



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



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

Promoting Local Activities in South Asia Supported by Eco-village Development (EVD) Initiatives

Anzoo Sharma, PhD

Center for Rural Technology, Nepal (CRT/N)



Project supported by





ग्रामीण प्रविधि केन्द्र

Centre for Rural Technology, Nepal (CRT/N)

Towards Action for Development ... Since 1989

- Community centric NOG
- CRT/N as a professional/innovative organization and knowledge centre in renewable energy/appropriate technology delivering quality services to local communities for improving their livelihood.
- We aim to deliver delivering quality services to rural communities for enhancing their sustainable livelihoods

ENERGY ACCESS

- ICS, IWM, Hydrum, Solar Dryer/ Cooker, microhydro, solar
- minigrid PUE (Enterprise Promotion)

INDOOR AIR QUALITY

- Clean cooking technology
- Awareness Creation
- Value for money

Livelihood Enhancement

GESI IN ENERGY SECTOR

- Raise awareness
- Policy advocacy

CLIMATE CHANGE (ADAPTATION AND MITIGATION)

- Eco-Village Development
- RETs promotion
- Water management

Content Eco-Village Development (EVD)



WHAT?



WHERE?



WHY?



HOW?

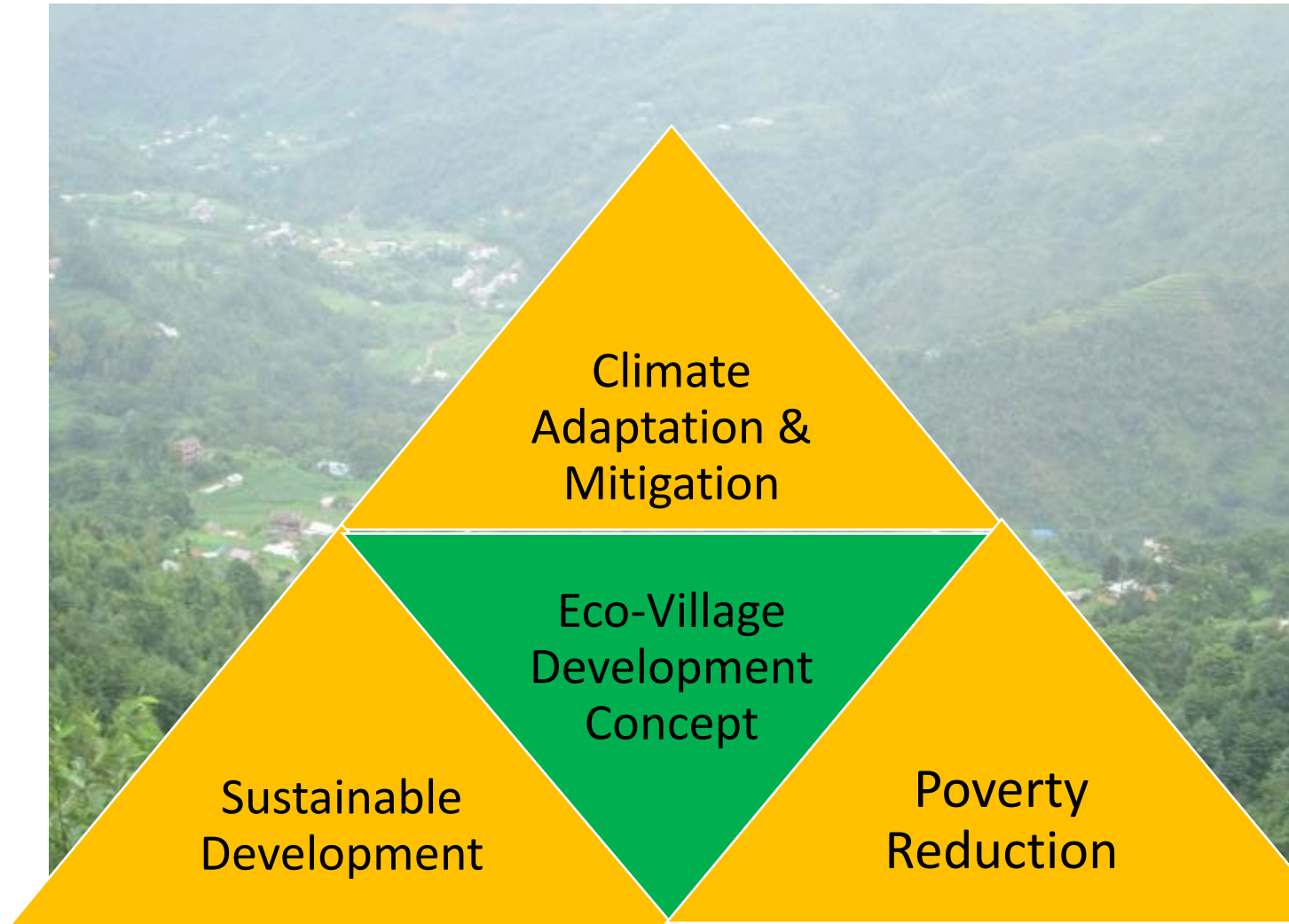
Eco-Village Development Concept



Eco-Village Development Concept

