



GLOBAL SAFE WATER PROGRAMME OF ACTIVITIES (POA)

Project implementer: Impact Water

PROJECT SNAPSHOT

The PoA has been developed as a multi-country small-scale CDM PoA, covering Rwanda, Uganda, Nigeria and Kenya. Impact Water, in cooperation with local and international suppliers manages the design and implementation of the PoA, distributing water treatment systems to schools, thereby increasing access to hygienically-safe drinking water for students and teaching staff. The treatment system is based on filtration and disinfection through ultra-violet (UV) technology or chlorine tablets, followed by storage of the treated water in a suitable tank. The water systems replace water boiling through mostly unimproved cook stoves with wood and charcoal, thus reducing related carbon emission.

The PoA has developed better than originally expected emission reduction potential due to the higher number of students accessing the safe water provided. In Uganda only, the PoA meanwhile provides safe water for almost 2000 schools, with the number of students almost reaching 1 million. In total, the PoA aims to reach around 5 million people, effectively reducing waterborne diseases while saving carbon emissions. To date, 37 CPAs have been registered across Uganda, Kenya and Nigeria.

In 2015, the Foundation has provided upfront financing to Impact Water in return for later delivery and cancellation of emission reductions resulting from the PoA, allowing the project partner to initiate and scale its operations in Uganda. "The upfront financing by the Foundation has been crucial for us to build up expertise, refine our marketing approach and business model and even to obtain follow-on emission purchasing contracts by other European governmental carbon buyers for expanding our operations to other countries in the region", Evan Haigler, Impact Water's CEO, explained during a recent project visit by the Foundation in November 2018.

KEY FACTS AND ACHIEVEMENTS

- Registered as PoA at UNFCCC in 5/2014
- Distribution of over 2000 water systems by 2018
- Substantial potential to scale-up the PoA across the region
- Outperforms on carbon emission reductions with more than 300,000 CERs expected to be cancelled on behalf of the Foundation by 2021 and a first successful issuance (64,000 CERs) in January 2019.
- Wide range of co-benefits related to health improvement.



COBENEFITS AND CONTRIBUTION TO SDGs

3 GOOD HEALTH AND WELL-BEING

Reduction of incidences of waterborne diseases (e.g. typhoid, diarrhoea)

Benefit stressed at site visits by all headmasters / teachers, also reaching population living close to schools

15 LIFE ON LAND

Reduction deforestation and forest degradation in areas where non-renewable biomass is used as a source of fuel. Contribution to biodiversity protection.

Benefit mentioned by several headmasters / teachers

3 GOOD HEALTH AND WELL-BEING **5 GENDER EQUALITY**

Reduction of indoor pollution due to firewood / charcoal use for boiling water, reducing negative effects on health

Benefit mentioned in CPA-DD

1 NO POVERTY **7 AFFORDABLE AND CLEAN ENERGY** **10 REDUCED INEQUALITIES**

Reduction of expenses for fuelwood and charcoal, freeing budget for other activities/needs

Benefit stressed at site visits by all headmasters / teachers