



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 (@)

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



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

Local Solutions in the GST, Why and How?

**DUMINDU HERATH,
INTEGRATED DEVELOPMENT ASSOCIATION (IDEA)
SRI LANKA**



1.5°C Are we getting there?

Global GHG emissions in 2030 associated with the implementation of Nationally Determined Contributions (NDCs) announced prior to COP26 would make it likely that warming will exceed 1.5°C during the 21st century. Likely limiting warming to below 2°C would then rely on a rapid acceleration of mitigation efforts after 2030. Policies implemented by the end of 2020 are projected to result in higher global GHG emissions than those implied by NDCs. *IPCC,2022*

Vital that local solutions are given the emphasis- Climate action with poverty reduction and other benefits



World of Biomass and Emissions

One third of the global population or 2.4 billion people worldwide still remain without access to clean cooking - *WHO*

Gigaton of CO₂eq per year, representing about 2% percent of global emissions – *Clean cooking alliance*

Black Carbon a Key Contributor

Efficient stoves can reduce fuel use by 30-60%



The Science

Though CO₂ dominates long-term warming, the reduction of warming short-lived climate forcers (SLCFs), such as methane and black carbon, can in the short term contribute significantly to limiting warming to 1.5°C above pre-industrial levels.

Reductions of black carbon and methane would have substantial co-benefits (*high confidence*), including improved health due to reduced air pollution. This, in turn, enhances the institutional and socio- cultural feasibility of such actions.



Social Inclusion
Improved Air
Energy Security IAP
Energy Access
Poverty Eradication
Health Gender Equality
Food Security

NDCs Related to Improved Biomass Cookstoves and Initiatives



Clean cooking and climate targets like forest conservation, air quality, and household energy

Local Solutions in NDCs- South Asia

By 2030 25% of households use electric stoves as their primary mode of cooking.

By 2025,

- Install 500,000 improved cookstoves, specifically in rural areas.
- Install an additional 200,000 household biogas plants



By 2030 ,23% Reduction of CO₂ from Cooking



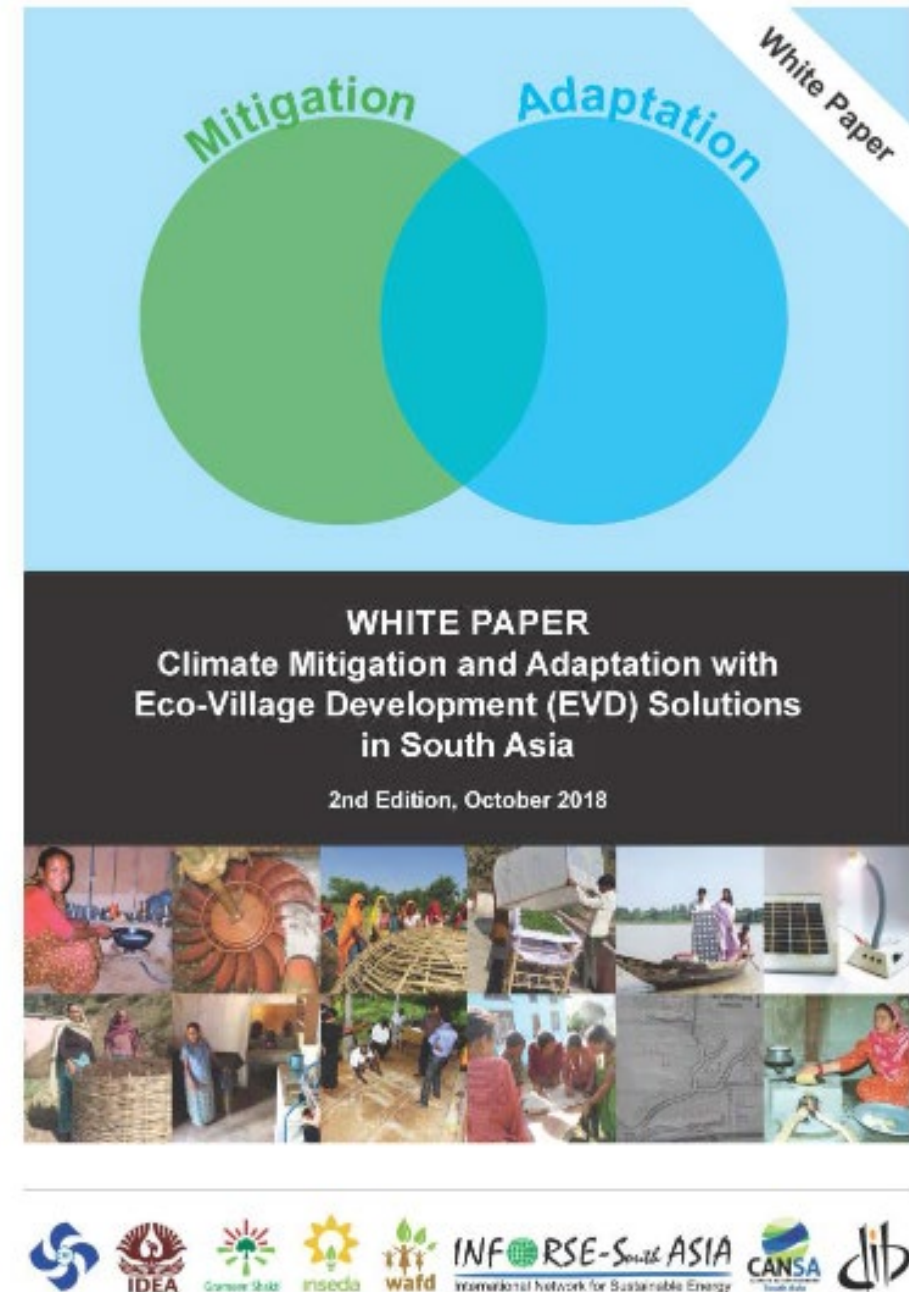
Achievements and Initiatives:

- Ashrayan: Shelter for the Homeless and Landless
- National Action Plan for Clean Cooking, 2020-2030
- Bangladesh National Action Plan for Reducing Short-Lived Climate Pollutants

What Next?

Recommendations

- Local solutions overlooked in GST-Non/part inclusion of in NDCs -Lack of Data and Information
- GST reports of the extent of which these solutions are used in each country, how they are included in NDCs and climate plans
- The potential they have for further reduction of emissions, adaptation and means of implementation-appropriate access to finance.
- Vehicle for raising ambition on Temperature goal as well as the finance goal
- Faster reductions on Carbon emissions
- INFORSE GST Submissions



Thank you

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Relevant websites:

www.inforse.org/asia/EVD.htm

www.ecovillagedevelopment.net

http://www.inforse.org/asia/Pub_EcoVillageDev

[TOT Manual SouthAsia.htm](http://www.inforse.org/asia/TOT_Manual_SouthAsia.htm)

EVD Online Catalogue www.inforse.org/evd

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

