



**UNFCCC SB58, SIDE EVENT: 8/6 2023 16:45-18.00**

**Room: Kaminzimmer, Bonn, Germany**



Nordic Folkecenter  
for Renewable Energy

**100 % Renewables, Local Climate Solutions in East Africa, South Asia**

Welcome by organisers: SusWatch Kenya, INSEDA, Nordic Folkecenter for Renewable Energy (NFRE). Moderator: Judit Szoleczky, INFORSE

**Global Transition to Renewable Energy**

*Gunnar Boye Olesen, INFORSE, NFRE, SE, Denmark*

**East Africa:**

**Promoting Local Solutions as Important Climate and Development Solutions in East Africa – Online Catalogue**

*Mary Swai, TaTEDO, INFORSE East Africa, Tanzania*

**Transition of Kenya to 100% Renewable Energy with Focus on Local solutions. Key Messages**

*Nobert Nyandire, Suswatch Kenya*

**Transition to 100 % Renewable Energy in Uganda with Local Solutions, Sustainable Biomass**

*Richard Kimbowa, UCSD Uganda INFORSE East Africa Chair*

**More: <https://inforse.org/SB58.php>**

**South Asia**

**Promoting Local Activities in South Asia Supported by Eco-Village Development Initiatives**

*Anzoo Sharma, Center for Rural Technology (CRT), Nepal*  
**Successes with Local Climate Solutions in South Asia & their Promotion**

