



# UNFCCC COP27 SIDE EVENT: 12/11 2022 15:00-16.30 Room: Memphis (Blue Zone)



## 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>





**UNFCCC COP27 SIDE EVENT: 12/11 2022**  
**15:00-16.30 Room: Memphis (Blue Zone)**



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

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

***Anzoo Sharma, Deputy Director***  
***Center for Rural Technology, Nepal***



# Content Eco-Village Development (EVD)



WHAT?



WHERE?



WHY?



HOW?

# Eco-Village Development Concept

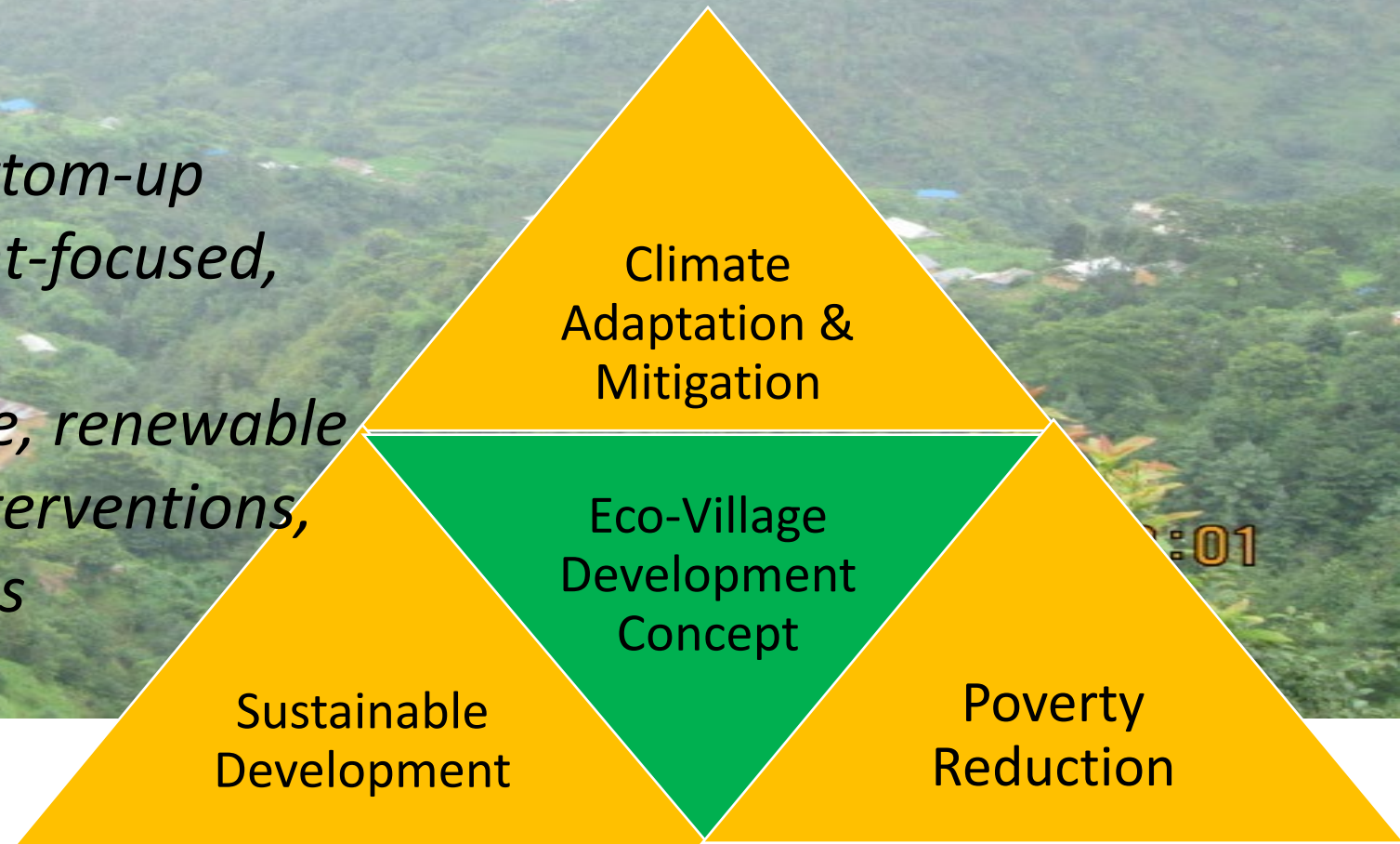


**UNFCCC COP27 SIDE EVENT - Sharm El Sheikh, Egypt - Local Climate - Sustainable Energy Solutions in GST.**  
**Why, How and from Where // INFORSE - INSEDA - SusWatch Kenya - SE 12/11 2022, 15:00-16.30 Room: Memphis**

