



ADAPTATION FUND

Application for a Grant to facilitate learning and knowledge sharing

Submission Date: 20 January 2020

Adaptation Fund Grant ID:
Country/ies: Senegal
National Implementing Entity: Centre de Suivi Ecologique

A. Timeframe of Activity

Expected start date	June 2020
Completion date	December 2021

B. Proposed learning activities

The Centre de Suivi Ecologique (CSE) is a national entity in Senegal, whose core activities include: environmental monitoring, natural resources management, support for land use planning, and urban management, scientific and technical assistance for sustainable land management. In addition, CSE provides assistance for the decentralized management of natural resources, environmental and social assessments, monitoring of efforts to fight poverty, support for combating the negative effects of global climate change, etc. One of its key actions has been improving the access of vulnerable populations and local stakeholders to information in order to strengthen their resilience and capacity so they can adapt to climate change variability, and shocks such as droughts and desertification.

CSE is involved in several research programs and initiatives dealing with climate change and its impacts on food security (AGRICAB¹, EU FP7 project) and health (AMMA², QWECI³). The Centre accounts for more than 25-year continuous records of data related to food security: fodder and crop production, bush-fire and livestock, etc. It has also developed significant capacities in monitoring of coastal zones. Thanks to its experience, CSE was entrusted to coordinate the West African Coast Observation Mission (WACOM). The latter is a regional cooperation mechanism for the monitoring of the coastline and for the reduction of coastal risks in West Africa. This Observation Mission aims to broadcast quality information to existing consultative and decision-making bodies (Territories and Local authorities, Governments, WAEMU and ECOWAS Commission, Convention of Abidjan, Development Partners, Secretariats of Guinea and Canary Current).

¹ A framework for enhancing earth observation capacity for agriculture and forest management in Africa

² African Monsoon Multidisciplinary Analysis

³ Quantifying Weather and Climate Impacts on Health in Developing Countries

CSE gained the privilege to receive the first grant from the Adaptation Fund, which represents also the first through the innovative direct access modality. The project entitled "Adaptation to coastal erosion in vulnerable areas" started in January 2011 with a budget of US\$8,619,000 and was completed in January 2015. The objective of the project was to develop the adaptive capacities of the communities most vulnerable to coastal erosion and rising sea levels in three sites in Senegal (Rufisque, Saly and Joal).

In the framework of the AF's South-South Cooperation Program, CSE has provided technical support to nine (9) African countries for activities ranging from self-assessment to the preparation of their application for accreditation with the Adaptation Fund. One of these institutions has been accredited (BAGRI), two of them have submitted their file which is being reviewed by the Panel, and the others are completing their application folder. During this support, the CSE has developed several tools.

The Centre is also serving as Delivery Partner for six (6) African countries through the GCF Readiness Program.

In brief, CSE would establish itself as an engine for learning and innovation. Backed by the experience it has gained, CSE has a vast ambition and potential to be a vehicle of transformation for a paradigm shift towards low carbon and climate-resilient development pathways. This will be achieved through the development of projects and programs aligned with national development strategies while taking into consideration the needs of the most vulnerable communities. To do so, CSE will take advantage of its network of partnerships at the national and international levels. In addition, to its profound knowledge of national regional and global strategies. Namely, those are based on actions with a demonstrative value in terms of promoting low carbon investments and adaptation. In this regard, CSE has established a Climate Finance Unit and more recently thanks to grant funding from the Grand Duché of Luxembourg a Reference Desk on Climate Change and Adaptation and Mitigation Strategies (BRCCAA). The Reference Desk on Climate Change facilitates access to relevant climate information based on the transformation into actions of scientific evidence generated by academies and research centers to support implementation of adaptation and mitigation strategies. Also, the Reference Desk carried-out a platform to facilitate access to the relevant database and documents on several aspects of climate change in Senegal and around the World on agriculture, food security, water resources, and the health sector.

