

Network of Solar Energy in Bangladesh



Raihana Ferdous

Solar Energy in Bangladesh

**Bangladesh Vision 2021: Electricity
for ALL**

Renewable Vision: 10% by 2020

Solar Initiatives

- Solar Home System Programme
- Urban Rooftop Solar Solution
- Solar Mini Grid
- Solar Irrigation Pump
- Municipality Street Light



Sandwip

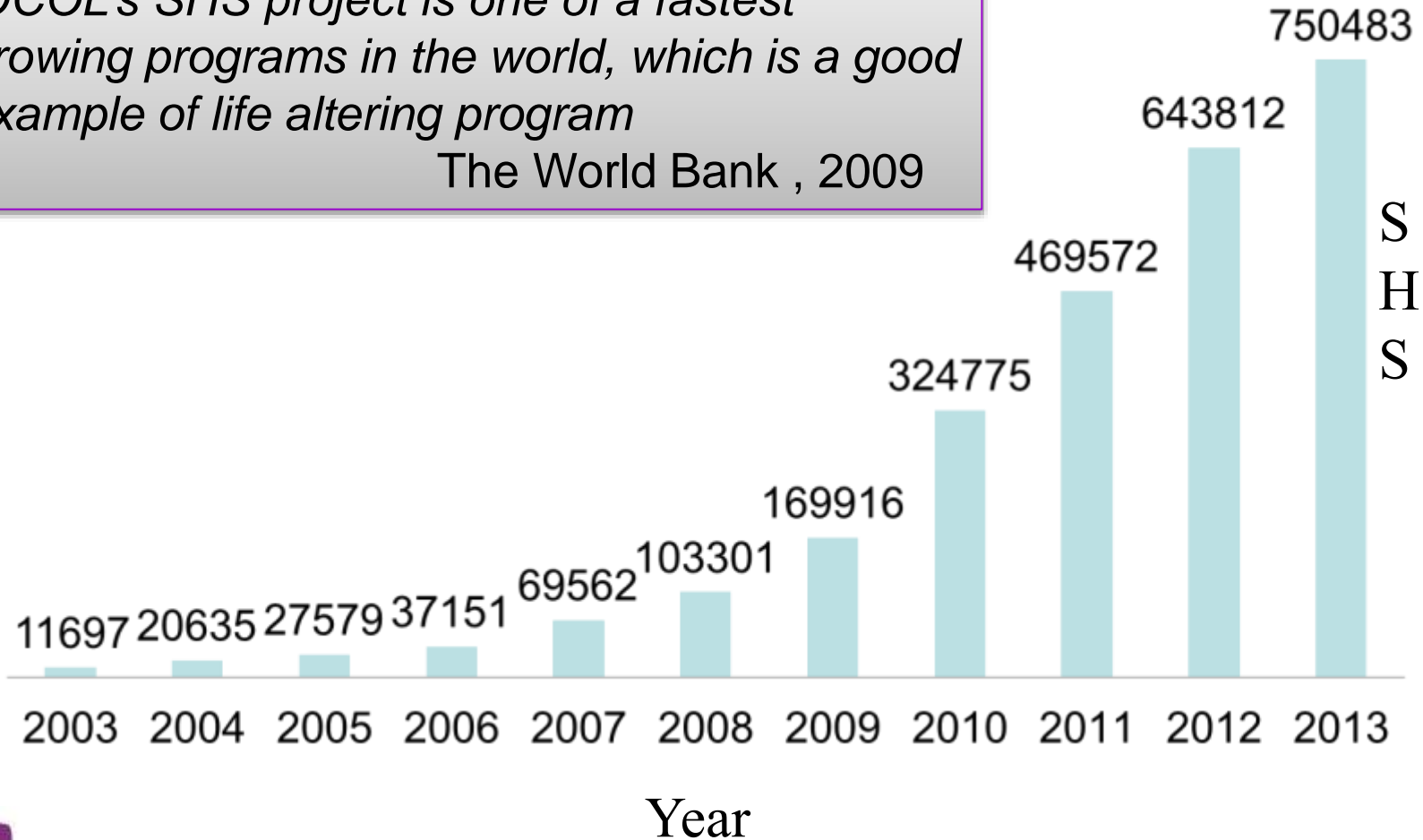
Sandwip Island

- ❖ **Location:** South Eastern coast
- ❖ **Area:** 762.42 sq. Km or 50 km long and 5-15 km wide
- ❖ **Population:** 350,000
- ❖ **Population Density:** 439 per sq. Km
- ❖ **Electricity:**
 - Diesel-run power station covers 20%
 - 20900 SHS installed
 - 100 kW Solar minigrid

