WADER |WATER TECHNOLOGIES DEMONSTRATION PROGRAMME

SUSTAINABLE DEVELOPMENT GOALS (SDG) focus area(s)

APPLICATION DEADLINE

15th August 2020 (extended)
The initial deadline was the 31st of July 2020, an extension has been granted.

BACKGROUND

The Water Technologies Demonstration Programme (WADER) invites Expressions of Interest (EOI) from **technology developers/vendors** in response to the annual WADER Water Accelerator Call focusing on **technologies/solutions that would contribute to key objectives of the National Water Roadmap**. The Department of Science and Technology (DST), in collaboration with the Water Research Commission (WRC), has established WADER to pull together the applied research and development and commercialisation stages of the water innovation continuum. Acting as an innovation intermediary, the Programme's mission is to **facilitate high-level, collaborative technology demonstrators from the public and private sectors to maximise the potential of the water innovation value chain**. The **objective** of the WADER Water Accelerator is to **promote the early adoption of promising technologies and accelerate innovation in the water sector by showcasing technologies that have gone through a credible assessment process**. Through a series of open calls for water technologies - which are in the emerging, precommercial or newly commercialised stages of diffusion - innovative water and sanitation technologies will be identified, evaluated and showcased to various interested parties such as municipalities and industry.

The National Water Research, Development, and Innovation (RDI) Roadmap provides a structured framework to focus the contribution of RDI activity to the **implementation of national policy, strategy and planning in water resources management** in South Africa. This has been achieved by means of a National Water Research, Development, and Deployment (RDD) Programme focused on: **delivery of at least one breakthrough technology every five years; increasing the number of small and medium sized enterprises operating in the water sector; increasing access to water for rural communities, including provision of sanitation for all in a sustainable manner resulting in significant economic, health, social and environmental benefits.**

ELIGIBILITY CRITERIA

Researchers who can demonstrate the underlying scientific principles behind the technology, provide the rationale supporting design features, fabrication and implementation costs, operations and maintenance requirements, level of readiness for operation, target location (rural, peri-urban and/or urban), and detail any previous demonstrations/implementation (number of units installed, performance metrics, location, scale, partners, performance outputs).

IMPORTANT NOTIFICATIONS:

- The call is looking to identify highly innovative technologies and practices in the following categories:
  -Water related alternative energy sources
  -Alternative sources of water
  -Non-Revenue Water
  -Water Reuse (Industrial/Domestic Wastewater/Greywater/Mine Water)
  -Innovative low energy technologies to store/or treat water at households and local scales.
  -Innovative decentralised low energy sanitation systems.
  -Smart Water Conservation Demand Management (WCDM) devices for commercial buildings and/or households.
  -Smart apps to support behavioural change and practice for consumers and their municipalities.

-Smart technologies to manage water distribution and sewerage systems.
-Smart and IoT innovations for water supply e.g. devices, drones, sensors
- Submissions should provide sustainable water and sanitation solutions to urban, peri-urban and/or rural areas and take into account operational effectiveness, social preferences, water resource availability, affordability, possible beneficiation of waste products, economies of scale and cost reductions.
- The WADER programme does not have a set budget for water innovation demonstrations. The proposer will have to **propose the funding amount required for the proposed demonstration**.
- **The call requires for the project(s) that will be selected for the 2020/2021 financial year to be concluded by March 2021.**
- **Preference will be given** to those solutions that are in the **emerging, pre-commercial or newly commercialised stages of diffusion**. Please note that the WADER platform is new with limited budget hence the focus of the call is on highly innovative solutions and **NOT CONVENTIONAL AND ESTABLISHED TECHNOLOGIES**.
- Inclusion of a marketing and communications plan, human capital development with a particular focus on female entrepreneurs and potential for SMME development in the proposal will add value.

HOW TO APPLY

- Applications must be submitted on the WRC Business Management System (BMS) portal.
- EOI template can be downloaded here.
- The EOI should be concise and include diagrams and photos.
- Application guidelines can be found here and on the attached document.

Please send a complete copy with all supporting documents submitted for this application to the Faculty Research Office – **natasha.jeftha@up.ac.za**
Please note that if funding is awarded, a 15% UP recovery is applicable and should be budgeted for by the applicant.

APPLICATION DEADLINES:

15th August 2020 (extended)

CONTACTS FOR CALL QUERIES

Faculty Contact person: Mrs Natasha Jeftha (**Natasha.jeftha@up.ac.za**)
Administrative queries: sarahr@wrc.org.za
Scientific queries: Dr Manjusha Sunil (012 761 9310/083 286 8238)