



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, 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, from Sri Lankan Delegation

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.



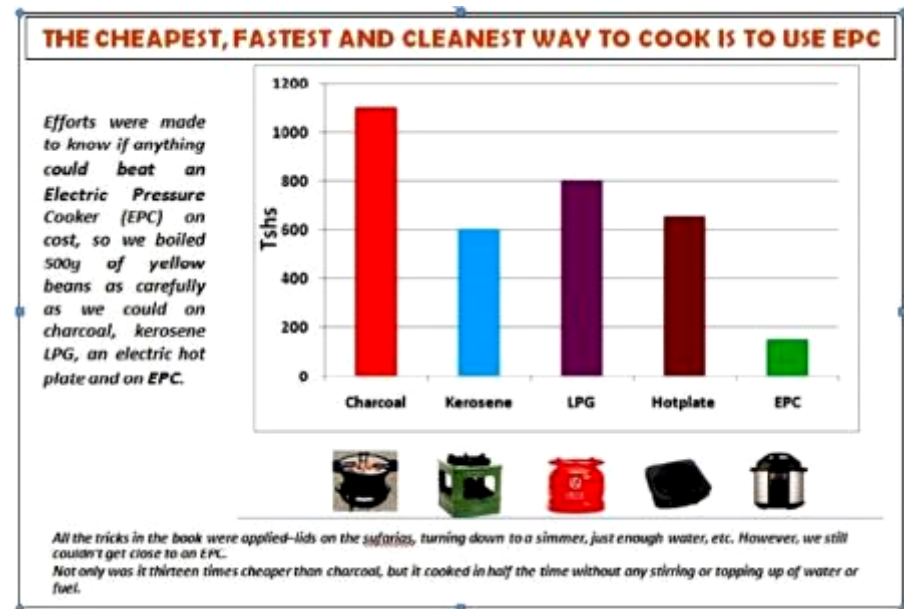
Replacement of inefficient with efficient stove reduce amount of fuelwood consumption by more than half

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

INFORSE
East AFRICA



Cooking



Cooking fuels



Light, Electricity



Water



Growing food, oils



Transport



Solar heat & others

By Country





Thank you

More info Contact:

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EASE & CA Project: inforse.org/africa/EASE.htm

Online Catalogue: 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.
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