

Local Climate Sustainable Energy Solutions in Global Stocktake (GST) Why, How and From Where

Welcome by the organisers INFORSE – SusWatch Kenya, - INSEDA - SE

Moderator: Judit Szoleczky, INFORSE, Santosh Patnaik, CANSA

East Africa:

Promoting local solutions as important climate and development solutions in East Africa

Mary Swai, TaTEDO, INFORSE-East Africa, Tanzania (@)

Launch: 100 % Renewables Scenario – Uganda

Richard Kimbowa, UCSD, INFORSE East Africa Chair (@)

Local Solutions in GST, Key message from East Africa

Nobert Nyandire, Suswatch Kenya

Europe: Paris compatible scenarios for reducing emissions with transition to 100% RE, EE, sufficiency, key message for GST from Europe

Gunnar Boye Olesen, Sustainable Energy, Denmark INFORSE-Europe

South Asia:

Promoting local activities in South Asia supported by eco-village development initiatives *Anzoo Sharma, CRT Nepal*

Successes with local solutions in South Asia & their promotion

Sanjiv Nathan, INFORSE South Asia & INSEDA, India

Launch of database, documenting successful local solutions

Abdul Arif, Grameen Shakti, Bangladesh

Local Solutions in the GST, Why and How

Dumindu Herath, IDEA, Sri Lanka

Comments:

Stephen Nzioka, Ministry of Energy, Dep. RE Kenya

Dr. Thusitha Sugathapala, Delegation of Sri Lanka

Dialogue, Conclusion

Proceedings: <https://www.inforse.org/cop27.php>

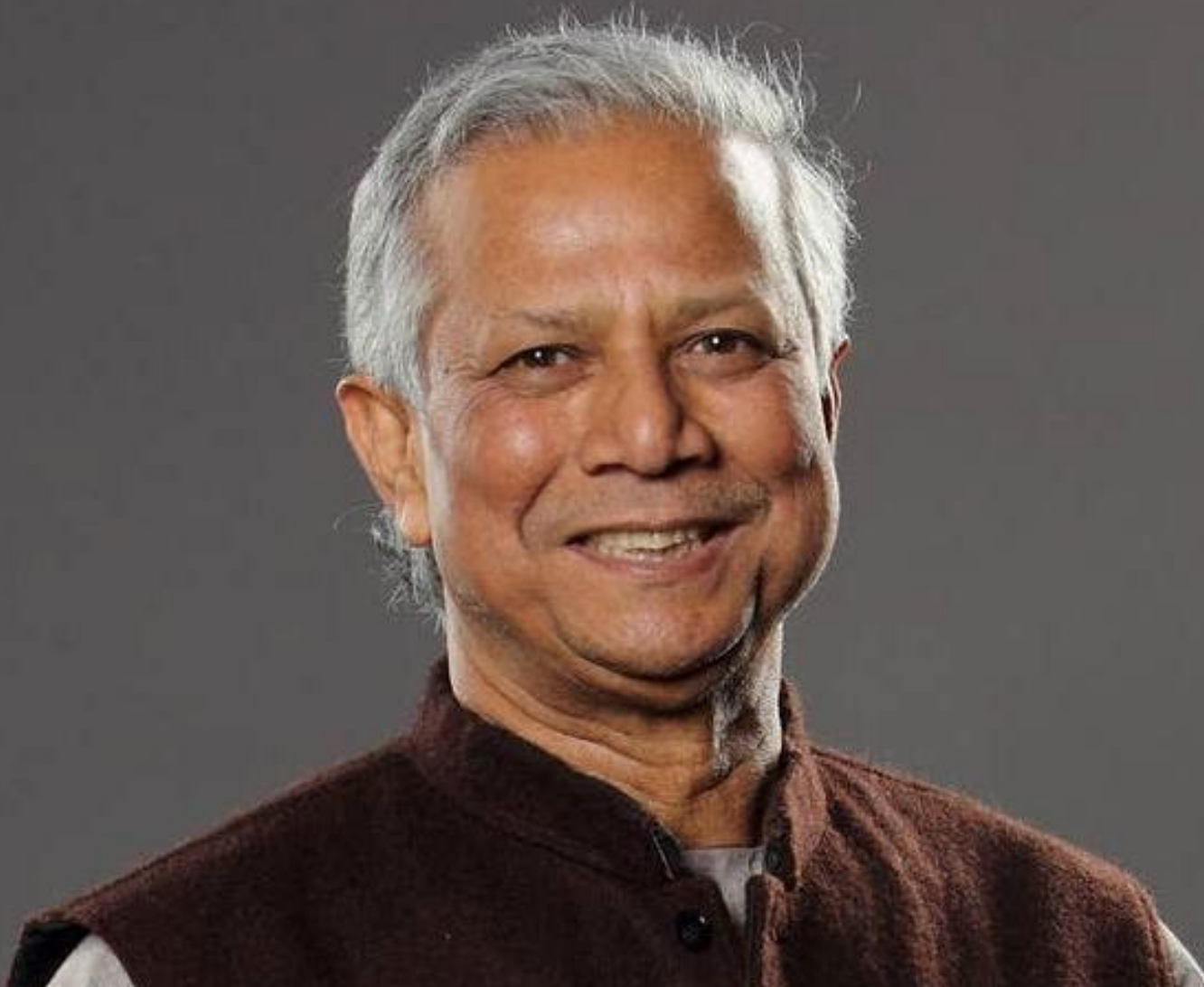
Sustainable Energy Solutions in Global Stocktake (GST)
Why, How and from Where

Database of Successful local solutions and Social Enterprise model (SEM)

Abdul Arif

Grameen Shakti
Bangladesh





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



UNFCCC COP27 SIDE EVENT - Sharm El Sheikh, Egypt - Local Climate - Sustainable Energy Solutions in GST.
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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)

Eco-Village Development

Grameen Shakti is Country **Focal Point** of **INFORSE**



Eco-village Development (EVD) is an integrated socio-economic development concept, in which Individual Solution combines in clusters to provide synergic benefit to the **COMMUNITY**



Online Database of Local Solutions for www.inforse.org/evd Eco-village Development

Local Solutions Publications Media (Images & videos) Organisations About Partners Login

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..



