



UNFCCC COP28 SIDE EVENT Blue Zone: 8/12
2023 11:30-13:00, B6, SE Room 1, #79



100% Renewable & Local Solutions: Africa, South Asia & Local Climate Resilience and Poverty Reduction. Organised by GEN, INSEDA, Folkecenter & SusWatch

INFORSE East Africa Catalogue for Local Sustainable Solutions in East Africa, Kenya, Tanzania, Uganda

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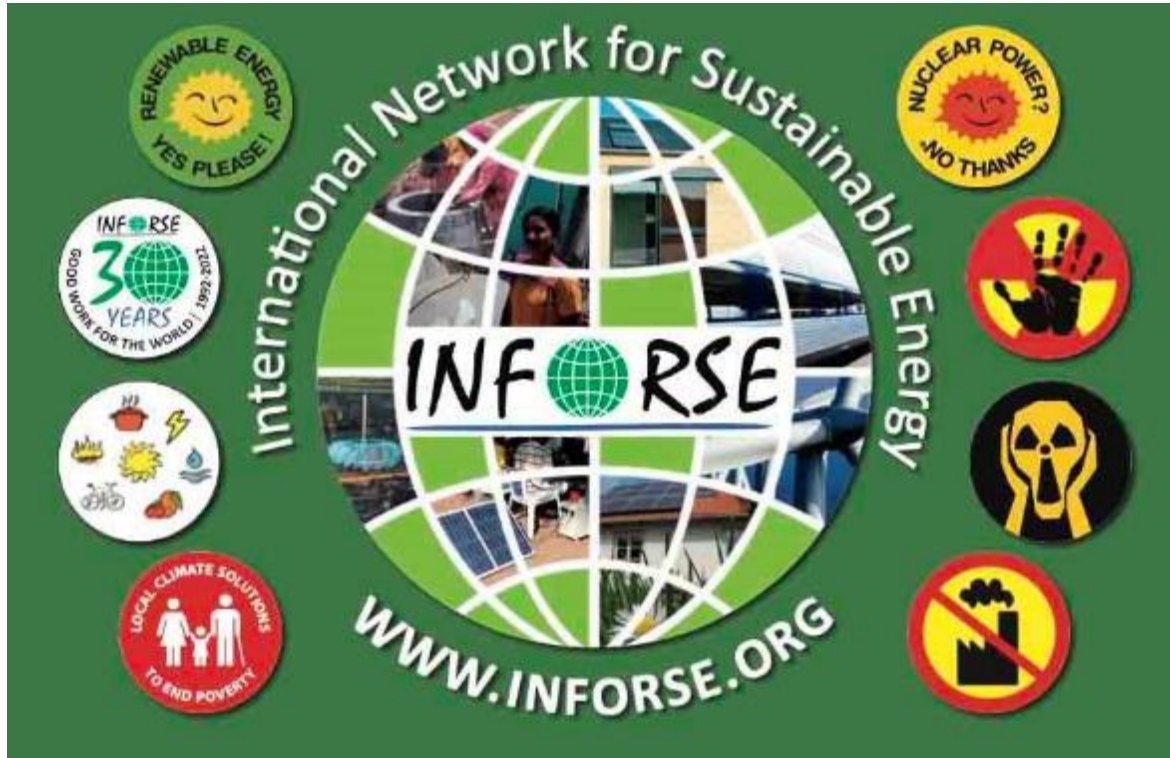
Judit Szoleczky

International Network for Sustainable Energy

INFORSE



International Network for Sustainable Energy - INFORSE



INFORSE is a network of 150 NGOs worldwide formed 1992 at Rio “Earth Summit”



An international voice of NGOs promoting:
renewable energy, energy efficiency, fossil-free, nuclear-free, 100%-RE scenarios protect environment, reduce poverty, women empowerment, and sustainable lifestyle - sufficiency



Sustainable Energy News, Contact database, Publications, Databases for local sustainable solutions, Follow UNFCCC & UN Sust. Dev. Conferences, Rio+ Active regional NGO cooperations within Africa, Europe, South Asia



INFORSE at UNFCCC COPs



Document more than 80+ practical climate local solutions that solve energy, water, food insecurity challenges faced by local communities

CATALOGUE: LOCAL SUSTAINABLE SOLUTIONS IN EAST AFRICA



WWW.LOCALSOLUTIONS.INFORSE.ORG

Catalogue for Local Sustainable Solutions in East Africa, Kenya, Tanzania, Uganda

- Catalogue 80+ solutions / cases online

www.localsolutions.inforse.org

pdf download, offline and in print

Brochure: Swahili, Luganda, Runyakitara and Luo (12 page)

CATALOGUE Local Sustainable Solutions-East Africa

Collection of Successful Cases of Sustainable Energy and Climate Solutions in Kenya, Uganda and Tanzania

Second Edition, March 2023

WWW.LOCALSOLUTIONS.INFORSE.ORG




Catalogue for Local Sustainable Solutions in East Africa

www.localsolutions.inforse.org


 Cooking	
 Cooking fuels	
 Light, Electricity	
 Water	
 Growing Food, Oils	
 Transport	
 Solar Heat & Others	
By Country	

 **Cooking**


- Improved cookstoves for firewood
- Improved cookstoves for charcoal
- Cookstove Biogas
- Solar cookers, hay boxes, e-cookers

 **Cooking fuels**


- Charcoal making
- Brickets of charcoal, sawdust and others
- Fuelwood planting

 **Light, Electricity**


- Light solar lanterns
- Solar home system
- Renewable energy minigrids and m

 **Water**

- Rain-water harvesting and use
- Improved wells
- Water savings

 **Growing food, oils**

- Kitchen gardening
- Organic vegetables for market
- Agro-forestry, & products from trees

 **Transport**

- Bicycles

 **Solar heat & others**

- Solar drying
- Solar water heating



Rocket stove by Caritas department/Catholic Church in Kenya(Kitu)

Kenya



Upesi stove

Kenya



Eco Tohu

Kenya



Solar Improved Institutional Forward Cook-stoves (SIIFF)

Tanzania



Home / View case

Download PDF

Country:

Uganda

Why to choose this solution?

The shielded cook stove saves firewood compared to the ordinary three-stone cook stove and also produces much less smoke. The Shielded Cook Stove makes cooking easier since one does not need to keep blowing fire and monitoring the burning all the time. The Shielded Cook Stove can also be designed in such a way that it uses both charcoal, briquettes and firewood such that it does not limit the fuel sources in the local communities. It is movable whereby one can cook within the kitchen or outside the kitchen and also minimises accidents and burns since it is insulated and organised.

Savings per day or production:

Catalogue for Local Sustainable Solutions in East Africa

Catalogue details

- Why to choose the solution
- Benefits
- Costs & Lifetime
- Maintenance needs
- Barriers, Limitations
- Why is it successful
- Contribution to climate effect
- Financing & business models
- Link to short video on construction and use
- More Info & Sources

www.localsolutions.inforse.org





Cooking



Cooking fuels



Light, Electricity



Water



Growing Food, Oils



Transport



Solar Heat & Others

By Country

THANK YOU



Cooking



Cooking fuels



Light, Electricity



Water



Growing food, oils



Transport



Solar heat & others



By Country

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Why Local Solution is Important?

- Globally, 733 million people are without access to electricity, 80 % 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?

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



THANK YOU

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More: www.inforse.org/cop28.php