

**PRE-CONCEPT FOR A REGIONAL PROJECT/PROGRAMME****PART I: PROJECT/PROGRAMME INFORMATION**

|                                       |  |
|---------------------------------------|--|
| <b>Title of Project/Programme:</b>    | Promoting Climate-Smart Agriculture in West Africa   |
| <b>Countries:</b>                     | <b>Five(05)</b> Economic Community of West African States – (ECOWAS)member countries: Benin, Burkina Faso, Niger, Togo, Ghana                              |
| <b>Thematic Focal Area 1:</b>         | Food security  |
| <b>Type of Implementing Entity:</b>   | UEMOA’s West African Development Bank (BOAD)   |
| <b>Executing Entities:</b>            | ECOWAS Regional Agency for Agriculture and Food (RAAF/ECOWAS) in collaboration with Directions in Charge of environment in the 5 countries indicated above |
| <b>Amount of Financing Requested:</b> | US\$14 Million   |

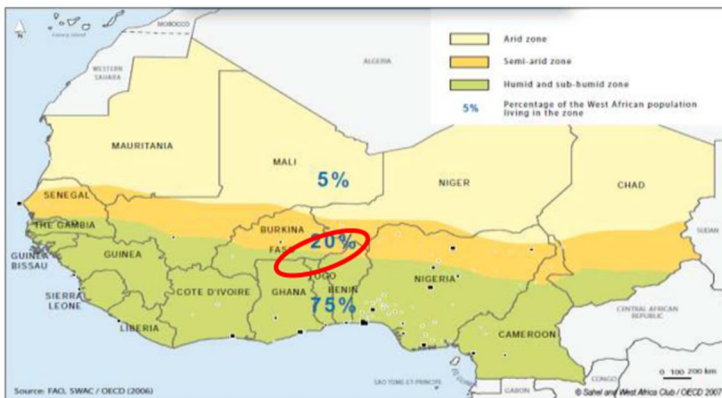
**Project / Programme Background and Context**

In West Africa, agriculture, which provides livelihoods for most of vulnerable population employs 60% of the active population and contributes up to 35% of the GDP. However, it remains highly vulnerable to the adverse effects of climate change and variability as it is mainly rainfed. If agriculture in the region does not adapt to climate change and variability or adopt new technologies, it is forecasted that by 2050, the yields of main crops (millet, sorghum, cowpea, maize) will decrease by 5-22% depending on the type of crops and climate models<sup>1</sup>. This would increase the exposure of over 240 million of West Africans to hunger and food insecurity, especially for the most vulnerable groups (women and children). This vulnerability is much more acute in transboundary agro-climatic areas where climate changes associated with the juxtaposition of various administrative, political and social realities, restrict the implementation of efficient, coordinated and coherent initiatives. To address this challenge, the characteristics of these strategic areas in terms of economic and demographic flows require regional approaches, especially in the most vulnerable agro-ecological zones.

Faced with this situation, ECOWAS and UEMOA member states and their technical and financial partners in the agricultural sector met in Bamako (Mali) in June 2015 and undertook to work for a

Climate-Smart Agriculture (CSA) in WA. A regional Climate-Smart Agriculture Alliance was created with a 2025 vision: “25 million West African households will have adopted new agricultural practices to address climate constraints and ensure food security and nutrition; sustainable development and environmental management would be strengthened”.

This project falls within the framework of implementing ECOWAS’s and UEMOA’s agricultural policy and the 2014 Malabo Declaration in which



African Heads of States committed to intensify agriculture to ensure food security in a context of global changes. It will be implemented in the most environmental vulnerable zone covering Northern Togo and Benin, South-western Niger and south-eastern Burkina Faso.

**Project / Programme Objectives**

The overall objective of the project is to contribute to developing climate-smart agriculture in West Africa in order to strengthen the resilience of vulnerable populations through improved productivity and agricultural incomes. **The specific objectives** are the dissemination of best practices, the integration of CSA in strategies/policies and knowledge management within a transboundary zone with agro-ecological coherence in terms of vulnerability.

