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


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

More: https://inforse.org/SB58.php
Local solutions in the GST, Why and How?

DUMINDU HERATH,
INTEGRATED DEVELOPMENT ASSOCIATION (IDEA)
SRI LANKA
08/06/2023
Integrated Development Association (IDEA)

Non profit NGO-33 Years since establishment – Sustainable Development and Natural resources management

World clean energy awards 2007 nominee

National presidential award-red flame “bringing energy to the people”

Climate resilient Eco Village Development since 2015
1.5°C a Reality?

Global GHG emissions in 2030 implied by nationally determined contributions (NDCs) announced by October 2021 make it likely that warming will exceed 1.5°C during the 21st century and make it harder to limit warming below 2°C. *IPCC AR6, 2023*

Vital that local solutions are given the emphasis - Climate action with poverty reduction and other benefits.
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 CO$_2$eq per year, representing about 2% percent of global emissions – *Clean cooking alliance*

Black Carbon a Key Contributor
Though CO$_2$ 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.
Improved Cookstoves

can reduce fuel use by 30-60%

Reduction of black carbon with substantial co-benefits
Poverty alleviation, limits deforestation, Reduced indoor and outdoor air pollution and improved health-women and children, Reduced Drudgery of women, Reduced costs...etc

Social Inclusion
Improved Air
Energy Security
Energy Access
Poverty Eradication
Health
Gender Equality
Food Security
Clean cooking initiatives in NDCs

98 LMICs, 72 Directly, 26 indirectly with adjacent goals - forest conservation, air quality, and household energy..

South Asia - some adequately included

Does not necessarily mean they have not considered

Source: Clean Cooking Alliance, 2023
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

- National Action Plan for Clean Cooking, 2020-2030
- Bangladesh National Action Plan for Reducing Short-Lived Climate Pollutants
Energy efficient installations for small enterprises: Improved brick making

Energy efficient cooking fuel production: Improved Kiln for Charcoal Making
Way forward

- Faster reductions on Carbon emissions – Low hanging fruit
- Opportunity for Raising ambition-Temperature and finance goals
- GST does not solely focus on NDCs
- GST process reports
  Extent of application of solutions in countries
  Potential for reduction of emissions
  Inclusion in climate plans/NDCs

INFORSE GST Submissions 2022
Thank you

Climate resilient paddy farming for small holders in Matara Sri Lanka (Free of chemical pesticides and weedicides)

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Relevant websites:
www.inforse.org/asia/EVD.htm
www.ecovillagedevelopment.net

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