





IOM WASH

IOM provides Water, Sanitation and Hygiene (WASH) services to crisis affected populations, namely migrants and the displaced, as part of its mandate to respond to the mobility dimensions of crises.



IOM WASH in 2020

45

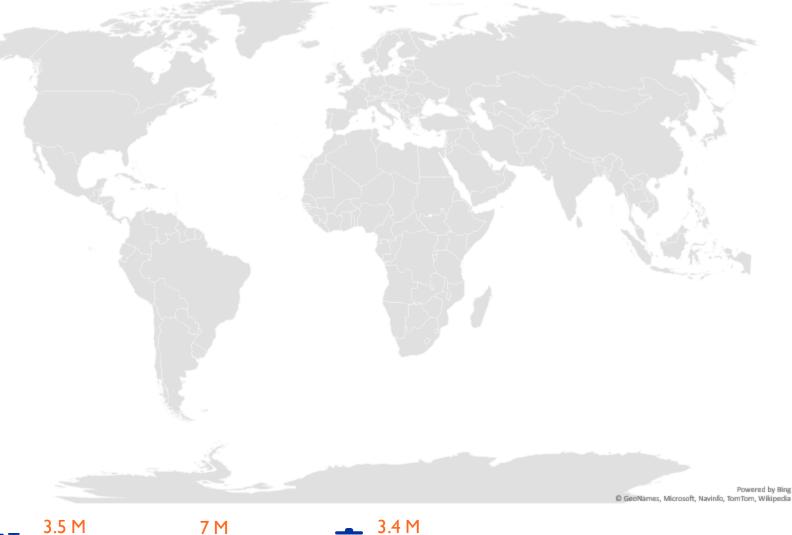
Countries of operations

10.7 M

Estimated total individuals assisted

111.4 M

Total funding



758 K individuals assisted with access to latrines





individuals
served with
hygiene promotion



Individuals served with sanitation services



WHYSOLAR?

IOM promotes the use of solar and other renewable energy where possible in its WASH operations from the outset of emergencies, to minimize the impact emergencies have on the environment, to ensure a reliable water supply and low operating cost, and to encourage sustainable energy access.

> Cox's Bazar, Bangladesh, Solar Powered Community Water Supply System in Camp 12





COUNTRY OVERVIEW

1955- 1972: First South Sudanese War

1985-2005: Second Sudanese War

2011: Independent country

2013 (Dec): Renewed conflict.

2018: Revitalized Agreement for the

Resolution of the Conflict

People on the move:

Over 1.6 M IDPs.

315.000 Refugees.

374K IDPs in displacement camps

1.24 M in host communities.

WASH facts:

41% don't have access to safe water.

Only 11% access to improved sanitation.

