

Assessment of the Simple,  
Market-based, Affordable and Repairable  
Technologies (SMART) approach for Water and  
Sanitation

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Presentation to SMART Centre Group meeting: 11 Feb 2022

Dr Kerstin Danert

# Background

- DGIS commissioned IRC to determine the potential of the SMART approach in reaching SDG6, and other related SDGs in a number of African countries.
- IRC Netherlands is leading the assessment
- Dr Kerstin Danert & Dr Sally Sutton are currently finalising the assessment and preparing the report.
- The report assesses the potential of the SMART approach to contribute to Sustainable Development Goal (SDG) 6 – ‘ensure availability and sustainable management of water and sanitation for all’, and related SDGs in eight African countries (Ethiopia, Kenya, Ghana, Malawi, Niger, South Sudan, Tanzania and Zambia).



**Figure 7 Rural Niger: Drawing water by hand (left), and with animal power (right) (Photos: Sally Sutton)**

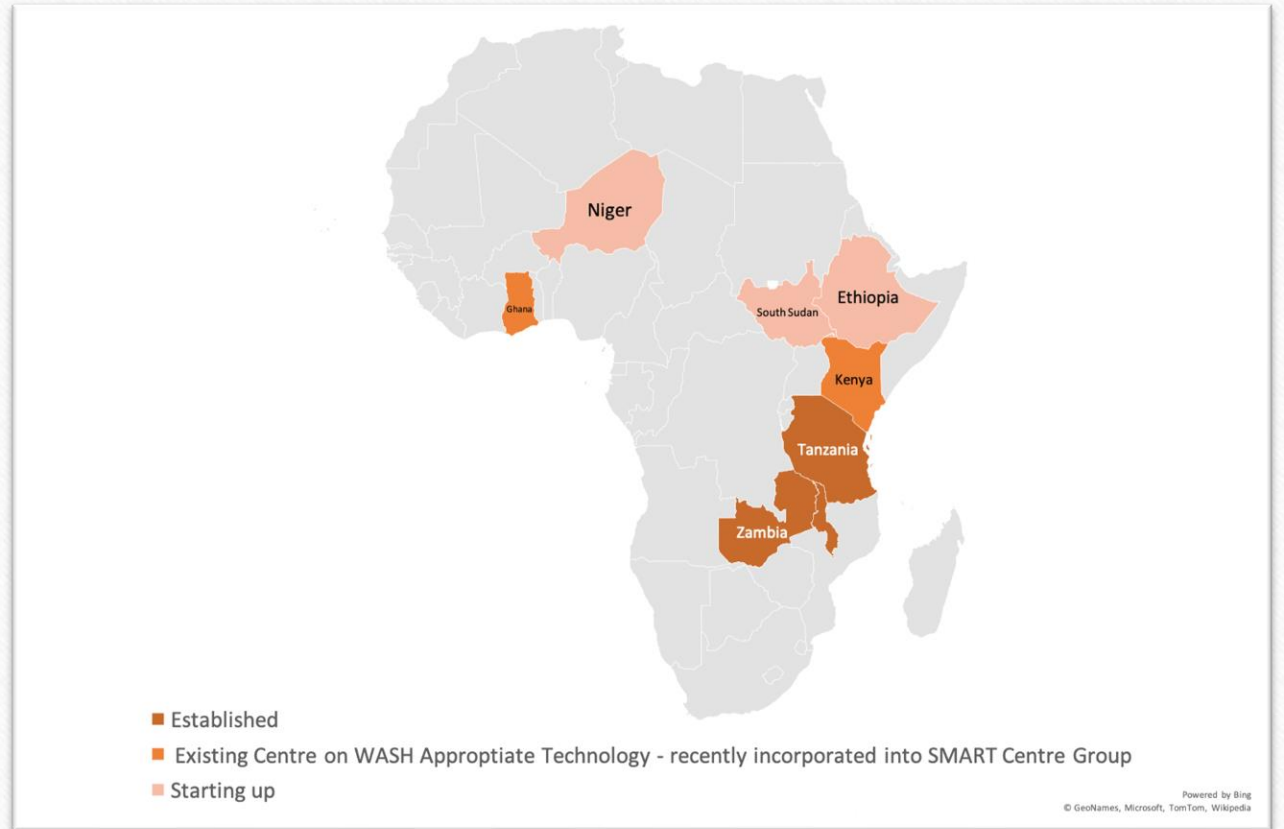
## Assessment eight countries of focus

### Topics of focus

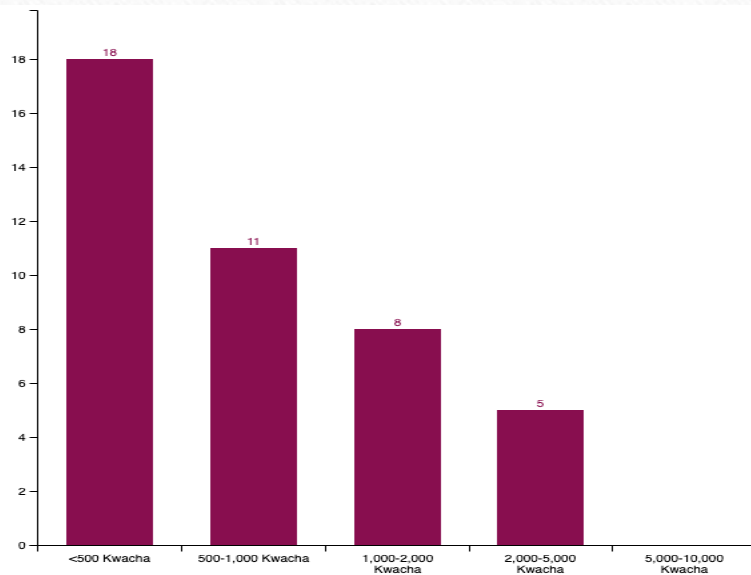
- SMARTechs
- SMART Centres
- SMART Approach

### Reflections on potential

- Last Mile
- Youth Employment
- Integration of SMARTechs into national curriculum



## Data Sources



**Example of data used - Distribution of approximate value of increase in annual business as a result of pump (Zambia – Rope Pump owners)**

- Desktop information request (6 countries)
- Jointly-written SMART Centre Context
- Centre reports (e.g. annual, donor, training), mission reports & websites
- Surveys of water points, households (sharers & owners) in Tanzania & Zambia – data in mWater
- Water quality data from Tanzania & Zambia
- Monitoring database in mWater (Jacana – Zambia,.....)
- Focus group discussion reports from Tanzania and Zambia
- Key Informant interviews in all 8 countries

## Documentation



**Figure (From left to right) Jim McGill with Mr. Joel Lay and Ms. Asunta Leila (Water4Life) holding Table Top Water Filter components in South Sudan**

- SMART Centre
  - Finance
  - Management and human resources
  - Training
  - Demonstration
  - Supply chain support
  - Reaching out & knowledge exchange
  - SMART Centre Group
  - Outcomes & Impact

# How can you help?

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- Please send us your annual, donor and training reports.
- Access to mWater data for **keerstind** and **Sally Sutton**
- Provide us with a list of 5 to 8 important key informants.
- Tell us what if you have any specific questions that we should ask the key informants
- Main data analysis complete by end Feb
- Key informant interviews: end Feb – mid March
- Report finalisation – mid April
- Presentation to DGIS – date to be determined

# Thank you for listening

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