# 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

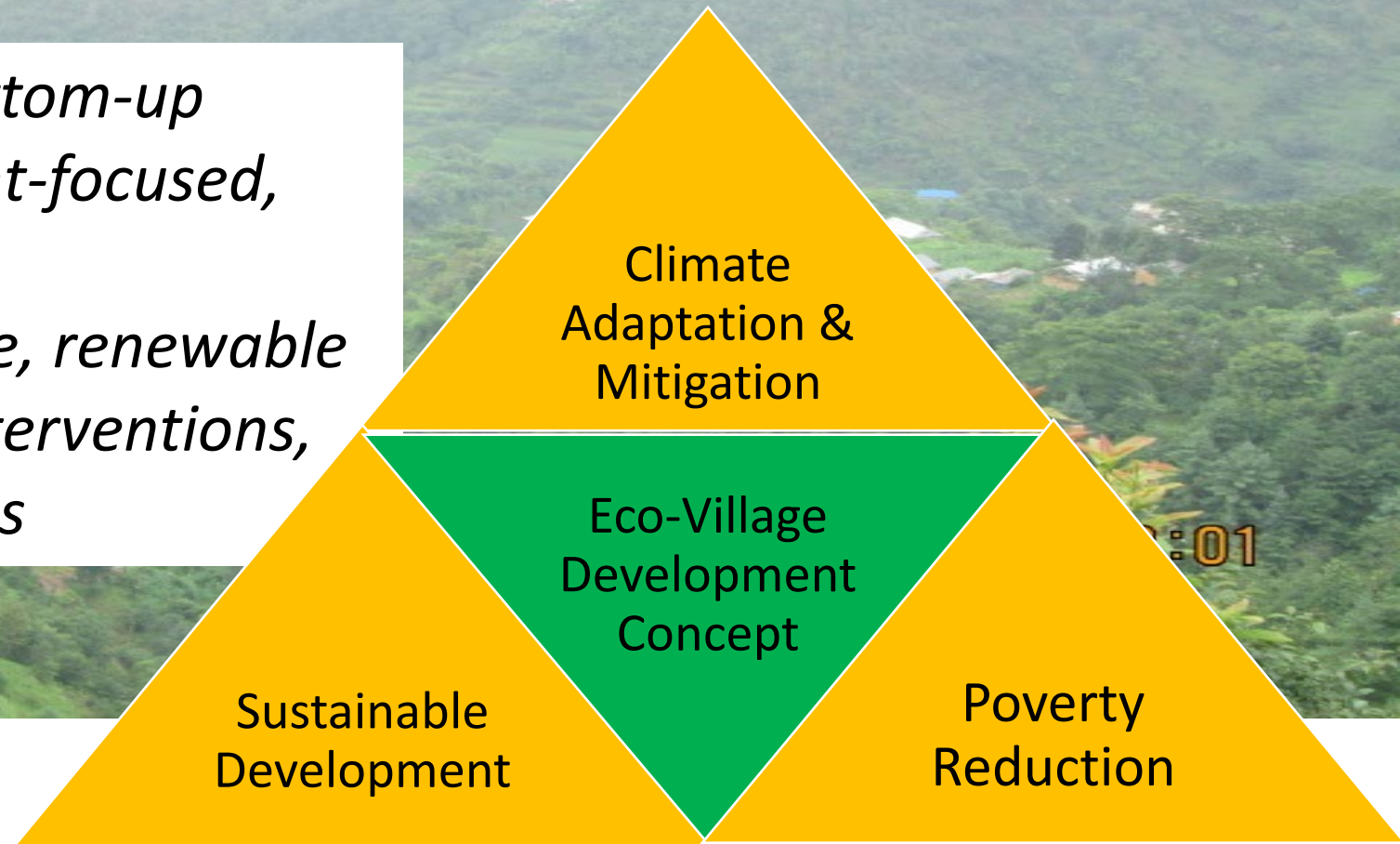
*EVD Concept is an integrated, bottom-up approach of creating development-focused, low-carbon communities through the implementation of inexpensive, renewable energy solutions, food security interventions, and livelihood enhancing solutions*