- more than half the population lives in villages and the development of the subcontinent is linked to the development of the villages

EVD Concept is an integrated, bottom-up approach of creating development-focused, low-carbon communities through the implementation of inexpensive, renewable energy solutions, food security interventions, and livelihood enhancing solutions



Characteristics of Eco-Village

Sustainable consumption, Conservation and Management of Environment



Participation of rural communities in planning including women



Strengthening capacity of the community



Optimum utilization of local



Adoption of climate smart agro-practices



Integration of renewable energy technologies (RETs)



Solid waste management at household level

Characteristics of Eco-Village

Sustainable consumption, Conservation and Management of Environment

Participation of rural communities in planning including women

Strengthening capacity of the community

Optimum utilization of local resources

Adoption of climate smart agro-practices

Development of agro-entrepreneur

Integration of renewable energy technologies (RETs)








Productive end use of RETs

Inclusive decision-making processes

Conservation of indigenous practices

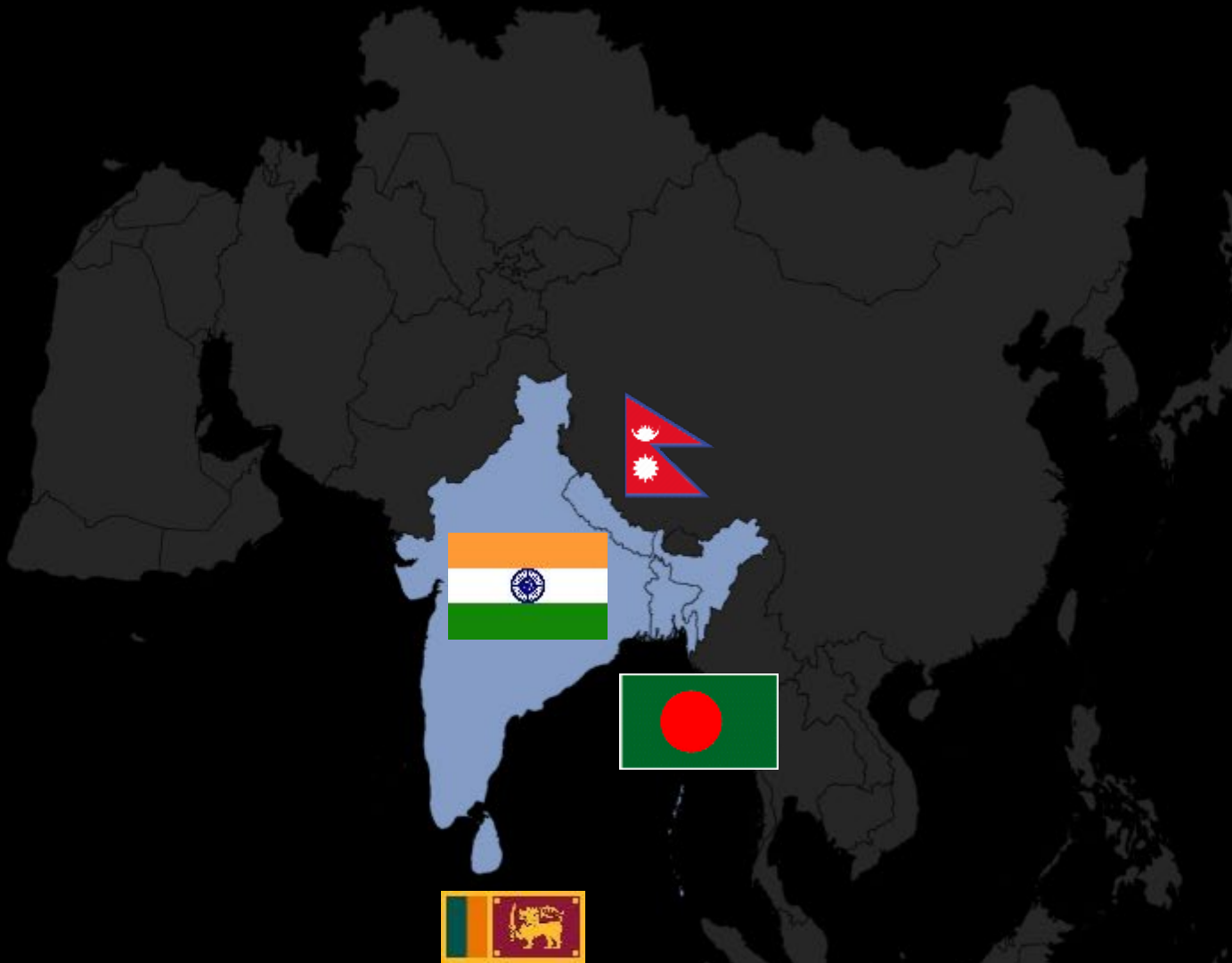
Solid waste management at household level

