UNFCCC SB58, SIDE EVENT: 8/6 2023 16:45-18.00
Room: Kaminzimmer, Bonn, Germany


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
Database Online, Documenting Successful Local Climate Solutions in South Asia

Abdul Arif, Grameen Shakti, Bangladesh

Grameen Shakti

Project supported by
CISU CIVIL SOCIETY IN DEVELOPMENT
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

Local Solutions’ Database for Eco-village Development

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
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…

4 Countries’ solution
6 Different Categories
46 Local Solutions

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

![Solar Home System in Bangladesh](image)

**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 in Nepal](image)

**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 (RETSIC).
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.
Eco-Village Development Database

www.inforse.org/evd/
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

Vulnerability to different Natural Hazards

Legend:
- International boundary
- District boundary
- Rivers
- Deep drought prone area
- Flash Flood
- Normal Flood
- Surge Height above 1 meter
- Surge Height less than 1 meter
- Hapla: lake
- 1st salinity tidal line
- District headquarter

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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

Project Finance
- Provides Grant & Loan
- Seeks project finance

Project Developer
- Gives the solution as lease
- Shares profit, as negotiated

Social Enterprise
- Collects money from selling water
- Generates income from cultivation
- Collects money from renting crop processing machineries like rice husking, rice milling

Solar PV System

1) Drinking Water
- Collects money from selling water

2) Drip Irrigation

3) Crop Processing
- Collects money from renting crop processing machineries like rice husking, rice milling
Thank You

More info:
https://www.gshakti.org/

(RELEVANT WEBSITES) EVD Catalogue: www.inforse.org/evd
www.ecovillagedevelopment.net
EASECA Catalogue: www.localsolutions.inforse.org
INFORSE 100% RE in Africa: inforse.org/africa/Vision2050.htm

More: www.inforse.org/SB58.php