# 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 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

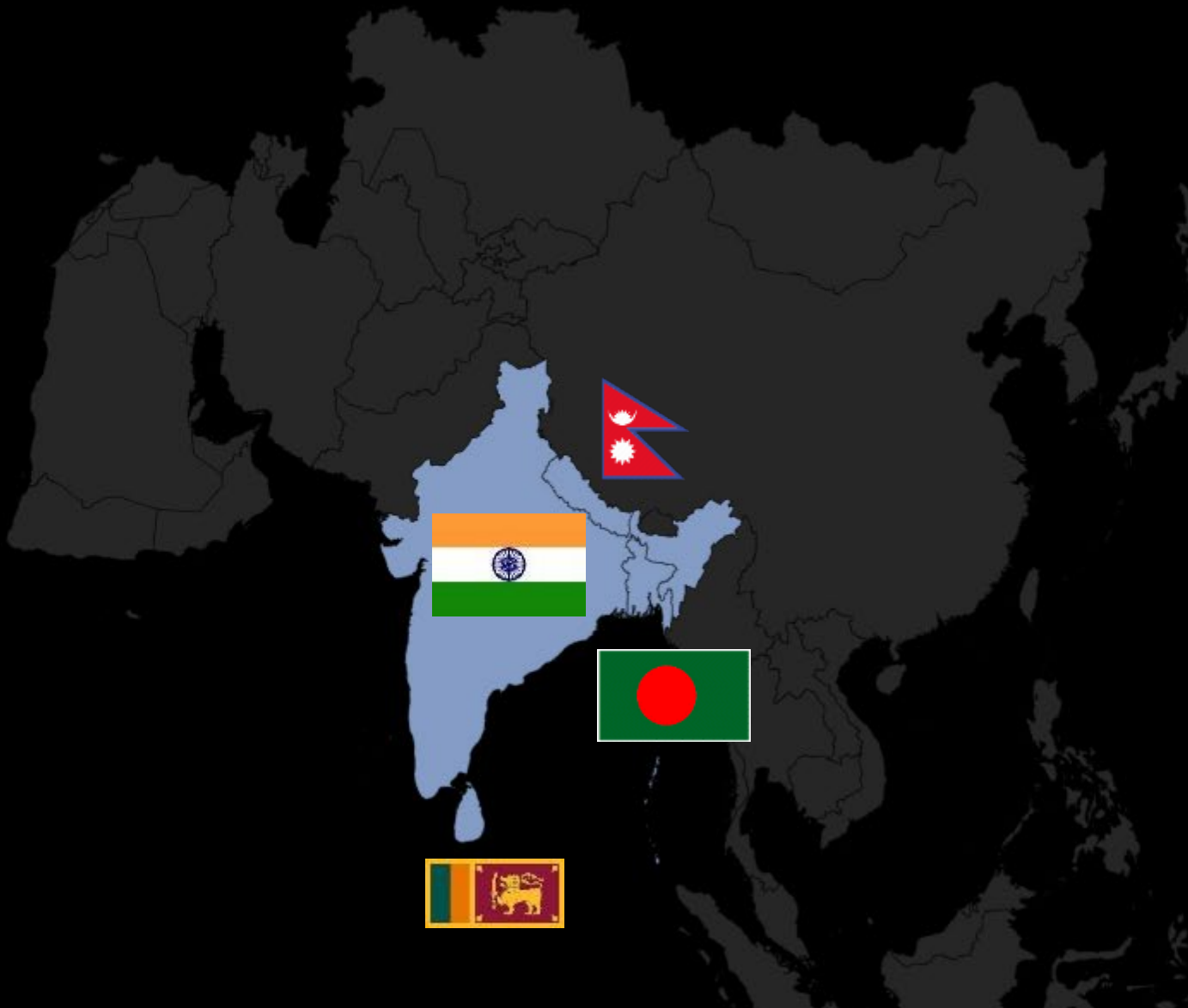
Solid waste management at household level