Through the capitalization and dissemination of good practices on climate change adaptation actions, project formulation and implementation, accreditation (...), the Climate Finance Unit (CFU) is actively involved in efforts to support bridge the gap between National Implementing Entities for better improve the resources mobilization. Based on CSE's experience, this request is the focus on concrete actions that will contribute to achieving the three Expected Results (ERs) of the Medium-Term Strategy (MTS) learning and sharing through:

- Set up an information and knowledge management system for the first adaptation project implemented by CSE focus on coastal erosion;
- Develop tools (good practices, policy briefs and lessons learned) on adaptation project formulation, implementation, and completion with AF;

- Exchange visits with one (01) adaptation NIEs about its Information and Knowledge Management system and sharing experience on AF projects.

Describe the activities to be undertaken to share knowledge with other NIEs or the wider climate adaptation community or to develop knowledge/guidelines through partnerships

The activities mentioned below will be implemented under this grant:

Output 1: An Information and Knowledge Management System (IKMS) for adaptation projects implemented by CSE

The project will establish an IKMS which represent a tool for capitalizing all information and lessons learned generated by the implementation of the first project financed by the AF. The IKMS will allow storing and share data, documents, studies reports, reports, maps on coastal erosion and sea-level rise. The IKMS activities will be complementary and synergic with the Reference Desk efforts by focusing more on the concrete adaptive action made and all best practices noted (**see table 1**).

The mains objectives of IKMS are:

1. Document the lessons learned and good practices from the first project;
2. Discuss the experience drawn from the formulation and implementation of the project;
3. Share documents and tools with the various actors to enrich their knowledge on coastal erosion project and AF project formulation.

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- o Activity 1.1. Design of IKMS contents in close collaboration with programs and projects officers at CSE.

The first step in this process is to do a needs analysis to better design the knowledge management tool:

1. A workshop will be conducted with CSE experts and stakeholders who have already developed a platform. The workshop will be attended also by resource persons with experience in platform design (Q1/Yr1);
2. SWOT analysis of existing platforms will be carried out to better frame expectations (Q1/Yr1);
3. Skype sessions will be organized with the AF, WRI and other organizations to discuss their experience in the implementation of a knowledge management tool. Plus, include an innovative touch to the tool that the CSE is putting in place (Q1/Yr1);
4. Design of the IKMS by the workshop: the latter, is outlined to present the design of the platform.

- o Activity 1.2. Establish the IKMS, and train the technical support staff

The establishment of the IKMS will be followed by capacity development training workshops. The IKMS manager will be the main physical interface with users, who will be able to send their requests by email, or by phone. A webmaster will be recruited to set up the IKMS. It will help the knowledge manager and the IT Department of the CSE for the design and the regular update of

the platform. **Tables 2 and 3 summarize** the predefined requirements for the implementation of the system.

Sub-activities include:

- ✓ Establishment of the IKMS, including the creation of a knowledge and database to allow users to get information about CSE adaptation projects;
- ✓ Organization of one workshop on the IKMS content, use, and update, targeting technical staff and all CSE partners (of which 50% of women), (Q1/Yr2)

- Activity 1.3. Update regularly, and evaluate the IKMS

The help desk IKMS technical staff will be in charge of updating regularly the web-based platform, with the contributions of CSE's climate finance unit. This unit will also produce every three months a bulletin on climate finance status, and opportunities to be shared with users through the IKM platform help desk platform. An online survey will be set up every year to evaluate the level of satisfaction of the IKMS and require other needs of users.

This update can be done initially with the resources of the project. For the sustainability of the platform, a budget line will be provided in the projects formulated by the CSE. This will be facilitate the supply of the platform and ensure its updating and maintenance.

This platform will be extended in the long term to all the adaptation projects implemented by the CSE.

Sub-activities include:

- ✓ Elaboration of a bulletin on adaptation projects status, and related opportunities by the CFU (every three months) Q2-Q3-Q4/Yr2.
- ✓ Online survey of the platform use, and level of satisfaction evaluated (Q3-Q4/Yr2)

- Activity 1.4. Exchange visits with one adaptation NIEs to learn about its Information and Knowledge Management system

This will be conducted at the beginning of the process, to see among the NIEs of the FA that has a good knowledge management system. To discuss with it its experiences in matters of setting up a knowledge management system. The purpose of the exchange visit is mainly to learn from the experience of an institution that has had to set up a knowledge management system on implemented adaptation projects.

