STI for ensuring availability and sustainable management of water and sanitation for all (SDG6)

GEORGE OWUSU ESSEGBEY (PHD)

DIRECTOR, CSIR-STEPRI
ACCRA

www.csir-stepri.org
The Sanitation Challenge

Target 6.2 – By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation

- There are 2.3 billion people who still lack at least basic sanitation services
- About 892 million practice open defecation
- The differences in the sanitation situation in the world is striking
- only 28% of the people in Sub-Saharan Africa have basic sanitation services.
What are the most effective ways for STI support?

1. Technological solutions to 3’A’s (appropriate, affordable, accessible)

2. Acculturation:
   - Mass media activities;
   - Internet – social media
   - Content for mass communication and public education
   - Focus on schools/ educational institutions esp. basic level

3. Technological systems for surveillance of communities to support enforcement

4. Monitoring and evaluation systems
What are the main challenges?

- Culture – the norms, traditions and entrenched behaviours in communities;
- Inappropriate technologies;
- High costs (relative)
- Lack or inadequate capabilities (for repair and maintenance and improvement)
- Lack of ownership of sanitation campaigns on the part of primary beneficiaries;
- Weak policy regimes (implementation, enforcement, M&E)
What are the R&D gaps?

- Adaptation and improvement (to ensure technological solutions address the 3As (appropriate, affordable and accessible)
- Scaling out
- Upgrading e.g. from pit latrines to biosanitation systems producing biogas for domestic use
- Monitoring and evaluation systems and for socio-cultural research to guide policy formulation and implementation.
How do we structure/organize 2018 STI Forum?

- Innovation pitches
- Video presentations on sanitation, technological solutions/innovations, content for mass communication, success stories
- Focused discussions on what must be done in deprived communities.
Who are the partners to involve?

- innovators in sanitation services;
- relevant NGOs e.g. Water Aid, Care International,
- UN agencies including UNDP, UNESCO, UNICEF, the World Bank;
- Regional bodies e.g. African Union, ECOWAS, SADC, EAC, EU
- Bilateral agencies e.g. DANIDA, DfID, CIDA, USAID, GIZ,

THANK YOU!