# EVD projects contributing to 14 SDGs out of 17

	<p><b>Poverty Reduction – Helps increase in income</b> - solar dried produce and products grown using solar poly-greenhouse, kitchen garden, and from making bamboo products etc.</p>		<p>Helps in <b>economic growth</b> through income generation activities.</p>
	<p><b>Reduction in hunger</b> - availability of Improved <b>quality of produce</b> - vegetables and fruits from kitchen garden.</p>		<p>The project focuses on <b>reducing inequality</b> and involves most vulnerable population</p>
	<p><b>Good health</b> because of clean kitchen, <b>reduced indoor and outdoor pollution</b>, drudgery reduction, increased income and nutrition food IHME estimates 1.6 m deaths/year, WHO-4.3 m</p>		<p><b>Responsible production</b> through <b>organic manure, Soil and water conservation</b> fruits/ fuel and fodder tree plantation, <b>Improved soil health.</b></p>
	<p>Helps in <b>skill development of women and farmers</b></p>		<p><b>Climate action</b> – mitigation, adaptation, reduction in <b>movement in forest areas</b> (wood collection), <b>carbon sequestration</b>, GHG reduction, <b>climate resilience.</b></p>
	<p><b>Gender: focus on women, participation in planning, income generation and implementation, Reduces drudgery of women in fuelwood collection, cooking etc.</b></p>		<p>The EVD concept includes promotion of home forestry and soil and water conservation helps to <b>halt and reverse land degradation</b></p>
	<p>Availability of <b>clean water</b> because of roof water harvesting unit and sanitation because of biogas and composting</p>		<p>The concept involves <b>responsive, inclusive, participatory and representative decision-making at all levels</b></p>
	<p><b>Clean Energy</b> 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.</p>		<p><b>Work in partnership : participatory planning, project partnership in 4 countries</b></p>



# Where?



 National partner in Nepal f @	 National partner in India t @	 National partner in Sri Lanka f t @	 National partner in Bangladesh f t @
			

Supported by



Where?

