

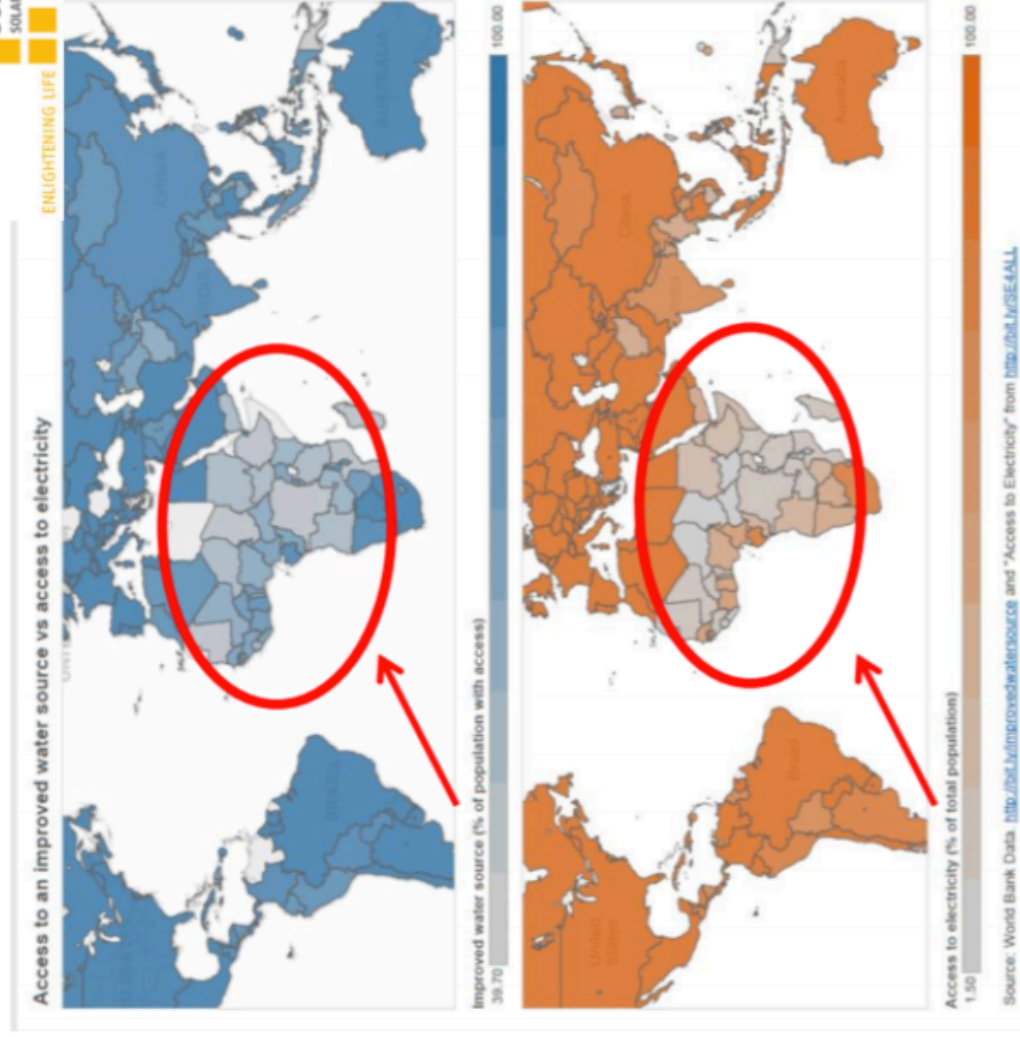
# Water supply for Rural Communities with Solar Power



# Water Needs Energy Energy Needs Water

## The Energy poor are also Water poor.

Source:- World Bank





# The Challenges

- Most rural communities suffered accessing water
- Their main water sources are unprotected ponds, shallow wells, and even sharing with animals
- Far from their location/Time consuming
- Very bad quality
- Very little resource
- Mainly affects Girls and boys



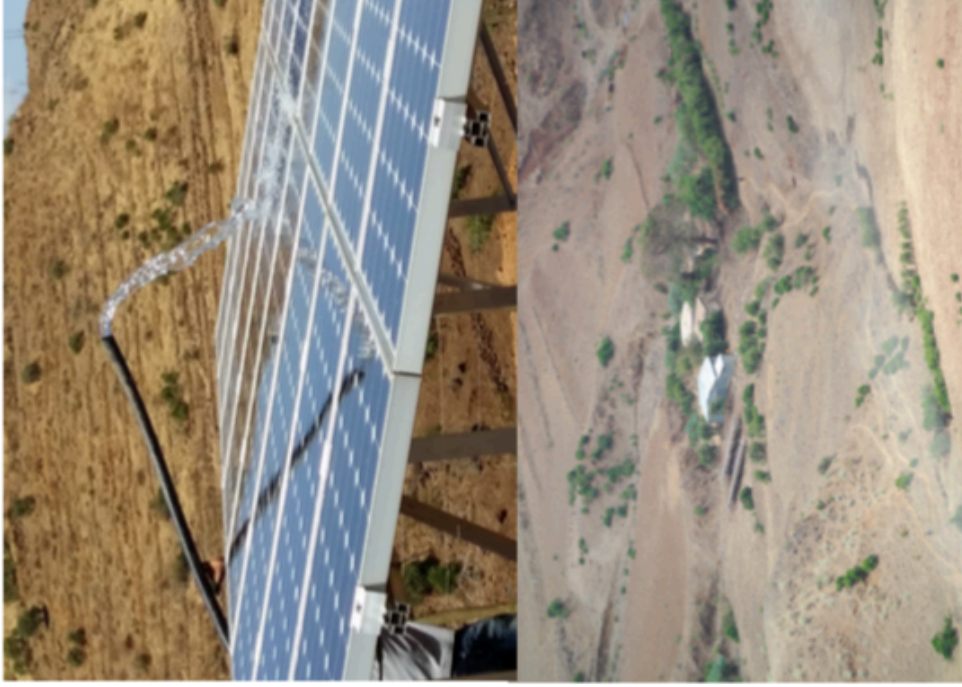
## SOLAR VILLAGE REMA

- More than 10000 inhabitants
- Solar powered water supply
- Solar Powered Water Disinfection technology
- Solar Home lights for all individual households





## Solutions



12/2/20

- Renewable Energy technologies can boost water security by improving accessibility, Affordability and safety
- Solar Energy Foundation develops different projects on Solar powered water and Electricity supply for rural communities
- By Creating access to water
  - ✓ No more long distance walk
  - ✓ Saves their time, So kids can go to school on time
  - ✓ Mothers can do other activities at home
  - ✓ Better sanitation
  - ✓ And more

# THANK YOU



Samson Isegaye, Solar Energy Foundation





12/2/20

Samson Tsegaye, Solar Energy Foundation

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National WASH

Drinking Water access in the house hold

No	Region	Rural	Urban	Total
1	Tigray	53.93	71.71	57.84
2	Afar	-	-	-
3	Amhara	46.04	74.25	47.53
4	Oromiya	41.64	71.6	45.11
5	Benishangul	37.3	16.29	36.78
6	SNNP	52.26	89.31	54.1
7	Gambela	44.66	79.69	46.44
8	Harar	-	-	-
9	Addis Ababa	-	96.16	96.16
10	Diredawa	-	-	-
National ( only for available data)		44.69	82.48	49.62

Ministry of water and Energy







