

# International Renewable Electrification and Safe Drinking Water Supply Program – PoA

## Key Project Information

The mission of this planned Programme of Activities (“PoA”) named “International Renewable Electrification and Safe Drinking Water” is to increase the general access to electricity and safe drinking water from renewable energy sources in the selected countries. All project activities under this PoA will employ technologies based on renewable energies to reduce the greenhouse gases emissions by displacing the conventional energy sources.

For this purpose, the PoA will be registered under the Clean Development Mechanism (CDM) of the UNFCCC and the Gold Standard, a standard established by the Gold Standard foundation in Switzerland which certifies projects saving greenhouse gas emissions, according to high environmental and social standards. This project description has the purpose to inform stakeholders in the context of the design consultation and the local stakeholder consultation. These consultations are part of the Gold Standard certification procedure.

### 1. Project Description and Design

#### Project Type

Renewable Energy or Community Services Activity

All Compound Project Activities (“CPA”)/Voluntary Project Activities (“VPA”) will be based on renewable energy technologies in order to reduce the greenhouse gases emissions by displacing the conventional energy sources.

#### Methodologies

The CPAs/VPAs of this PoA are open to all technologies and measures based on renewable energies which are in line with the requirements of the following CDM Small-Scale Methodologies:

- AMS-I.D. - Grid connected renewable electricity generation
- AMS-I.L. - Electrification of rural communities using renewable energy
- AMS-III.AV. - Low greenhouse gas emitting safe drinking water production systems

#### Technologies

Possible technologies installed under the PoA include, but are not limited to:

- Solar photovoltaic for electricity production (on- and off-grid)
- Renewable biomass for electricity production
- Solar-PV powered Reverse Osmosis water purification technology



*Figures 1 & 2: Photovoltaic power plants in Senegal and Iraq*



*Figure 3: An employee of Anka Madagascar connecting new connections to a solar mini-grid*



*Figure 4: Water kiosk by Boreal Light*

Project Participants  
atmosfair gGmbH so far is the sole project participant.

Location and boundary

The geographical boundary of the PoA will be the following countries:

Benin, Brazil, Burkina Faso, Columbia, Costa Rica, Ethiopia, Ghana, Guinea, Haiti, India, Kenya, Lesotho, Madagascar, Malawi, Mali, Morocco, Mozambique, Namibia, Nicaragua, Nigeria, Tanzania, Togo, Venezuela, Vietnam, Zambia

#### Project scale

The PoA is open to implement Small- or Micro-Scale CPAs/VPAs.

#### VPA Inclusion Management System

atmosfair gGmbH, the Coordinating Managing Entity of this PoA, prepared the following CPA/VPA Inclusion Management System:

##### **a) Roles and responsibilities**

The CME has the competencies to check the features of potential CPAs/VPAs and ensure that each CPA/VPA meets the eligibilities criteria. There will be a person in the CME taking the final decision on VPA inclusions and coordinating monitoring and data management. The CME may decide to transfer these responsibilities to a Project Partner.

##### **b) Training and capacity development**

The CME coordinates training for all the staff and external CPA/VPA implementers. Training is needed to ensure that the implementation of new projects occurs in accordance to the requirements of the PoA and particularly that monitoring activities are conducted as per requirements.

##### **c) Procedure for VPA inclusion**

Each CPA/VPA to be included into the PoA will be checked by the responsible person against eligibility criteria. The responsible person will check the following:

- Overall general completeness of the CPA/VPA documentation (technology, institutions involved, additionality, etc.)
- Technical review of the proposed CPA/VPA

##### **d) Double counting**

Every VPA to be included in the PoA will be contracted on the basis that is exclusive to atmosfair gGmbH. To fulfil this legal exclusivity requirement, each CPA/VPA will undergo a double accounting check to ensure that it has not already been registered as a GS project activity or as a CPA/VPA in another PoA.

To further safeguard against double accounting, the CME will request that all CPA/VPA implementing entities confirm in writing, or through a contractual arrangement, that their project is not part of a separate CDM project activity or is also a CPA/VPA under another PoA.

##### **f) Continuous improvements of the PoA management system**

On an annual basis, the CME will undertake the review of the overall PoA management system, including identifying any problems with CPA/VPA inclusion.

## 2. Social, economic and environmental benefits and impacts

The aim of the PoA is to increase the access to renewable energies and safe drinking water, which results in various social, economic and environmental benefits. Therefore, the PoA will contribute to at least the following Sustainable Development Goals:

- SDG 6: Clean water and sanitation  
Target 6.1. By 2030, achieve universal and equitable access to safe and affordable drinking water for all  
 → The PoA ensures easy and affordable access to clean and safe drinking water to the population.
- SDG 7: Affordable and clean energy  
Target 7.3 By 2030, double the global rate of improvement in energy efficiency  
 → The PoA increases the access to renewable energies.
- SDG 8: Decent work and economic growth  
Target 8.5. By 2030, achieve full and productive employment and decent work for all women and men  
 → The project activities under this PoA will create new jobs for local people mainly in the maintenance and operation of the solar energy plants or of the waterkiosks.
- SDG 13: Climate Action  
Target 13.2 Integrate climate change measures into national policies, strategies and planning  
 → By displacing non-renewable biomass as means of energy production or water purification with renewable energies, the PoA reduces GHG emissions.

### 3. Contact Information

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