## PROJECT IMPLEMENTING PARTNERS



CRT-N

National partner in Nepal



INSEDA

National partner in India



IDEA

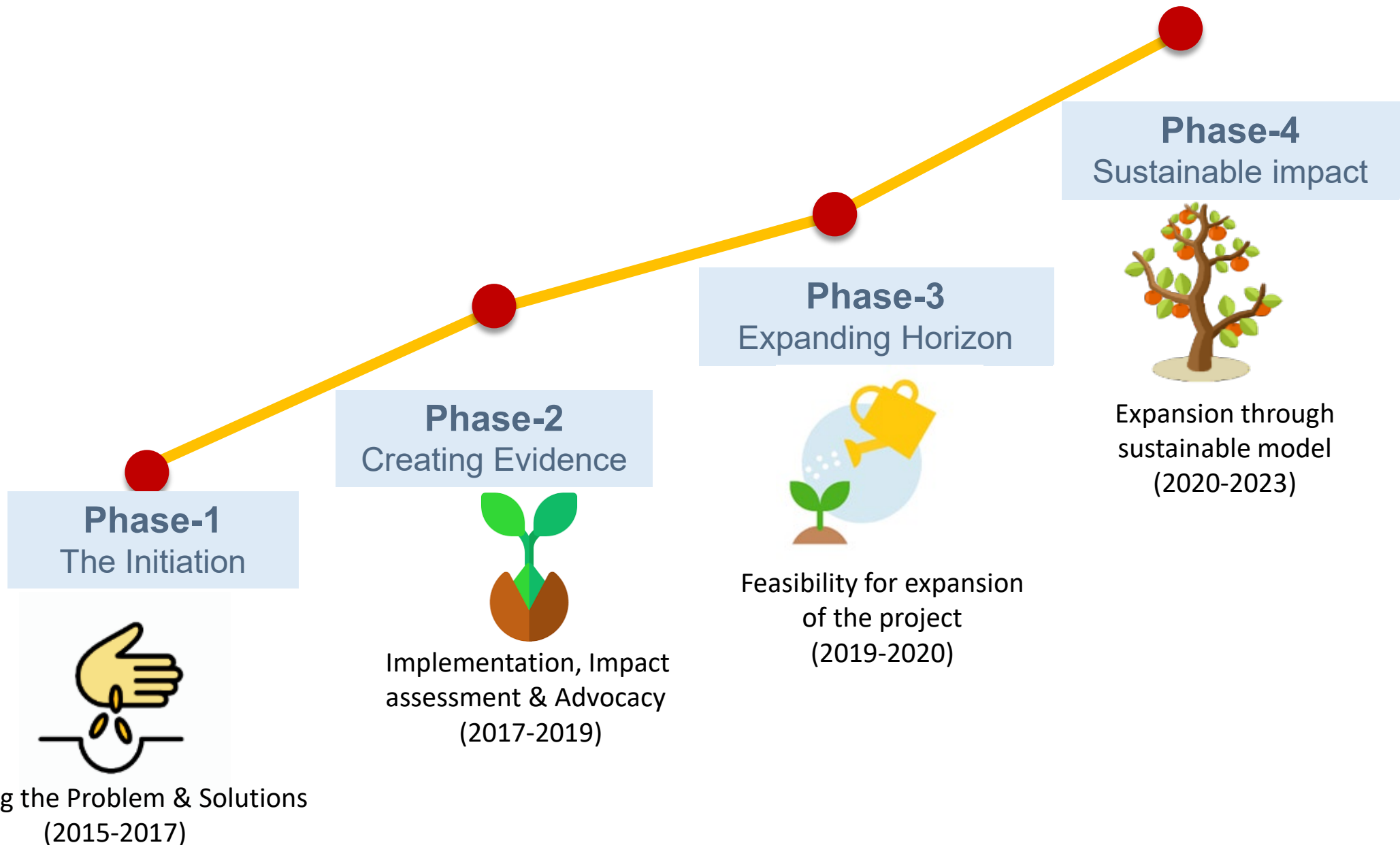
National partner in Sri Lanka



GRAMEEN SHAKTI

National partner in Bangladesh

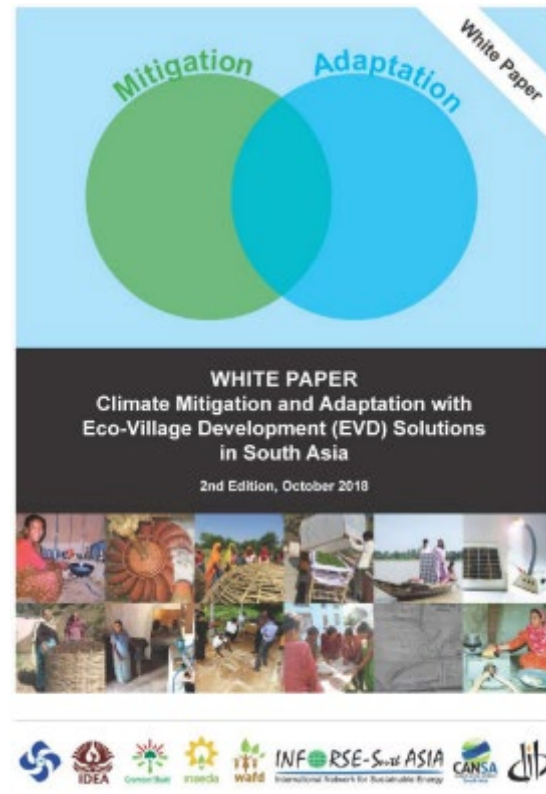
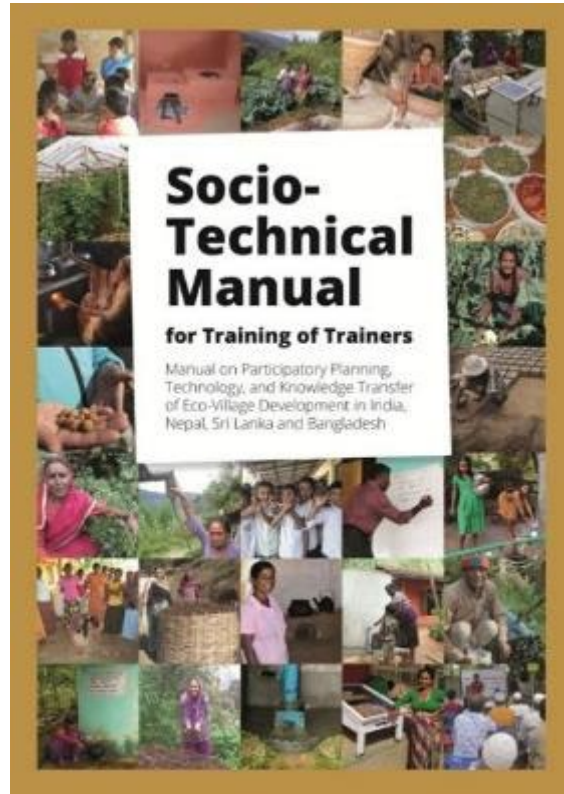
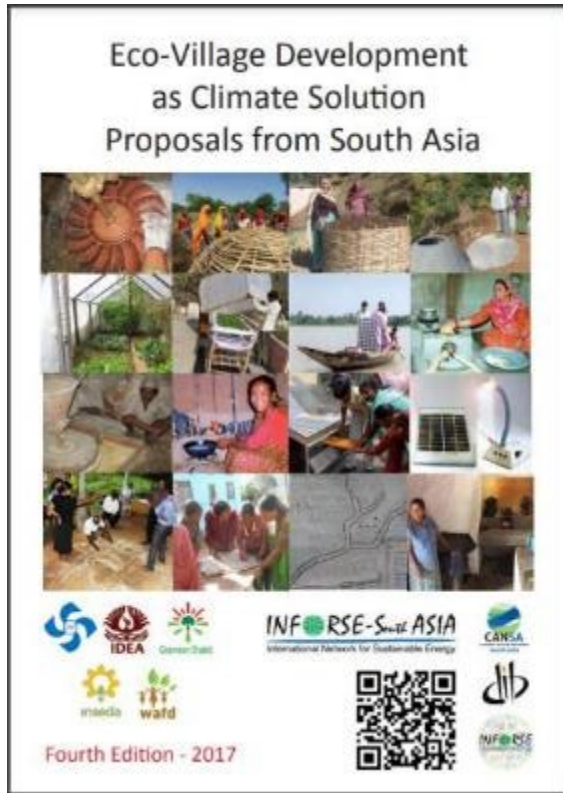




# Advocacy on Local Sustainable Solutions at local, national and international level



**UNFCCC COP27 SIDE EVENT - Sharm El Sheikh, Egypt - Local Climate - Sustainable Energy Solutions in GST.**  
**Why, How and from Where // INFORSE - INSEDA - SusWatch Kenya - SE 12/11 2022, 15:00-16.30 Room: Memphis**



# PUBLICATION AND OUTREACH

---

NEWSLETTER OF INFORSE - INTERNATIONAL NETWORK FOR SUSTAINABLE ENERGY NO. 86, NOVEMBER 2022

# SUSTAINABLE ENERGY NEWS

RENEWABLE ENERGY YES PLEASE!

NUCLEAR POWER IS NO THING

INFORSE 30 YEARS

LOCAL CLIMATE SOLUTIONS TO END POVERTY

**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:**  
**Anzoo Sharma, PhD, Deputy Director**  
**Center for Rural Technology, Nepal**  
**[anzoo@crtnepal.org](mailto:anzoo@crtnepal.org) | [www.crtnepal.org](http://www.crtnepal.org)**



**Relevant websites:**  
[www.inforse.org/asia/EVD.htm](http://www.inforse.org/asia/EVD.htm)  
[www.ecovillagedevelopment.net](http://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](http://www.inforse.org/evd)**  
**Proceedings: [www.inforse.org/cop27.php](http://www.inforse.org/cop27.php)**