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Inspiration Behind online database

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



We have...



4

Countries'
Solution



5

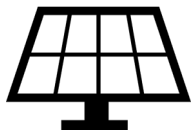
Different
Categories



40+

Local
Solutions

Categories



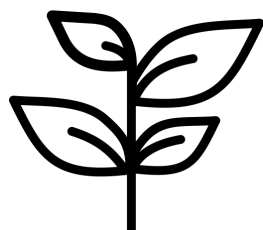
Off-grid Power & Light



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



Village Development Planning (VDP)

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



EVD Database

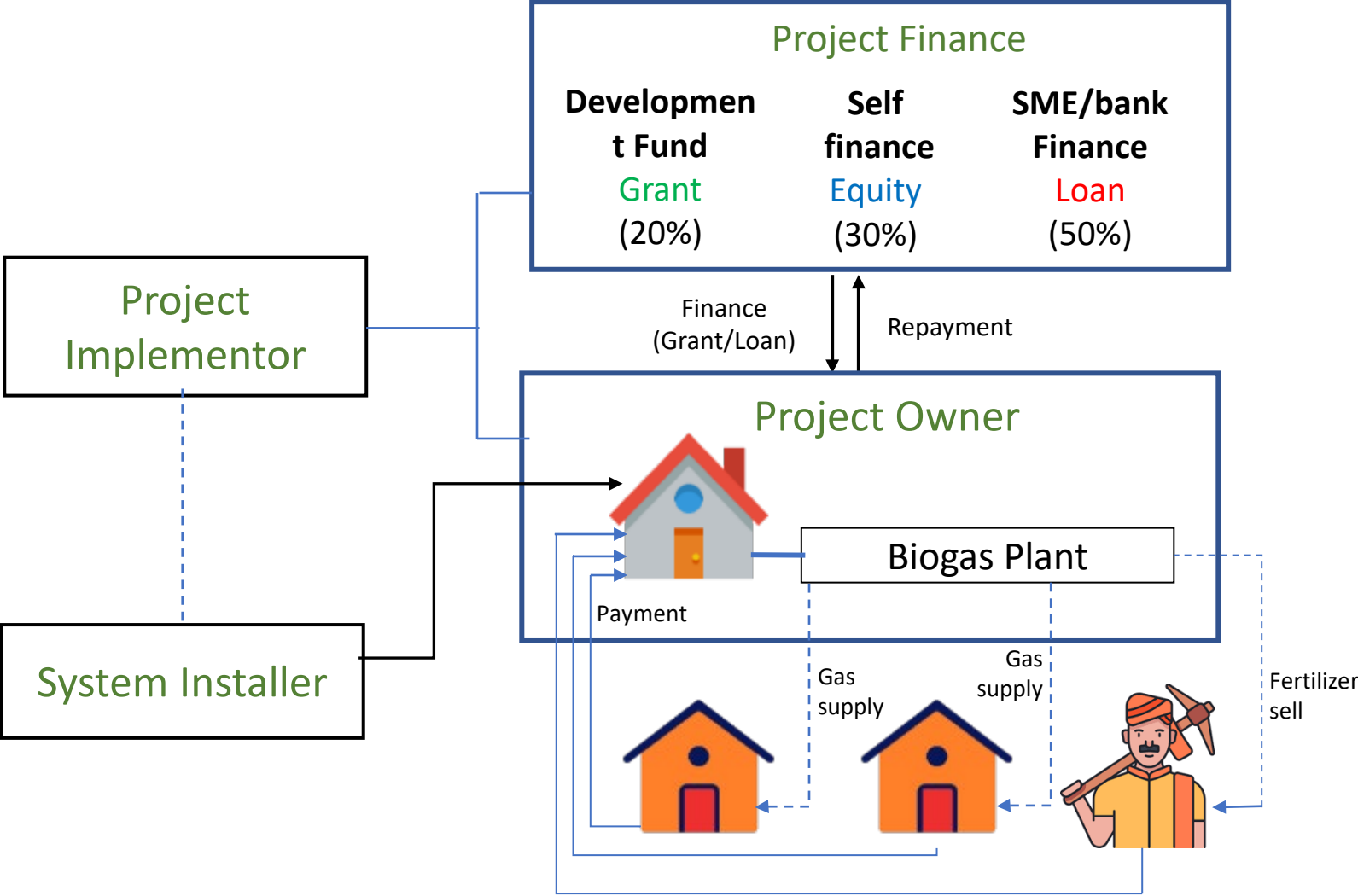
www.inforse.org/evd/



Social Enterprise Model

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

Social Enterprise Model (Community Based biogas plant)



Thank you

For more information

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+8801717799212

Relevant websites:

www.gshakti.org

- www.inforse.org/asia/EVD.htm

- www.ecovillagedevelopment.net

Database of Climate Solutions for Eco-Village Development:

www.inforse.org/evd



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