*Sanjiv Nathan, INFORSE South Asia & INSEDA, India*

**Database Online, Documenting Successful Local Climate Solutions in South Asia**

*Abdul Arif, Grameen Shakti, Bangladesh*

**Local Solutions in the GST, Why and How**

*Dumindu Herath, IDEA, Sri Lanka*

**Dialogue, Conclusion**

Thanks to





**SB58 2023**

**Thurs., 8 June 2023 - 16.45 - 18.00**  
**Room: Kaminzimmer**



Nordic Folkecenter  
for Renewable Energy

**100% Renewables, Local Climate Solutions in East Africa, South Asia**

# Database Online, Documenting Successful Local Climate Solutions in South Asia

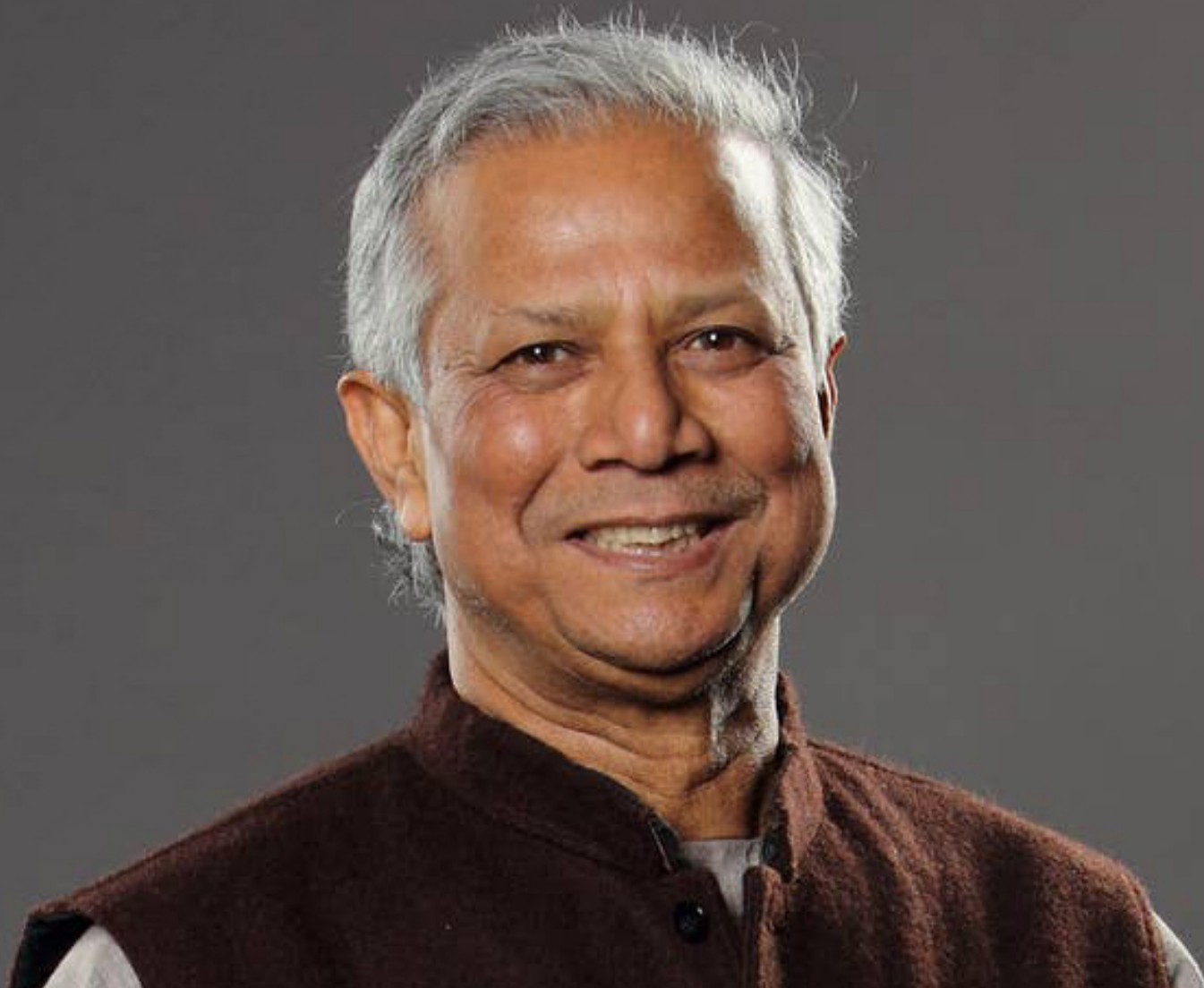
*Abdul Arif, Grameen Shakti, Bangladesh*



Project supported  
by  
**CISU** CIVIL SOCIETY IN  
DEVELOPMENT



CANSA  
CLIMATE ACTION NETWORK  
South Asia



**Grameen Shakti** was established in **1996** as a Not-for-profit company by Nobel Laureate

**Professor Muhammad Yunus**

with the Objective of providing **Access to Energy** to the rural people of Bangladesh

# Key Milestone & Achievement

## Solar Home System



**1,800,000**

units installed

**43%**

(National program share)

## Improved Cooking Stove



**1,000,000**

units installed

**25%**

(National program share)

