hands4health

A comprehensive approach to hand hygiene, water quality and sanitation in primary health care and schools not connected to functional water supply system

Current situation

50% of schools

do **not** have access to **handwashing**, **basic hygiene** and **water supply** in low-income countries

source: JMP Global Baseline Report - 2019

45% of primary health care facilities

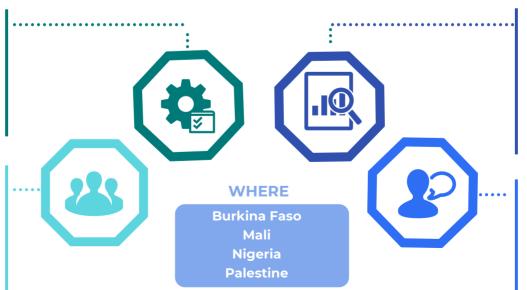
Approach and sectors of intervention

Technical Innovation

- Gravit'eau handwashing systems recycling water
- Evaluate available technologies from positive past experiences
- Alternative disinfection methods
- On-site water treatment

Stakeholders

- National / International level
- Authorities / Organisations
- Private sector / Academia
- Feedback and suggestion
- Participation in decisions



Data management and monitoring

- FACET: Facility monitoring and evaluation tool
- Online monitoring using LoRaWAN data transmission
- Open-source knowledge platform

Social Science and Health

- User-centred design for local production
- RANAS: systematic behavioural change approach
- Health impact and health benefit evaluation
- Genderised WASH

Pathway to impact















nbac

Increased resilience to epidemics

Improved health

for staff, patients and visitors of health care facilities as well as staff and children in schools

More efficient use of resources:

Increased water use efficiency in health care facilities and schools and decreased costs at the institutional level ensure the sustainability of services

Transformation

Empowered institutions, staff and implementers

Increased **awareness** and safe behaviour Local capacity for **production**, O&M **Open-source** information and data

Tailored evidence-based implementation and management approach

Approaches included in the **catalogues** of implementers and **recommendations** of authorities

Formalised partnership for evidencebased replication

Implementation and communication

Development and implementation of the **holistic approach**

Innovation: technology, monitoring, behaviour, ICT4D, design

Evaluation: wellbeing, health impact

Review and evaluation of the available concepts

Knowledge sharing platform

Capacity development: local manufacturers, implementers, users

Foundation of the project

Existing and newly developed tools and concepts:

Assessment, technical innovation, behaviour change, ICT4D innovation, capacity development and knowledge management

Engaged stakeholders:

implementers, private sectors, authorities, academia

Increased awareness

on the relation between WASH and high impact communicable diseases

Project partners

Academia







University of Maiduguri
(Faculty of Engineering)

Private



INGO









Donor:

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Agency for Development and Cooperation SDC