The selection criteria are: An NIE from the Adaptation Fund, proven experience in the implementation of projects that already have a knowledge management system in place.

Table 1: Potential areas of complementarity

Activities of BRCCAA initiative	Planned activity in Learning grant	Complementarity
<p>Providing relevant climate information from scientific evidence and knowledge generated by academies and research centres to support the implementation of adaptation and mitigation actions in the domains of agriculture and food security, water resources and health sector</p>	<p>Develop tools (good practices, policy briefs and lessons learnt) on adaptation project formulation, implementation and completion with AF;</p>	<p>The focus will remain on climate change with a diversity of information provided. Thanks to the learning grant Interesting products will be developed tracing the life of an adaptation project (dealing with coastal erosion) from its conception, formulation and implementation to its closing phase. Lessons learn and best practices will show through the Community of practice for Direct Access Entities (CPDAEs) initiative and other NIEs. CSE will share also this knowledge through the South South Cooperation.</p> <p>The Reference Desk, for its part, carried-out a platform to facilitate access to the relevant database and documents on several aspects of climate change in Senegal and around the World on agriculture, food</p>

		security, water resources, and the health sector.
Providing capacity building training cover only the needs of actors from agriculture and food security, water resources and health sector for government bodies implementing climate adaptation and mitigation policies;	No activity	
Implementing knowledge management system through the development of a a platform to facilitate the access to relevant database (observation data and projection models) and documents on agriculture and food security, water resources and health sector;	Set up an information and knowledge management system for the first adaptation project implemented by CSE focus on coastal erosion;	The knowledge management system will be integrated into the existing one (The Reference Desk on Climate Change), increasing storage capacity and updating new windows focusing on coastal erosion.

Table 2: Staff resources

Staff	Task
Webmaster	In collaboration with the IT unit, he will be responsible for implementing the IKMS. He will update the database and possibly take care of computer graphics retouching.
Specialist IKMS	Its role is to manage the coherence and content of the system. He will be able to moderate the forum, make relevant choices on the information and knowledge to be capitalized.

Table 3: Materials resources

Designation	Description
CSE Bandwidth Improvement	Have a second connection of 10 Mbits/s with another provider who will allow an improved

	bandwidth, but will also serve as a back-up link.
Printer / Scanner	To scan paper documents An appropriated double-sided scanner should be used to scan all documents (reports, books, etc.) for integration into the system.
Consumables	Toner for a printer
Office equipment	For the IKMS specialist 1 air conditioner, 2 single desks 2 armchairs 2 desktop computers

Output2: A solid knowledge-base (tools, guidelines, and factsheets) is developed in support of the IKMS implementation

All the achievements will be highlighted in CSE's experiences in monitoring the adaptation task. Moving from the process of implementing technical execution studies, the essential data for carrying out coastal protection operations, good practices in terms of monitoring works, specific instruments developed or used in conducting the assessment method (budget involved, external stakeholders involved), tools employed for capturing, managing and disseminating knowledge in the evaluation process, key factors, and means that NIEs are to go to make project implementation more successful.

With the support of the knowledge manager, communication devices will be developed to update the tool

Activity 2.1. Develop tools (good practices, policy briefs/note and lessons learned)

Sub-activities include:

- Identify the appropriate communication tools to develop (Q4/Yr1);
- Develop and translate the communication tools in English for users of the platform (Q4/Yr1).

Activity 2.2. Dissemination of communication tools Q1/Yr2

A Significant work of popularization and dissemination will be done around all the products delivered. The developed platform will serve as a basis to allow the NIEs, national and international actors to grasp from CSE experiences. The annual Adaptation Fund workshops and community of practice meetings for direct access entities will additionally serve as a framework for sharing project results.