EVD Interventions addresses 14 out of 17 SDG

	Poverty Reduction – Helps increase in income - solar dried produce and products grown using solar poly-greenhouse, kitchen garden, and from making bamboo products etc.
	Reduction in hunger - availability of Improved quality of produce - vegetables and fruits from kitchen garden.
	Good health because of clean kitchen, reduced indoor and outdoor pollution , drudgery reduction, increased income and nutrition food IHME estimates 1.6 m deaths/year, WHO-4.3 m
	Helps in skill development of women and farmers
	Gender: focus on women, participation in planning, income generation and implementation, Reduces drudgery of women in fuelwood collection, cooking etc.
	Availability of clean water because of roof water harvesting unit and sanitation because of biogas and composting
	Clean Energy is central to EVD concept through improved Cookstove, biogas, solar home system, etc. Reduces use of firewood - 1 million tons of wood is used every day for cooking.

	Helps in economic growth through income generation activities.
	The project focuses on reducing inequality and involves most vulnerable population
	Responsible production through organic manure, Soil and water conservation fruits/ fuel and fodder tree plantation, Improved soil health.
	Climate action – mitigation, adaptation, reduction in movement in forest areas (wood collection), carbon sequestration , GHG reduction, climate resilience.
	The EVD concept includes promotion of home forestry and soil and water conservation helps to halt and reverse land degradation
	The concept involves responsive, inclusive, participatory and representative decision-making at all levels
	Work in partnership : participatory planning, project partnership in 4 countries

Where?



 CRT-N National partner in Nepal f @	 INSEDA National partner in India t @	 IDEA National partner in Sri Lanka f t @	 GRAMEEN SHAKTI National partner in Bangladesh f t @
			

Supported by



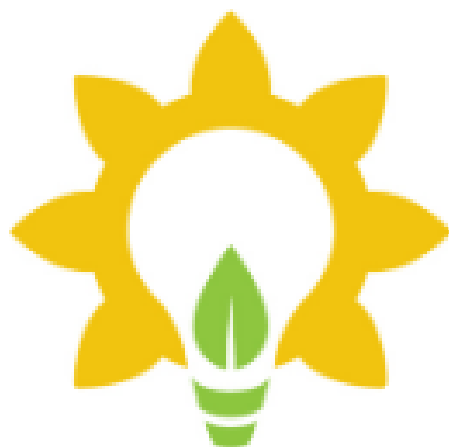
Where?