## Biogas Plant



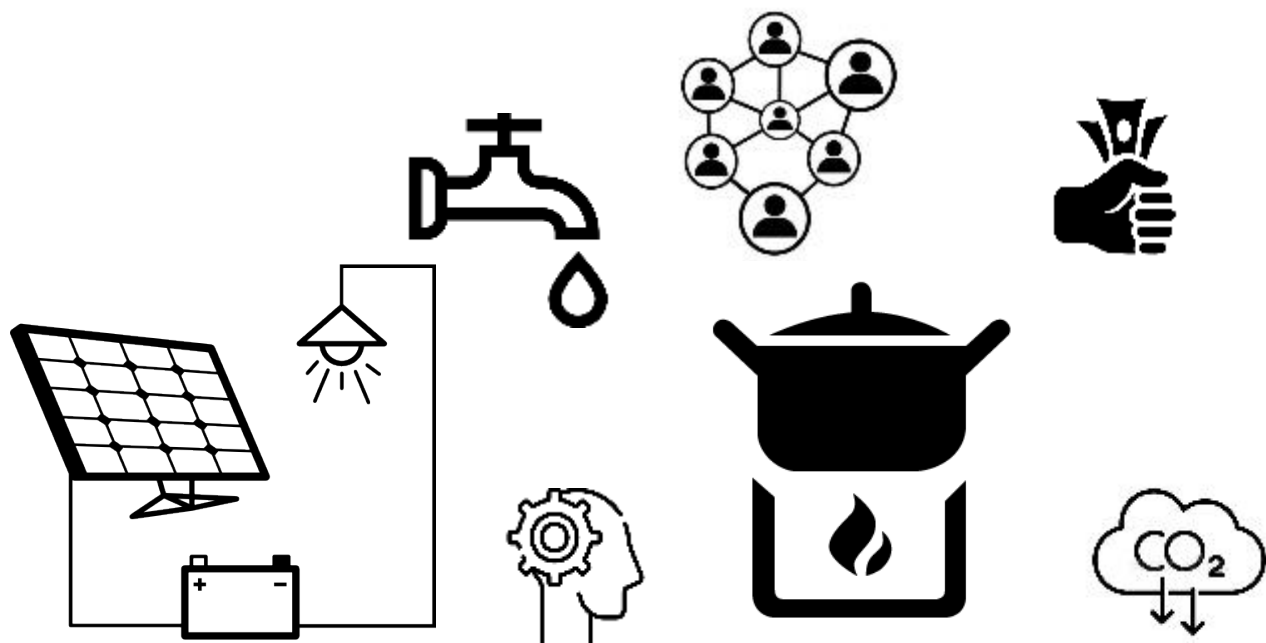
**35,000**

units installed

**40%**

(National program share)

# Database for Eco-village Development



# Inspiration Behind database

- Archiving best practices of different local climate solution
- Dissemination of knowledge, gathered through the EVD project and beyond.
- Replication and spreading local solutions



# What We have...



Countries'  
solution



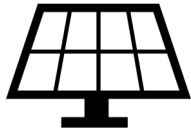
Different  
Categories



Local  
Solutions

+ Publications, + Media (photos videos) , + Organisations

# Categories



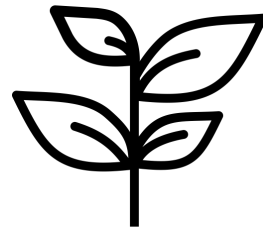
Off-grid Power & Light



Cooking solutions



Water Supply



Organic Garden &  
Agriculture



Heating & Cooling



# Bangladesh



## Solar Home System

- Size : 40 – 130 Wp
- Cost : US\$180 to US\$ 300
- Cost saving : 0.15\$ per day
- Lifetime : Solar PV: 20+ yrs,  
Battery: 5-8 yrs, LED light: 3 yrs
- Installation : 6 million units in Bangladesh
- Successful financial model, business model

# Nepal



## Hydraulic Ram Pump (Hydram)

- Capacity : lifting water to 100-150 meters
- Cost : 1500 to 3000 USD.
- Lifetime : 20+ years
- providers
  - Centre for Rural Technology, Nepal (CRT/N)
  - Rural Energy and Technology Service Centre (RETSC).

## India



## HEERA multi purpose Improved

### Cookstove

- Material: Concrete
- Efficiency: 35%
- Saving: 3 -5 kg/day of firewood.
- Lifetime: 7-8 years
- Provider:  
Integrated Sustainable Energy and Ecological  
Development Association, INSEDA

## Sri Lanka



## Publications: Village Development Planning (VDP)

- Bottom-up planning approach
- Participatory rural appraisal (PRA)
- Understanding the local context & issues, needs, gaps, resources, etc .

Local Solutions. Database for Eco-village Development in South Asia.



Choose a solution category:



Cooking solutions ▾



Off-grid power and light ▾



Heating and cooling ▾



Water supply ▾



Organic gardening and agriculture ▾



Village development planning ▾



Other ▾

Search the solutions according to language, country or name:

Language ▾ Country ▾

Search solution names..