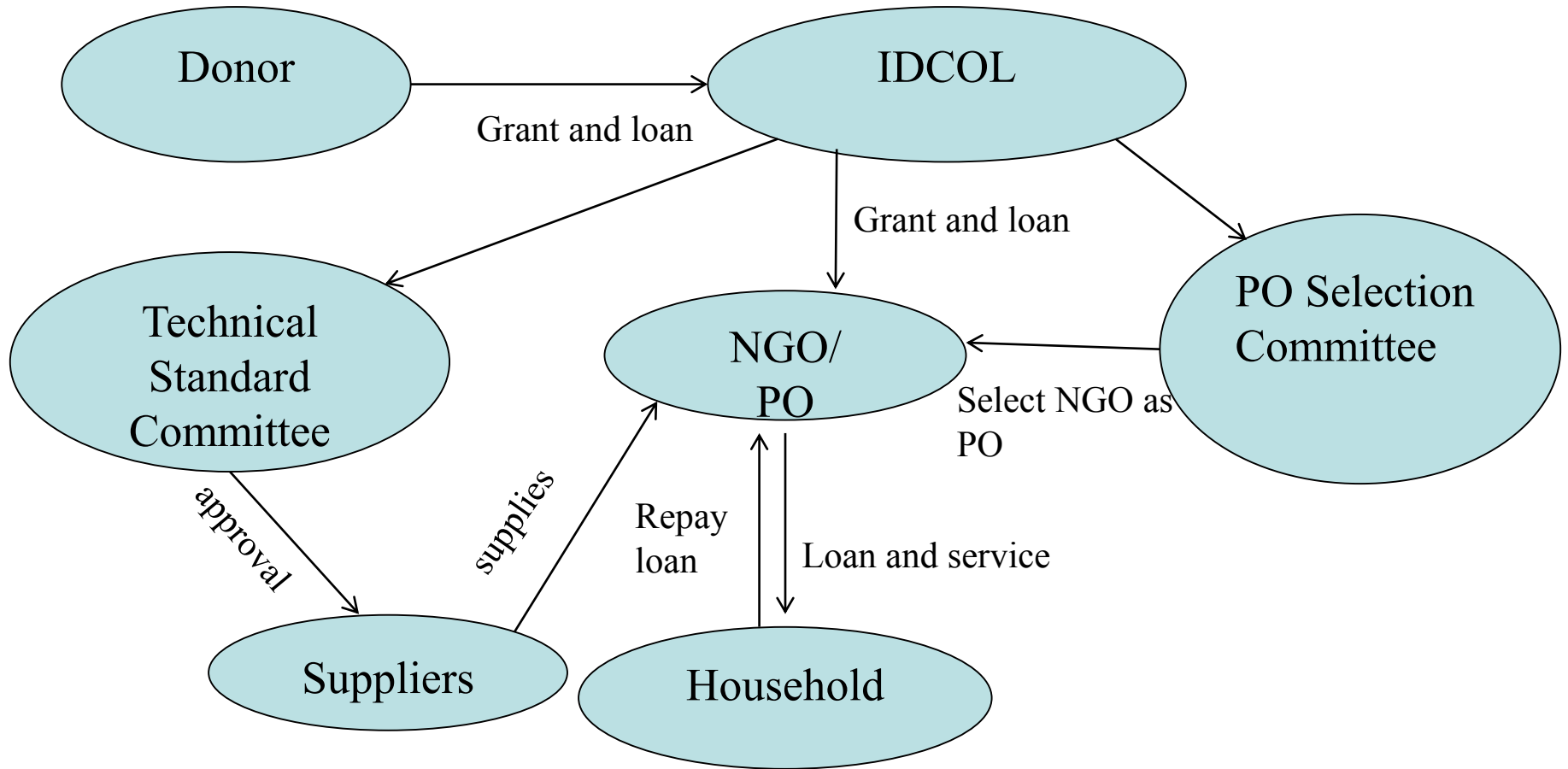
Growth of the Programme

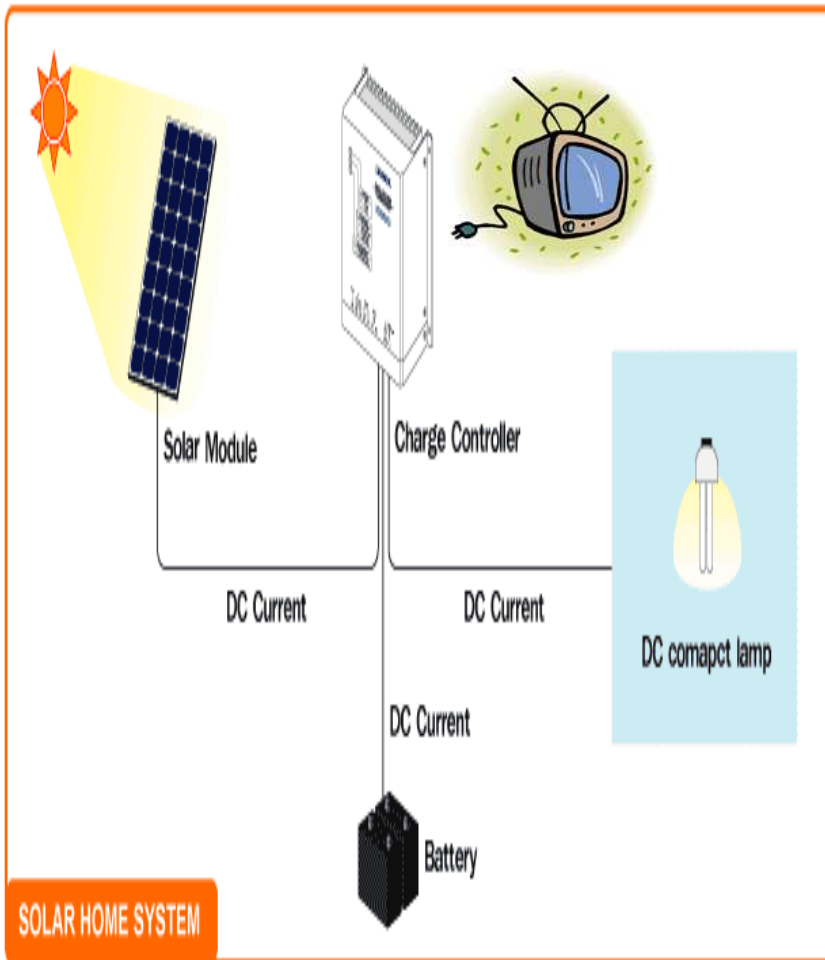
IDCOL's SHS project is one of a fastest growing programs in the world, which is a good example of life altering program

The World Bank , 2009



Programme Structure





So far...

- ❖ **3 million** SHS installed by 2014 April
- ❖ **6 million** SHS by 2017
- ❖ **13 million** beneficiaries or **9%** of the total population
- ❖ **80,000** SHSs every month
- ❖ **58%** Average installation growth
- ❖ Replaces **180,000** tons of kerosene