<sup>1</sup>Climate Change, Agriculture and Food Security (CCAFS, 2015)



ADAPTATION FUND

| Project/Programme Components  | Expected Outcomes  | Expected Outputs   | Amount (*1000 USD)                                     | Countries involved  |
|---|--|--|--|---|
| Component 1:<br>Dissemination of innovative and regional agricultural best practices related to climate change adaptation   | 1.1. Climate change and risks adaptation techniques and practices improved and adopted by producers in the selected agro-ecological zone.  | <ul style="list-style-type: none"> <li>Climate services (agroclimatic, meteorological information, seasonal forecast, etc.) adapted to needs of each category of producers are produced and disseminated to users (producers and technicians and extension services).</li> <li>The catalogue of existing climate change and variability adaptation expertise, techniques and practices in the target sites is completed and a database of best practices is available at regional level</li> <li>Dissemination and upscaling at regional level of innovative agricultural best practices for climate risks adaptation are improved and adopted by actors of the value chains at the regional level. Cross-border regional projects on scaling up innovative agricultural best practices related to adaptation in similar agro-ecological zones are implemented</li> </ul>          | <p>900</p> <p>100</p> <p>8000</p>                      | <p><b>Benin</b></p> <p><b>Burkina Faso</b></p> <p><b>Ghana</b></p> <p><b>Niger</b></p> <p><b>Togo</b></p> |
| Component 2:<br>Mainstreaming innovative agricultural best practices related to climate change adaptation in strategies/policies/projects at national and regional levels | <p>2.1. Resources mobilized and allocated to the dissemination of innovative best practices related to adaptation to climate change are increased.</p> <p>2.2. Synergies and complementarities between regional and national projects on innovative best practices related to adaptation to climate change are implemented and strengthened.</p> | <ul style="list-style-type: none"> <li>The technical capacity of a critical mass of field operators (NGOs, cooperatives, extension services) are strengthened to promote innovation and agricultural best practices related to climate change adaptation.</li> <li>The technical capacity of national and regional policy maker and experts in charge of formulation and implementing national and regional strategies, projects and programmes is strengthened to mainstream best practices related to adaptation to climate change and to mobilize international climate fund</li> </ul>   | <p>1000</p> <p>500</p>                                 | <p><b>Benin</b></p> <p><b>Burkina Faso</b></p> <p><b>Ghana</b></p> <p><b>Niger</b></p> <p><b>Togo</b></p> |
| Component 3:<br>Management of knowledge on agricultural best practices related to climate change adaptation   | 3.1. Knowledge on agricultural best practices related to climate change adaptation is strengthened and disseminated.   | <ul style="list-style-type: none"> <li>Action-Research programmes on agricultural techniques and practices for climate risks adaptation taking into account current and future scenarios are realized and validated with producers.</li> <li>The capacity and knowledge on current and future climate change, its impacts and the tools for community resilience is strengthened in the selected agro-ecological zone.</li> <li>The sharing of regional experiences and expertise on agricultural best practices related to climate risks adaptation is strengthened.</li> <li>A mapping of smart farming agricultural techniques related to climate change and its potential expansion in the climate zone in West Africa is available</li> <li>A web portal for sharing and disseminating best practices for adaptation to climate change in West Africa is available</li> </ul> | <p>800</p> <p>200</p> <p>300</p> <p>100</p> <p>100</p> | <p><b>Benin</b></p> <p><b>Burkina Faso</b></p> <p><b>Ghana</b></p> <p><b>Niger</b></p> <p><b>Togo</b></p> |
| <b>Project/programme Execution Cost</b>   |  |  | <b>868</b>   |   |
| Total Project/Programme Cost  |  |  | <b>12 868</b>  |   |
| <i>Cycle Management Fee charged by Implementing Entity (8,5% x Total Project/Programme Cost)</i>  |  |  | <b>1 132</b>   |   |
| <i>Amount of Financing Requested</i>  |  |  | <b>14 000</b>  |   |



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**The project has the following innovative approaches:** (i) Approaches to promoting scaling up innovative agricultural best practices related to adaptation to climate change: Call for proposals will be launched to select and finance cross-border innovative projects led by producer organizations, communities, private sector actors. This approach allows to take into account the technical and financial capacity of the organizations, the innovative nature of the projects; (ii) introduction of new tools (multi-criteria analysis of innovative best practices related to adaptation to climate change (economic and financial analysis, climate change modeling); (iii) The creation of a repository of innovative best practices accessible to national and regional institutions; (iv) Research-action involving producers and taking into account of their concerns, and current variability and climate change prediction models; (v) integration of climate change in the national and regional policies strategies and in particular in the review of agricultural policy of ECOWAS and UEMOA; (vi) this project reinforces cooperation among intergovernmental organizations involved (ECOWAS/ARAA, BOAD, UEMOA, CILSS), and their relationship to the Adaptation Fund and also with project beneficiaries.