PROJECT IMPLEMENTING PARTNERS



CRT-N

National partner in Nepal



INSEDA

National partner in India



IDEA

National partner in Sri Lanka



GRAMEEN SHAKTI

National partner in Bangladesh



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BHALUMARA VILLAGE, NEPAL



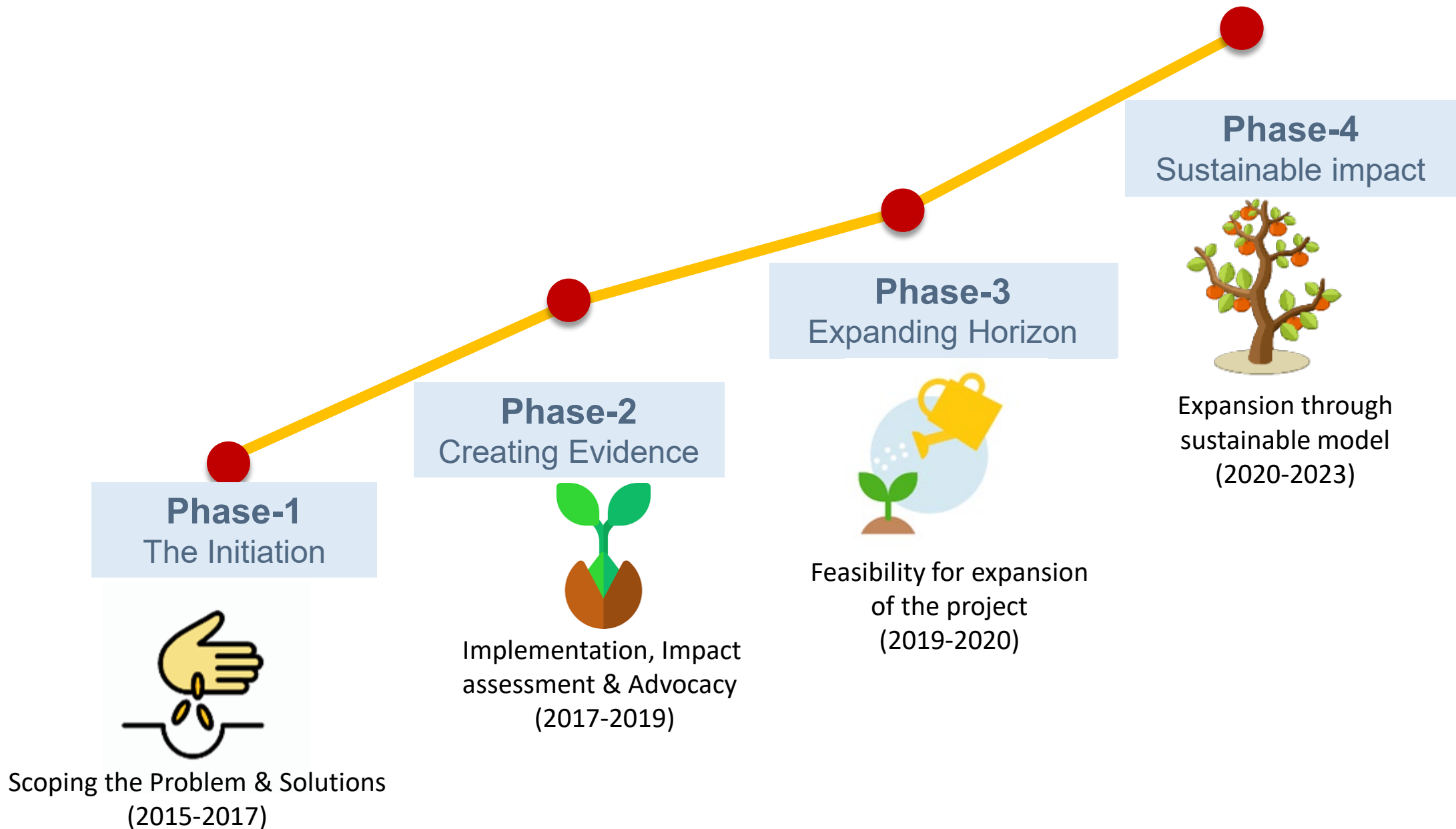
ECO VILLAGE DEVELOPMENT
MATARA, SRI LANKA HOME GARDEN DEVELOPMENT



MARGUL PANCHAYAT, INDIA



MAJHER VILLAGE, PIROJPUR DISTRICT, BANGLADESH





Advocacy on Local Sustainable Solutions at local, national and international level



Advocacy on Local Sustainable Solutions at local, national and international level



