

CTCN TECHNICAL ASSISTANCE:

**CATALYSING LOW COST GREEN TECHNOLOGIES FOR
SUSTAINABLE WATER SERVICE DELIVERY**

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**Presentation for the CTCN Regional Forum for National Designated Entities
From Anglophone Africa**

Water Services Trust Fund

- Water Services Trust Fund (WSTF) is a State Corporation established under the Water Act, 2002
- **Mandate:**
 - ❖ To assist in financing the provision of water services to areas of Kenya which are without adequate water services

Technical Summary

Geographical Scope	National
Objective	Adaptation
Industry Sector	Water
Type of Assistance	Technology identification, feasibility, business model, piloting and deployment
Duration	1 year
Budget range	\$ 200 - 250K

Problem Statement

- Inadequate, unsafe and unsustainable water services
 - Characterized acute water scarcity
- ❖ Calls for improved access to deserving areas

ARID & SEMI-ARID LAND (ASAL): Northern Kenya



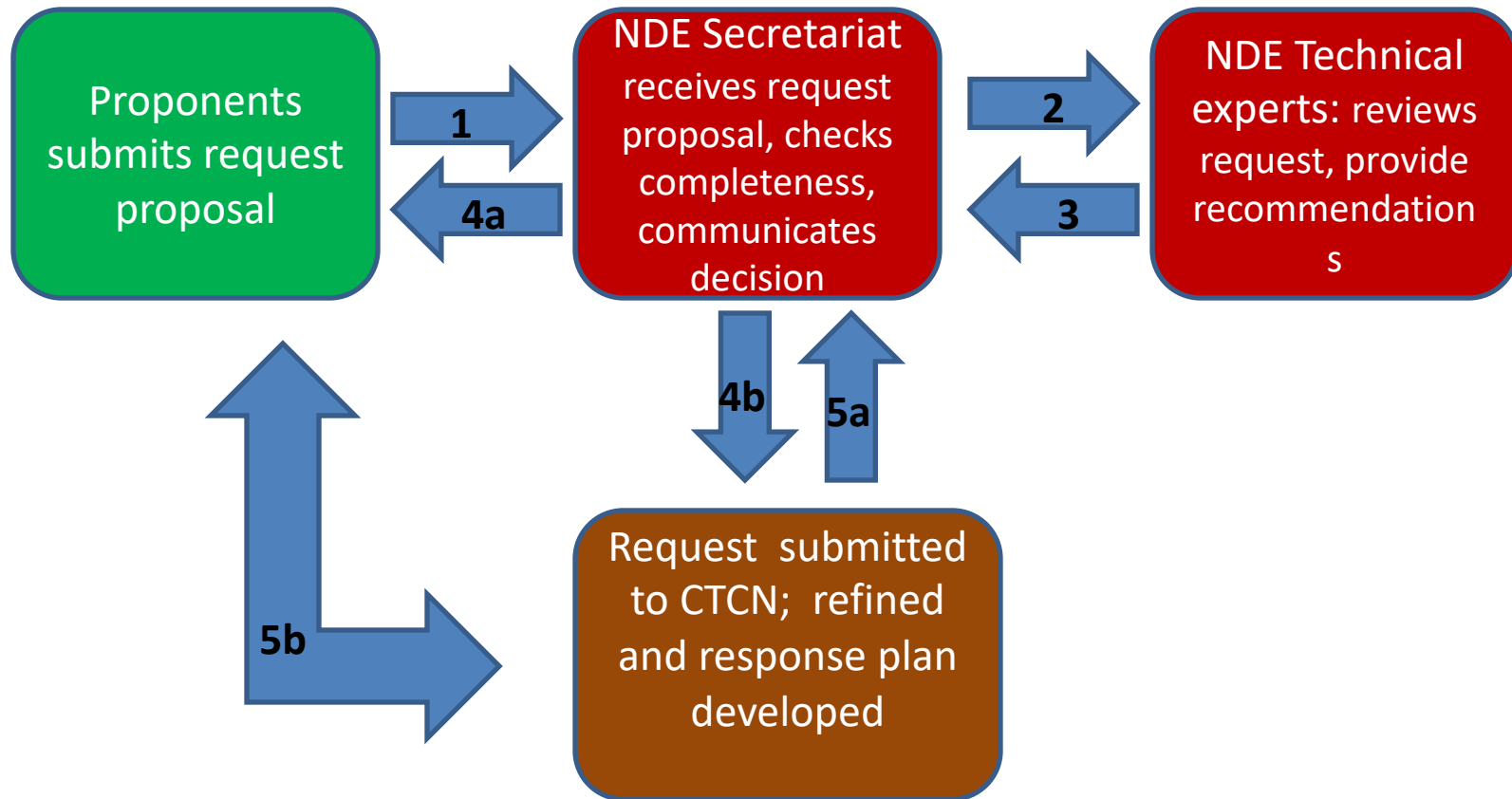
Request Generation

NDE & WSTF Team

- Initial engagement and consultative session.
 - ❖ Discuss request idea.
- Explain and outline CTCN criteria for technical assistance.



Management of the request proposals



Roles of the Technical Experts

- Review and evaluate request proposals submitted by the project proponents.
- Provide recommendations and prioritize the request proposal according to priority sector.
- Provide technical assistance in developing the request proposal.

Pre-selected Technologies

- Solar water pumping system
- Wind powered pumping system or wind mill
- Sand dams (run off water harvesting)



Pre-selected Technologies

- Djabias (semi-underground tanks)
- Water pans (run off water harvesting)



Request Refinement and Response Plan



- Lead planner of the design of the response:
 - The UNEP DTU Partnership (UDP) with assistance from the Green Technology Center — Korea (GTC - K)

Key objectives of the Assistance:

1. Prioritization of identified technologies green technologies adapted to targeted areas
2. Determine feasibility: technical, social & sustainability
3. Identify private sector actors
4. Develop Public Private Partnership business model
5. Develop concept note for access to future funding

Expected Impact

- Significant impact on sustainable development goals in Kenya, through improved water access to underserved communities.
- Contributes to national priorities and development programmes in the water sector

Implementation Phase

Inception meeting and Consultative session with CTCN Mission Team at WSTF



Activity 1: Technology Prioritization

Activity 2: Feasibility study of the selected technologies

Activity 3: Public Private Partnership & Private sector engagement

THANK YOU