**Project Duration: (*In years and months*): 3years (36 months)**

## **PART II: PROJECT / PROGRAMME RATIONALE**

**Despite being a low emitter of greenhouse gases (<1%), West Africa is highly vulnerable to the impacts of global climate changes, especially in the agricultural sector which is the cornerstone of its economy (reduced production, natural resources degradation, etc.).** For over a decade, the various initiatives developed in the ECOWAS/UEMOA region, have however produced significant results and enabled progress in the area of inventory, experimentation, promotion and dissemination of best practices related to adaptation to climate change. These achievements have contributed to strengthening strategic and operational frameworks of intervention mainly at local level.

However, it should be noted that these achievements have not been sufficiently upscaled and there is a lack of functional handover at local level in the technical and financial planning of adaptation interventions. Even though adaptation projects are developed at national level to cover the entire country, their conception is highly centralized at the level of sector ministries administrations and their implementation focuses on selected regions in the countries. The decentralized services, producers and local communities mostly affected by the adverse effects of climate change and variability are not sufficiently empowered, mobilized and involved. This observation is all the more true in transboundary agro-climatic areas where climate changes associated with the association and juxtaposition of various administrative, political and social realities, restrict the implementation of efficient, coordinated and coherent initiatives to adapt agro-silvo-pastoral activities to climate risks. And this increases the vulnerability of populations living in these areas to climate change. Through this project, ECOWAS and UEMOA intend to address the double challenge of controlling the effects of climate change and improving food and nutrition security among the populations living in transboundary agro-climatic areas. The various constraints will be overcome through the synergies planned between the regional or national projects and programmes, the management of knowledge on best practices related to adaptation to climate change and their integration in agricultural development strategies. The proposed project aims at strengthening the dissemination of best practices related to adaptation to climate change. These practices enable to significantly improve yields in an environment subjected to climate changes. This is the case of rainwater catchment basins, agroforestry, intensive rice production systems, various water and soil conservation and restoration techniques (stone bonds associated with several developments such as half-moons, zaï holes, etc.), soil fertility improvement systems (organic fertilizers, microdoses, etc.) living soil cover systems, etc. The promotion of these practices will be accompanied by agro-meteorological and climate advisory support. Action-Research and knowledge dissemination activities will also be conducted based on stakeholders' needs. Past experiences have shown that scaling up best practices requires significant resources notwithstanding its potential in adapting agriculture to climate change. This project is designed as a pilot phase. Capitalizing on the achievements made in terms of best practices will facilitate knowledge transfer to feed into a latter phase of expansion to the sub-region.



### **Duplication of project / programme with other funding sources.**

By virtue of its scope and approach, the project has a significant replication potential in the sub-region or Africa Region. It falls under the implementation of UEMOA and ECOWAS' agricultural policies. Moreover, as an offshoot of the West African Climate Smart Agriculture Alliance (WACSAA), it shares into the pooling and complementarity of interventions. Synergies will be implemented between the project and the following ongoing climate adaptation programmes in the ECOWAS/UEMOA region: (i) The Project to strengthen the investment capacity in agriculture and climate change of 15 West African countries, led by ECOWAS, funded by NEPAD/Climate Fund (Germany); (ii) The Strategic Programme for reducing vulnerability and promoting climate adaptation in WA, led by ECOWAS and funded by Sweden; (iii) The project funded by the European Union in the context of the 11th EDF the intervention themes of which are being defined; (iv) The Special Programme for Food Security in UEMOA funded by BOAD.

### **The cost-effectiveness of the proposed project/programme, explaining how the regional approach would support cost-effectiveness.**

Built on a logic of capitalizing on the achievements of interventions by sub-regional organizations (CILSS, IUCN, CORAF, etc.) that will be handed over to BOAD and RAAF, this project presents a clear cost-effectiveness ratio as regards coordination and implantation of activities in the cross-border zone. This aspect is reinforced by the economies of scale induced by the mobilization of regional skills and experts familiar with regional approaches in subsidiarity with national issues.