MARRAKECH
COP22|2016|CMP12
UN CLIMATE CHANGE CONFERENCE

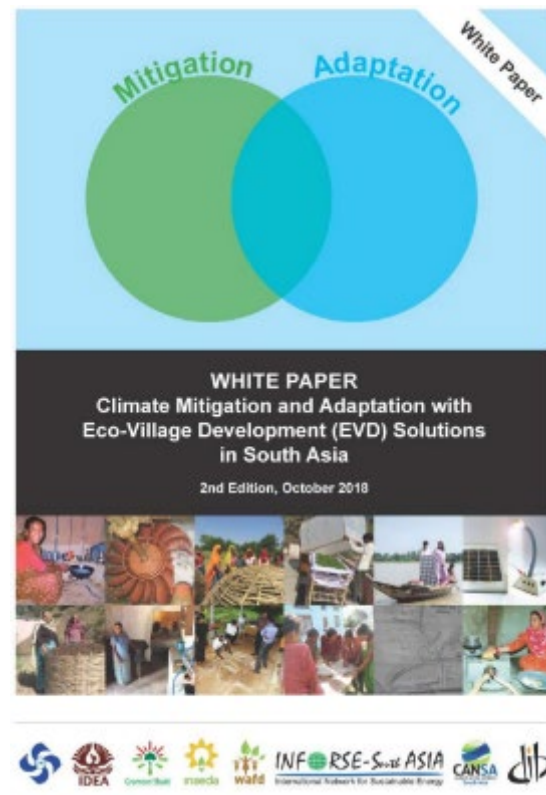
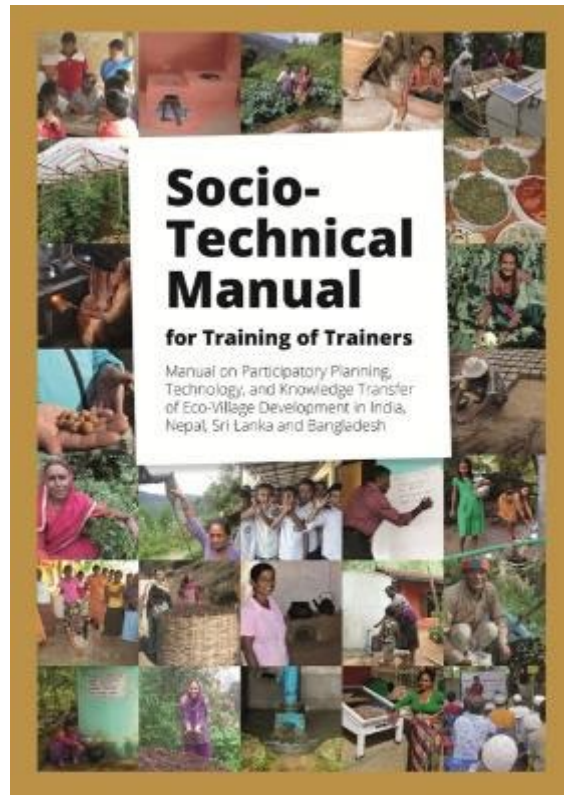
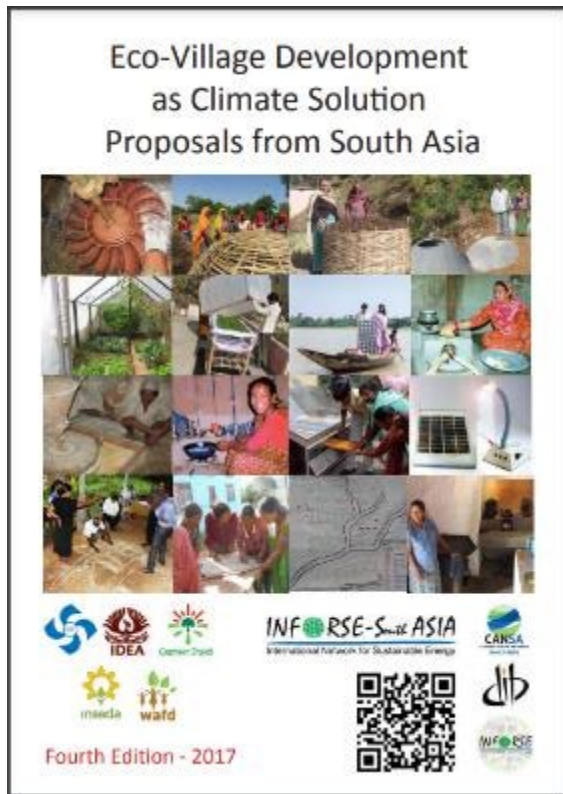


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PUBLICATION AND OUTREACH

SUSTAINABLE ENERGY NEWS



THEMES: 30 YEARS INFORSE - COP27
CATALOGUE: LOCAL SOLUTIONS IN EAST AFRICA, SOUTH ASIA, UKRAINE, EUROPE, SUFFICIENCY, 100 % RENEWABLES SCENARIOS



POLICY BRIEF

June 11, 2022, UNFCCC SB56, Bonn, Germany

Choose a solution category:



Cooking solutions ▾



Off-grid power and light ▾

Open Access Database

PUBLICATION AND OUTREACH

Thank you



More information:
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Relevant websites:
www.inforse.org/asia/EVD.htm
www.ecovillagedevelopment.net
[www.inforse.org/asia/Pub EcoVillageDev TOT Manual SouthAsia.htm](http://www.inforse.org/asia/Pub_EcoVillageDev_TOT_Manual_SouthAsia.htm)

EVD Online Catalogue: www.inforse.org/evd
More: www.inforse.org/SB58.php