# UNFCCC SB58, SIDE EVENT: 8/6 2023 16:45-18.00
# Room: Kaminzimmer, Bonn, Germany

## 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 CISU CIVIL SOCIETY IN DEVELOPMENT

SB58 2023

Thurs., 8 June 2023 - 16.45 - 18.00

Room: Kaminzimmer

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

# Local solutions in the GST, Why and How?


**DUMINDU HERATH,**

**INTEGRATED DEVELOPMENT ASSOCIATION (IDEA)**

**SRI LANKA**


**08/06/2023**


Project supported by

CISU CIVIL SOCIETY IN DEVELOPMENT

# 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

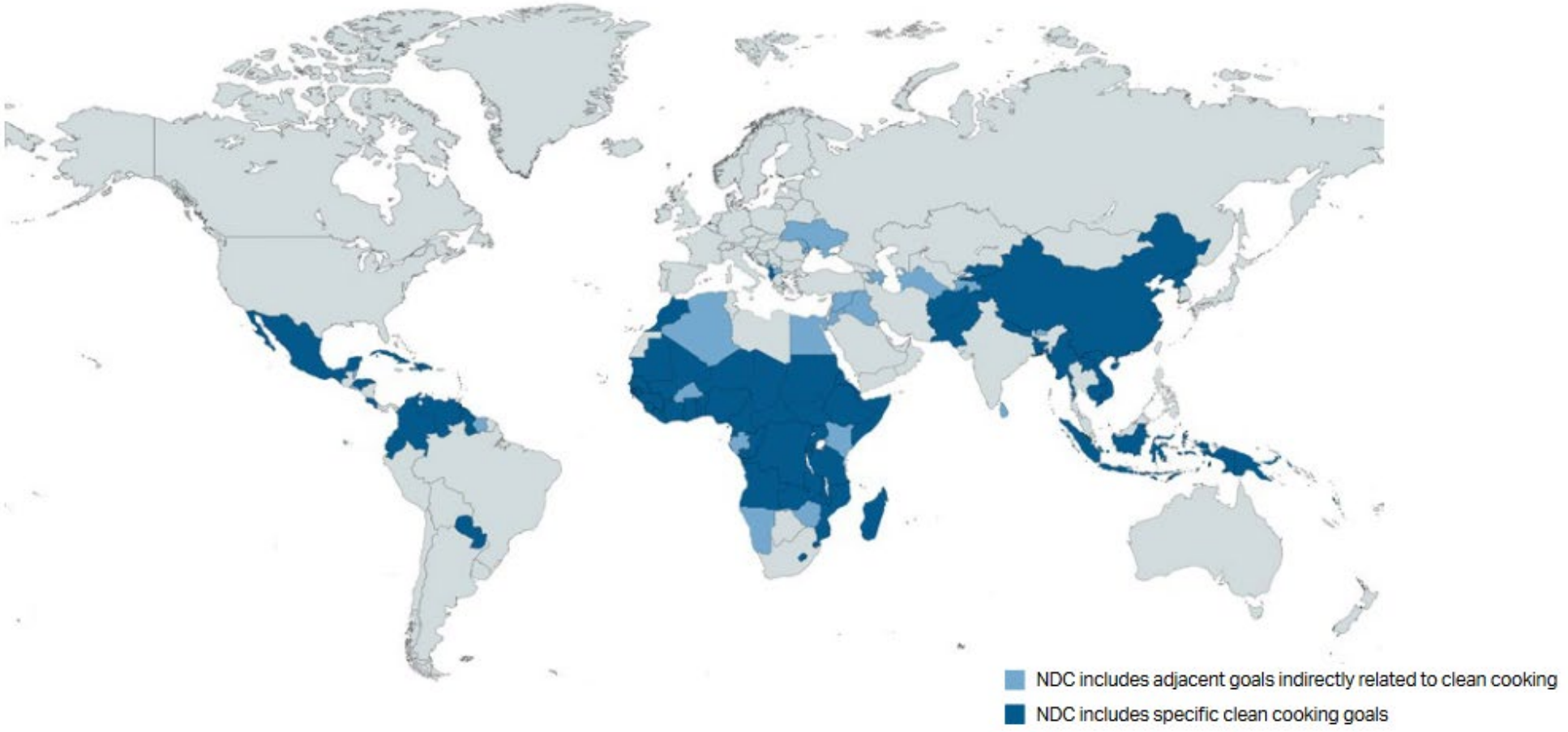



# Clean cooking initiatives in NDCs

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

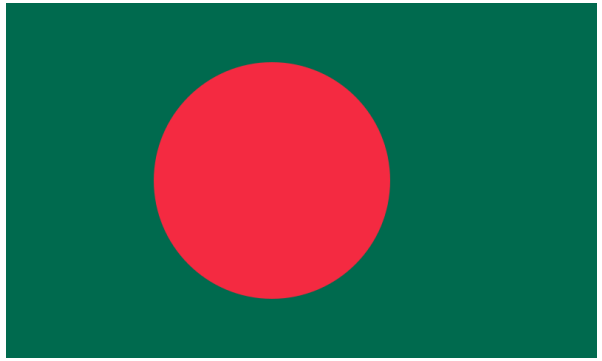



Source: Clean Cooking Alliance, 2023

# 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 $CO_2$ 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

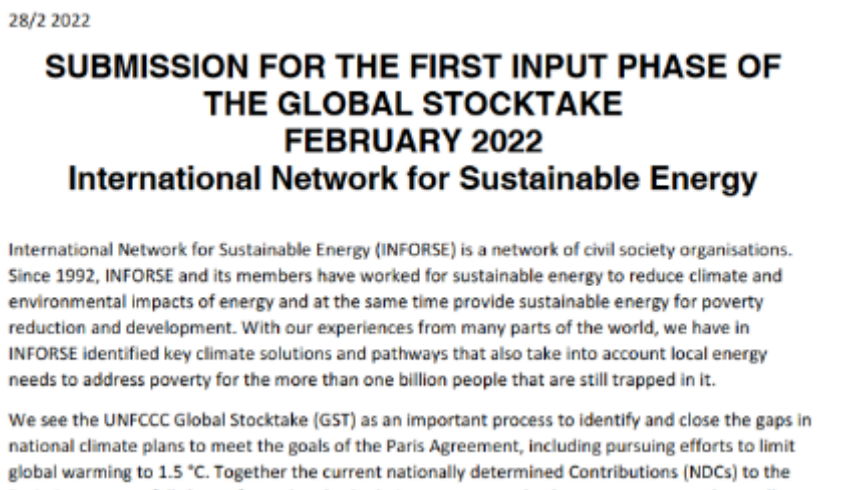
  Extent of application of solutions in countries

  Potential for reduction of emissions

  Inclusion in climate plans/NDCs

INFORSE GST Submissions 2022



28/2 2022

**SUBMISSION FOR THE FIRST INPUT PHASE OF THE GLOBAL STOCKTAKE FEBRUARY 2022**

**International Network for Sustainable Energy**

International Network for Sustainable Energy (INFORSE) is a network of civil society organisations. Since 1992, INFORSE and its members have worked for sustainable energy to reduce climate and environmental impacts of energy and at the same time provide sustainable energy for poverty reduction and development. With our experiences from many parts of the world, we have in INFORSE identified key climate solutions and pathways that also take into account local energy needs to address poverty for the more than one billion people that are still trapped in it.

We see the UNFCCC Global Stocktake (GST) as an important process to identify and close the gaps in national climate plans to meet the goals of the Paris Agreement, including pursuing efforts to limit global warming to 1.5 °C. Together the current nationally determined Contributions (NDCs) to the

# Thank you

**More information:**
Ideasrilankaky@gmail.com
IDEA Kandy FB page
Tel/Mobile +94812423396/ +94771699719
www.ideasrilanka.org

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

**EVD Online Catalogue:**
www.inforse.org/evd

www.inforse.org/SB58.php

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