The project will focus on regional dimension by addressing primarily comparative advantage of cross-borders issues which are common in the selected agro-climatic (most of the activities listed above deals with the regional level review regional agricultural policy to take into account climate change dynamics, regional experts pooled resource mobilization, and technical web mapping repository adaptation, consulting Ag Weather, tools). Sharing of experiences between countries will enable rapid technological transfer of innovative regional best practices for adaptation to climate change.

### **How the project/programme would be consistent with national or sub-national sustainable development strategies**

In its implementation approach, the project fits into regional agricultural and environmental policies (PAU/UEMOA; PCAE/UEMOA; ECOWAP-CAADP/ECOWAS and ECOWEP). These policies have been translated into a Regional Agricultural Investment Plan (RAIP), the into National Agricultural Investment Plans (NAIPs), the National Adaptation Programme of Action (NAPAs), the National Adaptation Plans (NAPs) and the development of national communications. The project is also in line with the intended nationally determined contributions (INDC) for COP 21 and the actions of the Global Alliance for Resilience (AGIR) – Sahel and West Africa.

### **How the sustainability of the project/programme outcomes would be taken into account when designing the project / programme)**

Project sustainability will be ensured at various levels: (i) the actions of Component 1 will be implemented by field operators and the relevant sub-regional community-based organizations selected by the call for proposals. The capacity of these entities will subsequently be strengthened during the implementation of the project so that they can be able to take over at the end of the project. (ii) The sustainability and ownership of actions will be strengthened by Components 2 and 3 which aim at strengthening the capacity of key stakeholders at national and regional levels.

### **The learning and knowledge management component to capture and disseminate lessons learned**

Knowledge management and lessons learned will be key actions of component 3. They will be carried out through the production and dissemination of information via the web portal, notes to decision makers, press releases, scientific publications, databases on practices and the awareness tools (documentary films, commented visits of CSA's developments, etc.)



### **The environmental, economic and social impacts and risks**

The promotion of climate-smart agriculture practices will lead to a moderate carbon production, and thus less greenhouse gases emission. It also enables carbon sequestration (case of agroforestry, live soil covers, waste recovery through composting, etc.) thus creating positive ecosystem services. In sum, from the environmental point of view, the project will enable to control land degradation and will strengthen biodiversity. Implementation-related risks will be addressed in an adapted mitigation strategy. At social level, it will strengthen resilience among the communities through the diversification of livelihoods and income sources.

### **Role of gender and vulnerable groups in the project**

In the zone of intervention, eligibility criteria for direct beneficiaries will focus on taking into account gender issues and vulnerable populations. The project plans to develop stronger partnerships with women's and youth's organizations involved in the development of agro - pastoral farms.


**PART III: IMPLEMENTATION ARRANGEMENTS** As the regional entity accredited by the Adaptation Fund, BOAD will lead the project and will be in charge of the financial and administrative management. The delivery of technical activities will be coordinated by ECOWAS' Regional Agency for Agriculture and Food (RAAF). The members of the West African Alliance for CSA (WACSAA) will be closely associated to the implementation of actions based on their respective comparative advantages. At local level, producers' organizations, local communities and organizations will implement the activities. For example Network of farmer organizations and Agricultural producers in West Africa (ROPPA APRESS, RBM, CCR-B in Benin, RECA and ABC-Ecology in Niger,...), women's organizations, youth organizations, private sector (AAFEX, RECAO, FEWACCI...) will be involved in the implementation. For all activities taking place in the Benin Zones, the National Implementation Entity Adaptation Fund will be consulted and involved in the implementation to maximize synergies and avoid duplication with the ongoing actions. The Benin National Implementation Entity Adaptation Fund will in particular contribute to scaling up in Benin innovative best practices from other countries and having the same agro ecological conditions.

