

MICROGRANT AWARDEE OVERVIEW

Please complete the below sections about your awarded project. This information may be used by the ARA in its communications via its blog, social media and newsletter. It will also be used to facilitate project partnerships with ARA members.

Project name: Addis Ababa Water and Sewage Authority (AAWSA)

Project country: Ethiopia

Project description (200 words max): Addressing water security challenges under uncertain futures.

Addis Ababa city is experiencing rapid urbanization and population growth. Rapid development and climate change impacts are outpacing the implementation of water management plans to address complex water issues like transboundary water allocation, water scarcity, flooding in the Akaki River, insufficient wastewater treatment, and water-borne health issues. Such interlinked and compounding factors affect water security and require diverse stakeholders to come together and identify feasible and acceptable adaptation strategies.

Through the ARA-funded Addis Ababa Adaptation Network, led by the Addis Ababa Water and Sewerage Authority, we are connecting stakeholders and creating favorable conditions to sustain a network that will collaborate and coordinate to address risks and enhance water security. Stakeholders will co-produce knowledge about the system, identify changing risks, and co-create adaptation strategies during a co-production workshop. They will coordinate efforts to co-design and implement such strategies and will identify research needs that enable adaptation action. South-south and north-south knowledge exchanges through webinars will help the network learn from global experiences and support the city's water supply and sewerage authority to tackle the water security issues of Addis Ababa.

How your project can contribute to local climate adaptation

(200 words max):

Addis Ababa adaptation Network (AAAN) will enable knowledge co-creation to inform the adaptive management of the water sector of Addis Ababa city. The network provides a platform for AAWSA and stakeholders address the following issues:

- Assess the capability of the existing water facilities in adapting to climate change.

- Play a vital role in selecting and using new water treatment, irrigation, and recycling technologies.
- Support planning and implantation of climate resilient water infrastructure such as water supply, treatment plants, reservoirs, recreational and irrigation uses within the city and surroundings,
- Address the collaborators to enhance the issue of climate change in the existing legal frameworks such as legislation, laws, and regulations,
- Enable AAWSA and stakeholders to forester monitoring of water pollution, flooding, and water-related health issues,
- Consider the issues of availability in nature and ability of the water supply to meet the demand of water users concerning population growth and climate change,
- The corresponding solutions that have worked in the past could potentially provide value in the future concerning climate change adaptation.

Overall, AAAN is expected to provide solutions to multidimensional water security challenges Of Addis Ababa city.

What you hope to achieve by working with the AR (80 words max):

Addis Ababa Adaptation Network (AAAN) is a platform for including different perspectives and identifying the different ways in which the network provides value to the city's water security stakeholders. The network was kicked off by a workshop held on 1st and 2nd April 2022 by identifying water security challenges and solutions in the city. The workshop highlighted the importance of multi-stakeholder involvement in identifying such complexity to enhance relevance and legitimacy in developing adaptation strategies to climate change.

Project image: Please add an image relating to your project to this Google folder
Here is the link for the one minute video about the project

<https://drive.google.com/file/d/1Uq0M1qfWeJTPW4C5EKA0c78OI9vxSNd3/view?usp=sharing>

Pictures; Legedadi reservoir, water treatment plant, Kality wastewater treatment plant and AAAN workshop pictures AAWSA_Kality wastewater treatment plant

















