of different priority options for low emissions in the prioritized sectors as identified in the NDCs and the amount of GHG abated by each if the options.

Indicative Activities

- ▶ Mobilize stakeholders, especially those engaged in inception workshop from academia and government technical units in Ministry of Agriculture, Energy, Lands, Forestry, Transport, Finance / Planning and Environment - especially in the National Observatory on Climate Change (ONACC), for participatory process with technical partners in establishing viable models (start off with the ONACC similar relevant technical units within the Ministries).
- ▶ Organize training workshop for above stakeholders on use of the adapted models (3 days)
- ▶ Transfer and installation of relevant modelling software & hardware

PART 2: ACTION PLAN

The Ministry of Environment as entry point in conjunction with relevant technical personnel from relevant line ministries (i.e. Agriculture, Energy, Planning, Forestry, Transport, Lands etc.) will form the **project country coordination team / the project country task team**. This will be responsible for facilitating cross-ministerial consensus and cooperation needed to bridge inter-ministerial silos towards developing cross-cutting policies that ensure LEDS fits into overall national development. It will provide strategic policy support to ground actors reaching out to potential partners, contracting of country partners and will also be responsible for overall monitoring and evaluation of implementation progress.

Component	Deliverable	Next steps / roles	Responsible	Time line
Component 1	Deliverable 1	Establish evaluation criteria / requirements of partners needed for implementation activities under deliverable 1	Ministry of Environment focal points in conjunction with Technical personnel from ONCC and relevant line ministries - Agriculture, Forestry, Energy, Transport, Lands, Finance/Planning	July-Sept 2016
		Review participants list of the inception workshop, identify and reach out to potential partners in government ministries, private sector, farmer groups, academia, NGOs, civil society etc., for partnership in each of the deliverable 1 activities. Reach out to other relevant stakeholders who may not have attended workshop.	Ministry of Environment focal points in conjunction with Technical personnel from ONCC and relevant line ministries - Agriculture, Forestry, Energy, Transport, Lands, Finance/ Planning, key NGO which participated substantively in inception workshop and made key presentation (ADEID) and others –especially framework initiatives key to mobilizing implementation partners	Aug 2016
		Form project country coordination team / project country task team to oversee project at country level and monitor progress (both component 1 & 2). This team should be representative comprising representation from the Ministry of Environment, and relevant technical personnel from relevant line ministries (i.e. Agriculture, Energy, Finance/ Planning, Forestry, Transport, Lands etc.)	Ministry of Environment focal points in conjunction with Technical personnel from ONCC and relevant line ministries - Agriculture, Forestry, Energy, Transport, Lands, Finance/ Planning, key NGO which participated substantively in inception workshop and made key presentation (ADEID) and others –especially framework initiatives key to mobilizing implementation partners	August-Oct 2016
		Contract country implementation partners and oversee execution of activities	Project country coordination team	Nov 2016-Nov 2018

Component	Deliverable	Next steps / roles	Responsible	Time line
		Identify at least 3 leading project partner institutions as LEDS champions to lead in operating implementation initiatives	Project country coordination team in coordination with UN Environment and partners - NREL AfLP & LEDS GP	January 2017
		Write case study(s) based on project progress	Project country coordination team, NREL and partners-AfLP, LEDS GP in coordination with UN Environment	Nov 2018 – March 2019
	Deliverable 2 & Deliverable 4 (can proceed concurrently as they are related)	Reach out across-relevant ministries (environment, agriculture, energy, forestry, water, infrastructure, industry, trade, finance, land), network and identify focal persons to represent each ministry in deliverable activities. Start off with those who attended workshop	Project country coordination team, NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	Sept 2016-Jan 2017
		Reach out to academia, private sector, civil society and non-govt. stakeholders who attended workshop and establish focal persons to represent these stakeholder groups in deliverable activities	Project country coordination team, NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	Sept 2016-Jan 2017
		Establish a policy task force made up of above focal persons and led by representative of the Ministry of Environment / ONCC. This will report to the country project coordination team.	Country project coordination team, Prime Minister's office, NREL and Partners-AfLP, LEDS GP in coordination with UN Environment	Jan-Feb 2017
		Prepare TOR, work plan as applicable for the policy taskforce	Country project coordination team, NREL and Partners -AfLP, LEDS GP in coordination with UN Environment	March 2017
		Technical support to policy taskforce to develop / update forestry policies to target qualifying for Certified Emissions Reduction incentives under Article 6(4) of Paris agreement; and develop cross-cutting policies – cutting across environment, agriculture, energy, infrastructure, industry, trade, finance, lands as needed to catalyze both private sector and government action for scaled out investment on LEDS actions / to catalyze transition towards low emissions developments in the priority & complementary energy, agriculture, forestry sectors and other potential sectors	NREL and Partners in coordination with UN Environment, and country project coordination team	March 2017 – Jan 2018