5.9 M people in need of basic WASH services.





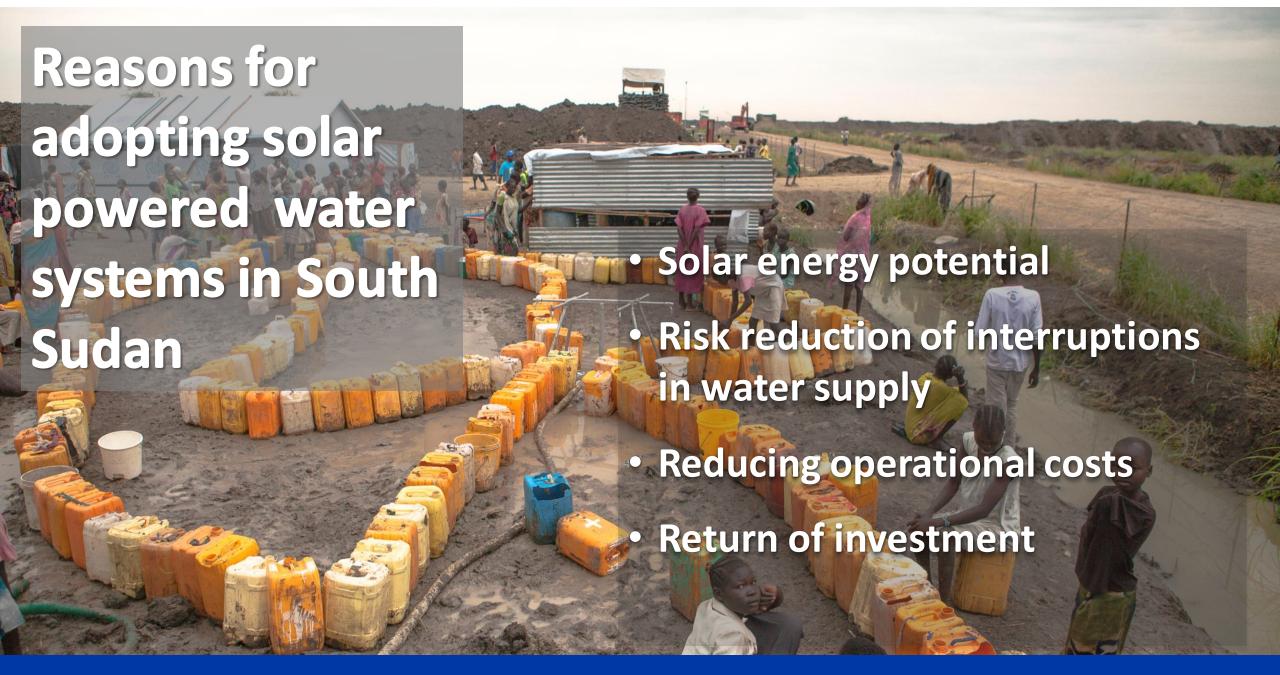




Figure 1: Example of 1 economic analysis performed. \$300,000 Cost Analysis - Existing Generator Water Scheme vs Proposed Equivalent Solar Scheme, Market Borehole, Ajuong Thok Cost in USD \$250,000 --- Stand Alone Generator --- Stand Alone Solar \$200,000 Reduction of Expenses over life cycle, -87% \$150,000 Break-even, 0.7 years Reduction of Expenses in 10 \$100,000 years, -82% Reduction of Expenses in 5 years, -78% \$50,000

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

\$0







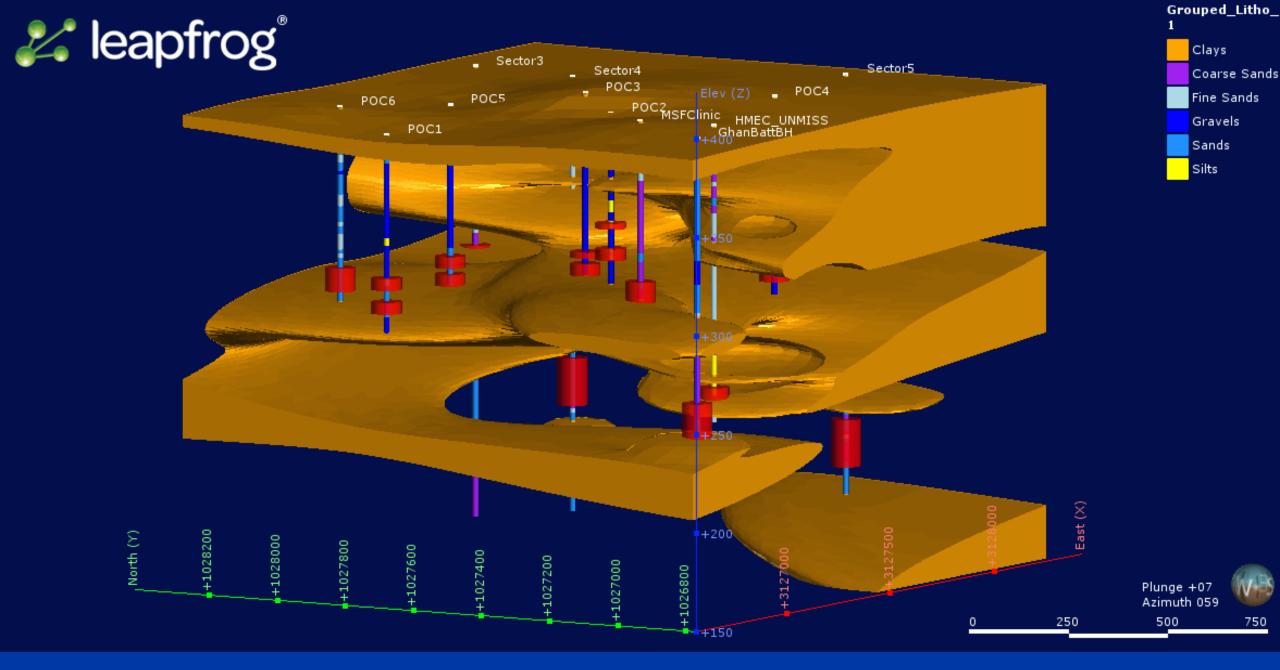


- In-house technical knowledge
- Emergency funding schemes
- Lack of knowledge of the groundwater resource and its potential
- Lack of capacity of the local private sector
- Prejudices and misconceptions





















- Hybrid systems:
 At the onset of displacement situations.
- Enhancing monitoring
- Capacity development at all levels