Proposed Learning Activities	Description of activities	Expected Output of the Activities	Country/Institution to share/transfer knowledge with/to or to develop guidelines for, including NIE(s)	Requested budget (USD)	Tentative timeline (Completion date)
1. Development of a knowledge management system on direct access	1.1. Design of IKMS contents in close collaboration with programs et projects officers at CSE	1.1.1 A workshop will be organized with CSE experts and Deliverable: Workshop report including the analysis need and SWOT analysis	Republic of Senegal and any person interest by CSE activities	3000	June 2021
		1.1.2 A SWOT analysis of the existing platforms Deliverable: See workshop report mentioned above		6,000	
		1.1.3 Skype sessions will be organized with the AF, WRI and other organizations Deliverable: Minutes of meeting			
		1.2.1 <i>Establishment</i> of the IKMS, including the creation of a knowledge database to allow users to			

Proposed Learning Activities	Description of activities	Expected Output of the Activities	Country/Institution to share/transfer knowledge with/to or to develop guidelines for, including NIE(s)	Requested budget (USD)	Tentative timeline (Completion date)
	<p>1.2. Establish the IKMS, and train the technical support staff</p> <p>1.3 Update regularly, and evaluate the IKMS</p>	<p>get information about CSE adaptation projects: An office will be set up for on-site consultation of all documents designed as part of this process</p> <p>Deliverable: Link of the IKMS User guide of the platform</p> <p>1.2.2 A workshop on the IKMS content, use, and update, targeting technical staff and all CSE partners Deliverable: Workshop report</p> <p>1.3.1 Elaboration of a bulletin on adaptation projects status, and related opportunities by the CFU</p> <p>Deliverables: bulletin on</p>		<p>45,000</p> <p>3,000</p> <p>9,000</p>	<p>January 2020</p> <p>June 2021</p>

Proposed Learning Activities	Description of activities	Expected Output of the Activities	Country/Institution to share/transfer knowledge with/to or to develop guidelines for, including NIE(s)	Requested budget (USD)	Tentative timeline (Completion date)
	1.4 Exchange visits with one adaptation NIEs to learn about its Information and Knowledge Management system	<p>adaptation projects status, and related opportunities</p> <p>1.3.2. Update regularly, and evaluate the help desk system</p> <p>The purpose of the exchange visit is mainly to learn from the experience of an institution that has had to set up a knowledge management system on implemented adaptation projects.</p> <p>Deliverable: TORs of the mission Report mission</p>		10500	January 2021

C. Implementing Entity

This request has been prepared in accordance with the Adaptation Fund Board's procedures

Head of Implementing Entity	Signature	Date (Month, day, year)	Implementing Entity Contact	Telephone	Email Address
Dr Assize TOURE		20 JAN 2020	Ms Aïssatou Boubou SALL	+221 33 825 8066/67 +221 77 685 1590	aissata.sall@cse.sn



D. Record of endorsement on behalf of government

Provide the name and position of the government official, Designated Authority (DA) of the Adaptation Fund, and indicate date of endorsement. The DA endorsement letter must be attached as an annex to the request.

DIOR Alioune SIDIBE Conseiller Technique Direction de l'Environnement et des Etablissements Classés du Ministère de l'Environnement et du Développement Durable	Date: 20-01-2020 
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Endorsement letter by Designated Authority

REPUBLIQUE DU SENEGAL

Un Peuple – Un But – Une Foi



MINISTERE DE L'ENVIRONNEMENT ET DU DEVELOPPEMENT DURABLE

DIRECTION DE L'ENVIRONNEMENT ET
DES ETABLISSEMENTS CLASSES



20 January 2020

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

Subject: Endorsement for grant request to setup a Knowledge sharing framework for the
Adaptation Fund NIEs

In my capacity as designated authority for the Adaptation Fund in Senegal, I confirm that the
above national grant proposal is in accordance with the government's national priorities in
implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate
change in Senegal.

Accordingly, I am pleased to endorse the above grant proposal with support from the Adaptation
Fund. If approved, the project will be implemented by CSE in collaboration with other Adaptation
Fund NIEs.

Sincerely,




Dior Alioune SIDIBE
Technical Advisor

Direction de l'Environnement et des Etablissements Classés du Ministère
de l'Environnement et du Développement Durable