Component	Deliverable	Next steps / roles	Responsible	Time line
		Develop strategy and action plan to operationalize the above amended / developed policies	Policy task force team with technical backstopping from NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	March 2017 – Jan 2018
	Deliverable 3	Field visits and consultations with technical / academic institutions and technical personnel in Ministries of Agriculture, Energy, Transport, Environment, Forestry, Lands and Finance/ Planning officials towards establishing LEDS champions	Project country coordination team, policy task force team, NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	Jan – May 2017
		Work with identified champions (1 technical person each from respective ministries [can be members of policy task force & country coordinating team] & 1 technical / academic institution) to develop appropriate policies and action plans on fuel and vehicular emissions standards and LEDS based transport infrastructure planning	Project country coordination team, policy task force team with technical backstopping from NREL and Partners - AfLP, LEDS GP in coordination with UN Environment	May-Dec 2017
		Online research and acquisition of applicable manuals, and capacity building material for installation, operating and maintenance of decentralized renewable energy systems and waste to energy systems e.g. e-books, modules etc. e.g. (http://africa-toolkit.reeep.org/modules/Module11.pdf)	NREL and Partners – AfLP, LEDS GP in coordination with UN Environment and project country team	Jan-Feb 2018
		Share manuals and other capacity building materials and train (workshop) the LEDS champions (from ministries and representatives of technical / academic institutions) identified	NREL and Partners – AfLP, LEDS GP in coordination with UN Environment	March 2018
Component 2	Deliverable 1	Review participants list of the inception workshop, identify, reach out to relevant stakeholders and combine with the LEDS champions identified under component 1 to form country modelling team. Modelling team to work with project technical partners in establishing / updating Cameroons emissions baseline, development of monitoring indicators and reporting framework.	Country project coordination team, policy task force team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with UNEP	Jan-March 2017
		Organize short course / training workshop for country modelling team on LEDS modelling, GHG inventories and process of establishing emissions baseline for Cameroon and development of monitoring indicators and reporting framework	NREL and Partners -AfLP, LEDS GP in coordination with UN Environment and country project coordination team	April 2017

Component	Deliverable	Next steps / roles	Responsible	Time line
		Support Cameroonian counterparts in establishing / updating Cameroons GHG emission baseline (remote support from technical partners)	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	May-Aug 2017
	Deliverable 2	In-country modelling team to work with project technical partners in adapting and testing relevant models to inform long-term socio-economic policies consistent with actualizing LEDS priorities and NDCs	Country modelling team with technical backstopping from NREL and Partners - AfLP, LEDS GP in coordination with country project coordination team and UN Environment	Sept-Nov 2017
		With above country modelling team jointly identify adapt and test model(s) relevant to long term LEDS planning in line with Cameroon's economic priorities and options for low emissions development as identified in the NDCs etc. (agriculture, land-use / forestry, energy, waste management, transport - standardization (fuel efficiency/emissions levels/clean fuels); improved transport infrastructure planning to reduce commuter distances; mass transit systems / tram systems in urban areas to reduce vehicular traffic / congestion in cities hence reduce traffic related emissions) and document results of different scenarios to demonstrate effectiveness of adapted models.	Country modelling team with technical backstopping from NREL and Partners -AfLP, LEDS GP in coordination with country project coordination team and UN Environment	Dec 2017-Feb 2018
		-Organize a 3 day training workshop for modelling team on use of the adapted models	NREL and Partners - AfLP, LEDS GP in coordination with country project coordination team and UN Environment	March 2018
		Transfer relevant software and hardware technologies of adapted model(s) to technical teams in relevant line Ministries in Cameroon including ONCC and other identified technical institutions and academic institutions. These should be institutions affiliated with the country modelling team.	NREL and Partners - AfLP, LEDS GP will provide technical support in coordination with UN Environment, Country project coordination team, country policy task force team	March-May 2018



AFRICA - LEDS PROJECT