

### 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, 100 % Renewables Kenya,**

**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>

## Local Climate - Sustainable Energy Solutions in Global Stocktake (GST), Why, How and from Where

### Promoting Local Solutions as Important Climate and Development Solutions in East Africa

***Mary Swai***

***TaTEDO – Sustainable Energy Services Organization & INFORSE East Africa,  
Tanzania***



# About TaTEDO

- TaTEDO (Centre for Sustainable Energy services) is a NGO with more than 30 years of experience committed to facilitating access to sustainable energy services in Tanzania
- Overall objective of TaTEDO is to improve peoples' livelihoods by increasing their access to sustainable energy services and technologies.
- Some of the technologies promoted by TaTEDO include renewable energy mini-grids, improved wood-fuel cook stoves, solar PV systems, solar drying technologies, sustainable charcoal value chain, briquettes from carbonized bio-waste, efficient electric cooking appliances (electric pressure cooker), and e-mobility.
- Activities include implementation of sustainable energy projects, dissemination of energy awareness information, lobbying and advocating for supportive energy and climate change policies, supports sustainable energy enterprises, provides energy-related consultancy services, conducts energy-related applied research, and develops networking and partnerships.



# INFORSE East Africa

- **INFORSE East Africa network** is a regional part of the **International Network for Sustainable Energy (INFORSE)**
- TaTEDO is the Regional Coordinator of INFORSE EA
- TaTEDO and other partners including Sustainable Environmental Development Watch- SusWatch Kenya, Uganda Coalition for Sustainable Development (UCSD), Joint Energy and Environment Project (Uganda), Nordic Folkecenter for Renewable Energy and INFORSE are collaborating to implement the EA Civil Society for Sustainable Energy and Climate Actions (EASE-CA) Project, supported by CISU, Denmark





# Why Local Solution is Important?

- Globally, 733 million people are without access to electricity, 80 percent of them in Africa.
- 2.4 billion people do not have access to clean cooking, 30% are in sub-Saharan Africa.
- Heavy reliance on traditional fuel sources have environmental effects and health hazards.
- Small-scale and locally based sustainable energy projects are recognized as important forms of development assistance for reaching the energy poor and contributing to reduced GHG emissions.
- Local sustainable and affordable energy solutions can play a key role in supporting the transition towards more sustainable energy systems to population most widely affected by energy poverty.



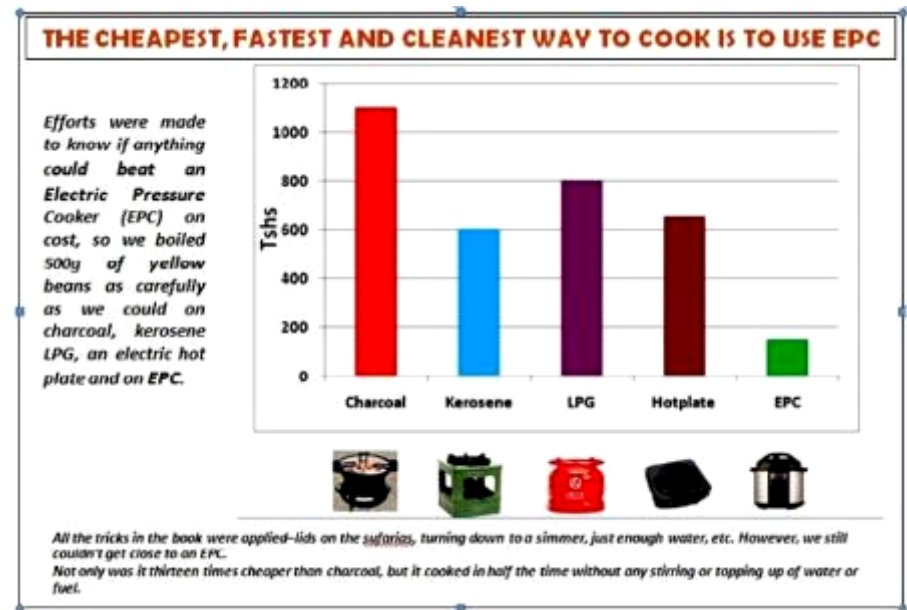
Replacement of inefficient with efficient stove reduce amount of fuelwood consumption by more than half

# Why Local Solution is Important?

- Reduce GHG emissions by replacing inefficient technologies and high emission technologies that use fossil fuels
  - Integrating Solar Powered water pump and drip irrigation
  - 12Kw Solar system Installed
  - Pumping capacity 18,000L/hrs
- Sustainable small scale energy projects has the potential to reduce households energy budgets
  - In Tanzania, cooking using the EPC is 7 times cheaper than kerosene, 10 times cheaper than LPG, and 13times cheaper than charcoal for boiling heavy foods.



Replacement of diesel pump with solar powered pump





# Why Local Solution is Important?

- Local solutions provide opportunities for small business activities
- Local solutions contribute to improving the living conditions of local community
- Local sustainable energy solutions are important for climate targets and is a crucial in reducing poverty in developing countries.





# LOCAL SUSTAINABLE SOLUTIONS in EAST AFRICA

## CATALOGUE: ONLINE 50 SUCCESS CASES

[WWW.LOCALSOLUTIONS.INFORSE.ORG](http://WWW.LOCALSOLUTIONS.INFORSE.ORG)

INFORSE  
East AFRICA



Cooking



Cooking fuels



Light, Electricity



Water



Growing food, oils



Transport



Solar heat & others

By Country







# Thank you

More info Contact:

Mary Swai

TaTEDO

Email: [energy@tatedo.or.tz](mailto:energy@tatedo.or.tz)

[www.tatedo.or.tz](http://www.tatedo.or.tz)

EASE & CA Project: [inforse.org/africa/EASE.htm](http://inforse.org/africa/EASE.htm)

Online Catalogue: [www.localsolutions.inforse.org](http://www.localsolutions.inforse.org)

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



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