# Eco-Village Development Database


[www.inforse.org/evd/](http://www.inforse.org/evd/)



**SB58 2023**

UNFCCC SB58 Side Event - Bonn, Germany - **100% Renewables, Local Climate Solutions in East Africa, South Asia** 8 JUNE 2023, 16:45-18.00 Room: Kaminzimmer - NFRE - SUSWATCH - INSEDA

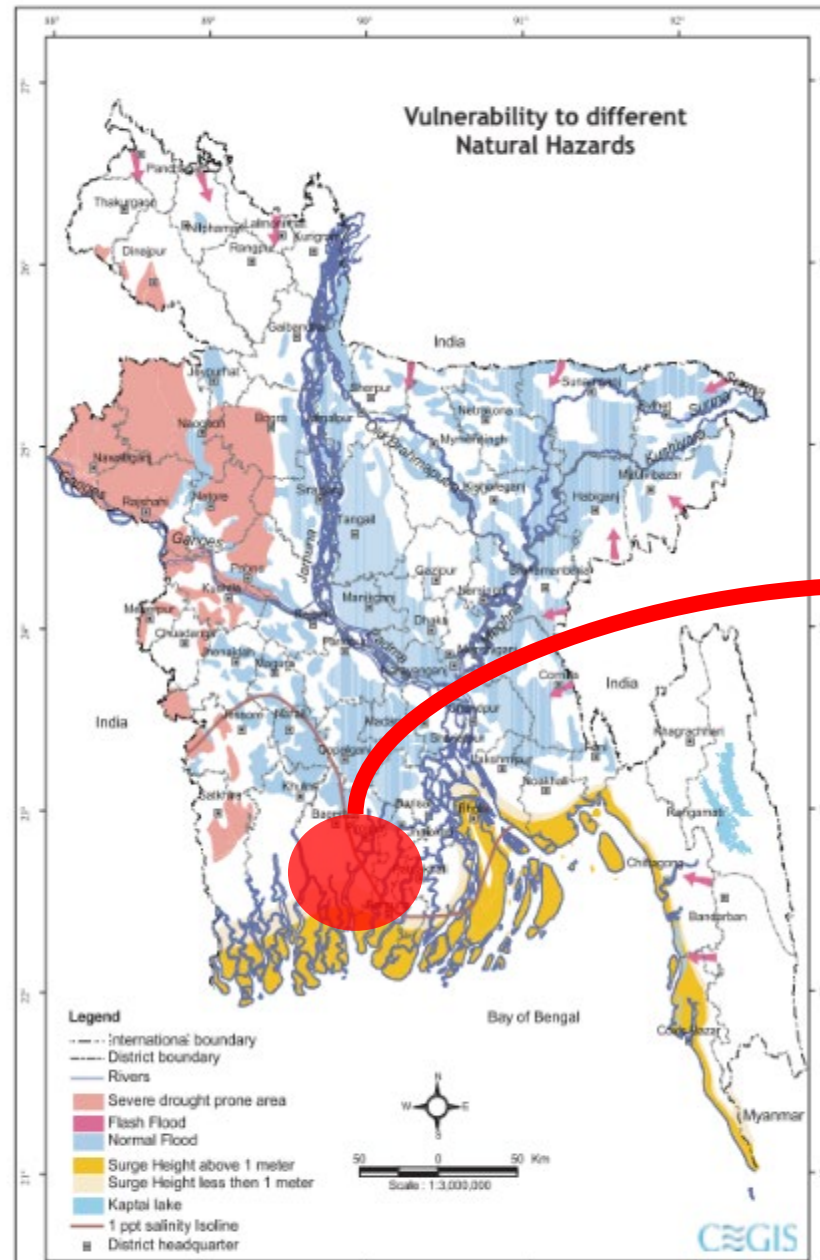
# EVD solution to increase climate resilience in Bangladesh



“Social enterprises are businesses created to attain a social purpose in a financially sustainable way”