**PART IV: ENDORSEMENT BY GOVERNMENTS AND CERTIFICATION BY THE IMPLEMENTING ENTITY**

**A. Record of endorsement on behalf of the government: ECOWAS and authorities of the beneficiary countries**

|   |  |
|---|--|
| Ibrila DJIBRIL<br>Adaptation Fund National Designated Authority<br><b>Benin</b>                               | Date: 11 August 2015                     |
| Lassane KABORE<br>Adaptation Fund National Designated Authority,<br><b>Burkina Faso</b>                       | Date: 12 August 2015                     |
| HON. Mahama Ayariga (MP)<br>Ministry of Environment, Sciences, Technology and Innovation<br>AND Fund in Ghana | 17 August 2015                           |
| Kamaye Maâzou<br>Adaptation Fund National Designated Authority,<br><b>Niger</b>                               | Date: 20 August 2015                     |
| Thiyu ESSOBIYOU<br>Adaptation Fund National Designated Authority,<br><b>Togo</b>                              | Date: 20 July 2015                       |
| Dr. Lapodini Marc ATOUGA, <b>ECOWAS'</b> Commissioner of Agriculture,<br>Environment and Water Resources      | Date: (Month, day, year)<br>01 July 2015 |

**B. Implementing Entity certification BOAD**

|  |   |
|--|---|
| I certify that this proposal has been prepared in accordance with guidelines provided by the Adaptation Fund Board, and prevailing National Development and Adaptation Plans ( <b>i</b> ) Regional Agricultural Investment Plan (RAIP), <b>ii</b> ) National Agricultural Investment Plans (NAIPs), <b>iii</b> ) National Adaptation Programme of Action (NAPAs), <b>iv</b> ) National Adaptation Plans (NAPs) and <b>v</b> ) national communications.) and subject to the approval by the Adaptation Fund Board, commit to implementing the project/programme in compliance with the Environmental and Social Policy of the Adaptation Fund and on the understanding that the Implementing Entity will be fully (legally and financially) responsible for the implementation of this project/programme. |   |
| <b>Implementing Entity Coordinator</b>   |   |
| Mr. Daouda BERTE<br>Directeur de l'Environnement et de la Finance Climat, p.i<br>Banque Ouest Africaine de Développement (BOAD)  |   |
|    |   |
| 1, September 2015  | Tel. and email: +228 22 23 25 24<br>ambengue@boad.org |
| Project Contact Person:<br>Mrs. Fatoumata SANGARE TOURE  |   |
| Tel.: +228 22 23 27 96<br>Email: ftoure@boad.org   |   |



REPUBLIQUE DU BENIN

MINISTERE DE L'ENVIRONNEMENT, CHARGE DE LA GESTION  
DES CHANGEMENTS CLIMATIQUES, DU REBOISEMENT ET DE LA PROTECTION  
DES RESSOURCES NATURELLES ET FORESTIERES

AUTORITE NATIONALE DESIGNEE DU BENIN POUR LE FONDS D'ADAPTATION

Cotonou, 11<sup>th</sup> August 2015

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

Subject: Endorsement for Project "Enhancing the resilience to climate change of populations in West Africa by promoting the dissemination of practices of Climate Smart Agriculture".

In my capacity of Benin's Designated National Authority for the Adaptation Fund, I confirm that the above regional project proposal is in accordance with the Government's national priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by the climate change in Benin.

Accordingly, I am pleased to endorse the above project/programme proposal with support from the Adaptation Fund. If approved, the project/programme will be implemented by the Banque Ouest Africaine de Développement (BOAD) in collaboration with the Economic Community of West African States (ECOWAS) and executed by the General Directory of Climate Change (GDCC) of Benin.

Designated National Authority,

  
Ibila DJIBRIL

CC:

M. Théophile C. WOROU, Minister of Environment in charge of Climate Change

M. Imorou OURO-DJERI, SG du Ministère

M. Julien ADOUNKPE, DGCC.

# MINISTRY OF ENVIRONMENT, SCIENCE, TECHNOLOGY & INNOVATION

Our Ref: .....

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Republic of Ghana

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Accra, Ghana.

17th August, 2015

**THE ADAPTATION FUND BOARD**  
**C/O ADAPTATION FUND BOARD SECRETARIAT**  
**Email: [Secretariat@Adaptation-Fund.org](mailto:Secretariat@Adaptation-Fund.org)**  
**Fax: 202 522 3240/5**

**ENDORSEMENT FOR PROJECT "ENHANCING THE RESILIENCE TO CLIMATE  
CHANGE OF POPULATIONS IN WEST AFRICA BY PROMOTING THE  
DISSEMINATION OF PRACTICES OF CLIMATE SMART AGRICULTURE".**

In my capacity as designated authority for the Adaptation Fund in Ghana, I confirm that the above regional project 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 Ghana.