Urban Rooftop Solar Solution

2009-2014







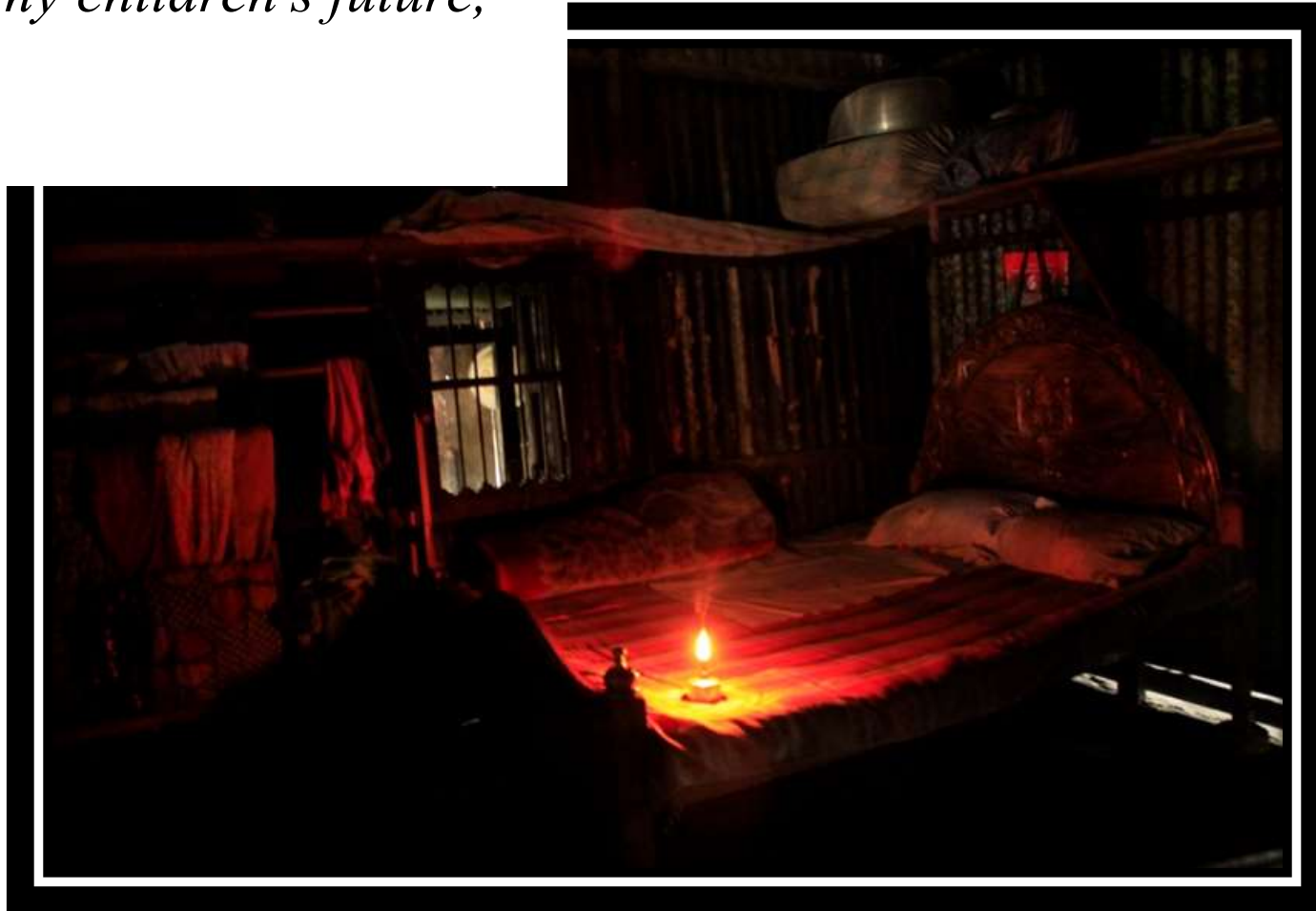


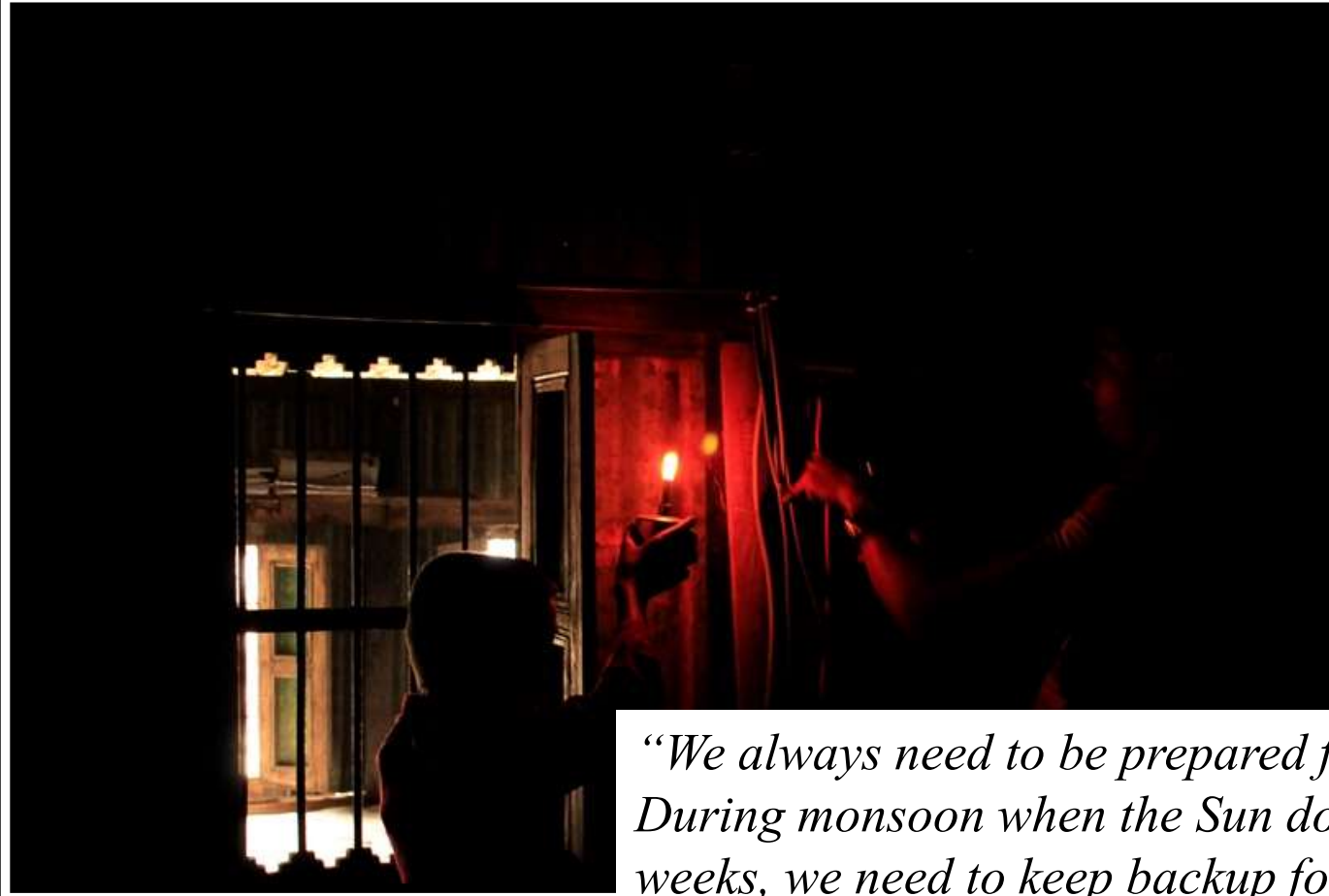
Living with Solar Everyday life of Solar users



Solar brings entertainment

“Solar helps us to see better compared to kerosene lamp, but it is not as bright as electricity. I am worried about my children's future, their eyes...”





“We always need to be prepared for a bad day. During monsoon when the Sun doesn't appear for weeks, we need to keep backup for it. Not only in the monsoon, I actually always keep backup because really cant trust solar”



“Solar brings light at home not on the street, outside home is just dark and scary”



“I need to run a number of electronic devices continuously to attract my customer. I have a colour tv, a radio, a number of bright lights. With solar I can't run the tv continuously and most importantly colour tv needs more electricity, which I cannot afford”.



“You always need to plan your work, prioritise your need and justify your use, otherwise, you will be setting in the dark”

Living with solar means ...

- Prioritise needs
- Controlled desire
- Adjustment with capacity
- Limited expectation

To conclude...

- Solar does what it promises
...it provides a very little
- It brings lights and runs small home appliances ... But still it is not electricity to them
- Impressive number of sales often overshadow everyday needs & struggle of solar users
- Low carbon energy may not their first priority
...cheap energy, reliable livelihood, sustainable future are important to them

Thanks you