# EVD Model Village

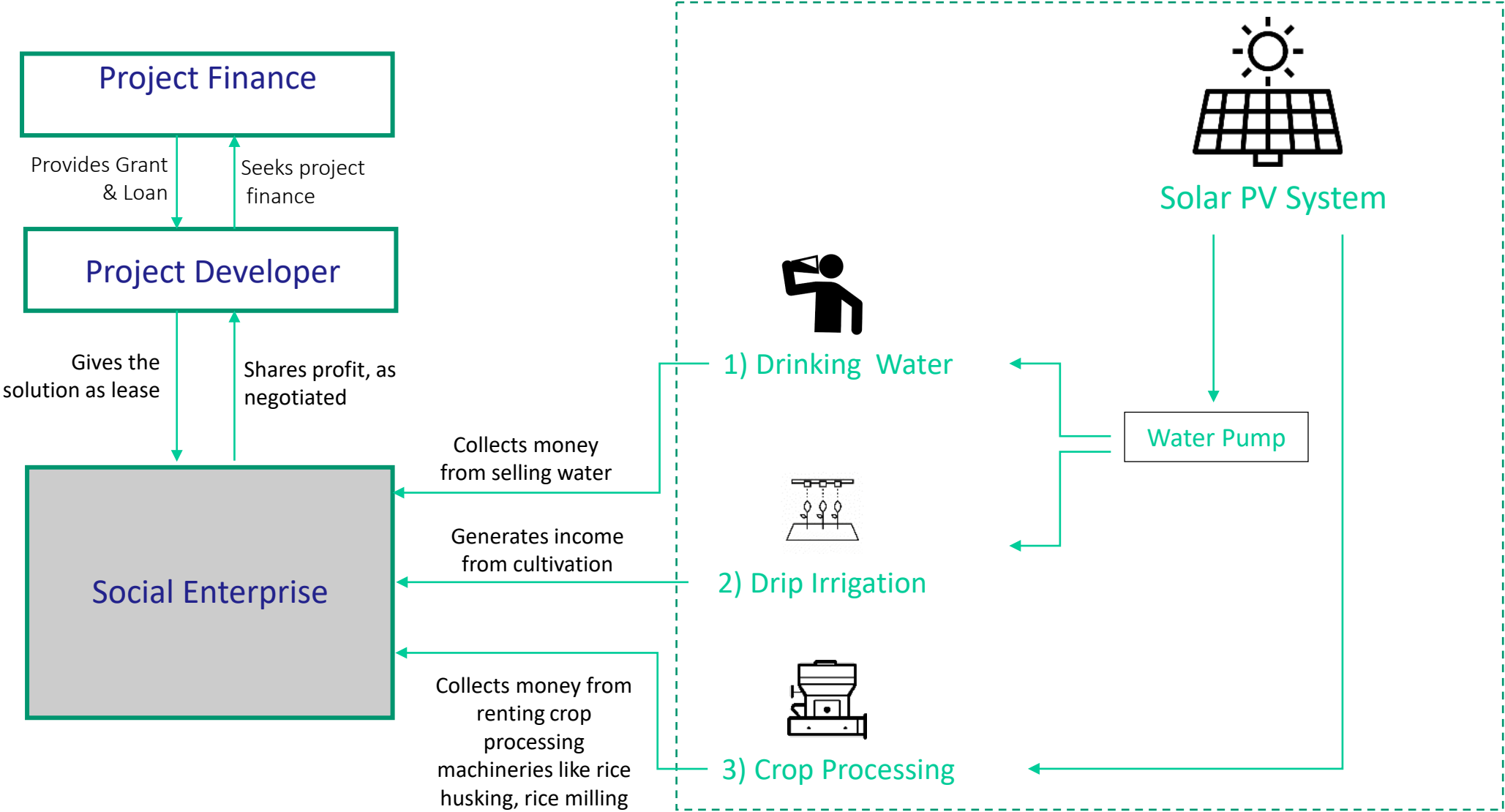




Coastal region inhibits,  
around **32 million**  
people of Bangladesh  
and nearly **70% of**  
**them depends on**  
**unhygienic pond**  
**water** for their daily  
needs



# Integrated Solar Water Pump, Drip Irrigation & Crop Processing





Thank You

**More info:**

<https://www.gshakti.org/>

(RELEVANT WEBSITES) .EVD Catalogue: [www.inforse.org/evd](http://www.inforse.org/evd)

[www.ecovillagedevelopment.net](http://www.ecovillagedevelopment.net)

EASECA Catalogue: [www.localsolutions.inforse.org](http://www.localsolutions.inforse.org)

INFORSE 100% RE in Africa: [inforse.org/africa/Vision2050.htm](http://inforse.org/africa/Vision2050.htm)

More: [www.inforse.org/SB58.php](http://www.inforse.org/SB58.php)