Accordingly, I am pleased to endorse the above project/programme proposal with support from the Adaptation Fund. If approved, the project/programme will be implemented by Banque Ouest Africaine de Développement (BOAD) in collaboration with the Economic Community of West African States (ECOWAS) and executed by the Directorate in charge of Environment at the Ministry of Environment, Science, Technology and Innovation.

Kindly accept our assurances of highest esteem.

**HON. MAHAMA AYARIGA (MP)**

**MINISTER.**





ADAPTATION FUND



**Burkina Faso**  
Unité-Progress-Justice

## Letter of Endorsement by Government

Ouagadougou, 12<sup>th</sup> August, 2015



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

Subject: Endorsement for Project "Enhancing the resilience to climate change of populations in West Africa by promoting the dissemination of practices of Climate Smart Agriculture".

In my capacity as designated authority for the Adaptation Fund in Burkina Faso, I confirm that the above regional project 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 Burkina Faso.

Accordingly, I am pleased to endorse the above project/programme proposal with support from the Adaptation Fund. If approved, the project/programme will be implemented by Banque Ouest Africaine de Développement (BOAD) in collaboration with the Economic Community of West African States (ECOWAS) and executed by technical Ministries and actors of Burkina Faso.

Sincerely,

**Mr Lassane KABORE**  
**Adaptation Fund – National Designated Authority**  
Directeur General

La Cooperation du Ministère de l'Économie et des Finances  
03 BP 7063 Ouagadougou 03 - Tel: +226 50 31 25 50-Fax : (226) 25315409  
Email: [lassane.kabore@finances.gov.bf](mailto:lassane.kabore@finances.gov.bf) - [chlaskab@yahoo.fr](mailto:chlaskab@yahoo.fr)

REPUBLIQUE TOGOLAISE

*Travail Liberté Patrie*

Ministère de l'Environnement et des Ressources Forestières

Direction de l'environnement



ADAPTATION FUND



Letter of Endorsement by Government

Lomé, 20<sup>th</sup> July, 2015

To : The Adaptation Fund Board  
c/o Adaptation Fund Board Secretariat  
Email: [Secretariat@Adatation-Fund.org](mailto:Secretariat@Adatation-Fund.org)  
Fax: 202 522 3240/5

Subject: Endorsement for Project "Enhancing the resilience to climate change of populations in West Africa by promoting the dissemination of practices of intelligent agriculture".

In my capacity as designated authority for the Adaptation Fund in Togo, I confirm that the above regional project 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 Togo.

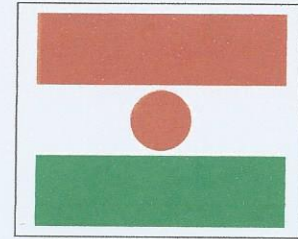
Accordingly, I am pleased to endorse the above project proposal with support from the Adaptation Fund. If approved, the project will be implemented by Banque Ouest Africaine de Développement (BOAD) and executed by Direction de l'Environnement du Togo.

Sincerely.



Thiyu ESSOBIYOU

Adaptation Fund National Designated Authority



Letter of Endorsement by Government of Niger

00191

Niamey, 20 août 2015

**To :** The Adaptation Fund Board  
c/o Adaptation Fund Board Secretariat  
Email: [Secretariat@Adaptation-Fund.org](mailto:Secretariat@Adaptation-Fund.org)  
Fax: 202 522 3240/5

Subject: Endorsement for Project "Enhancing the resilience to climate change of populations in West Africa by promoting the dissemination of practices of Climate Smart Agriculture".

In my capacity as designated authority for the Adaptation Fund in Niger, I confirm that the above regional project 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 Niger.

Accordingly, I am pleased to endorse the above project/programme proposal with support from the Adaptation Fund. If approved, the project/programme will be implemented by Banque Ouest Africaine de Développement (BOAD) in collaboration with the Economic Community of West African States (ECOWAS) and executed by Conseil National de l'Environnement pour un Développement Durable of Niger.

Sincerely.



Adaptation Fund - National Designated Authority