

INFORSE-Europe European Sustainable Energy Seminar, August 17-20, 2021  
at the Nordic Folkecenter for Renewable Energy, Denmark

# INFORSE at UN Climate & SDGs, North-South Regional Cooperation Projects in East Africa & South Asia

by Judit Szoleczky, INFORSE



# International Network for Sustainable Energy

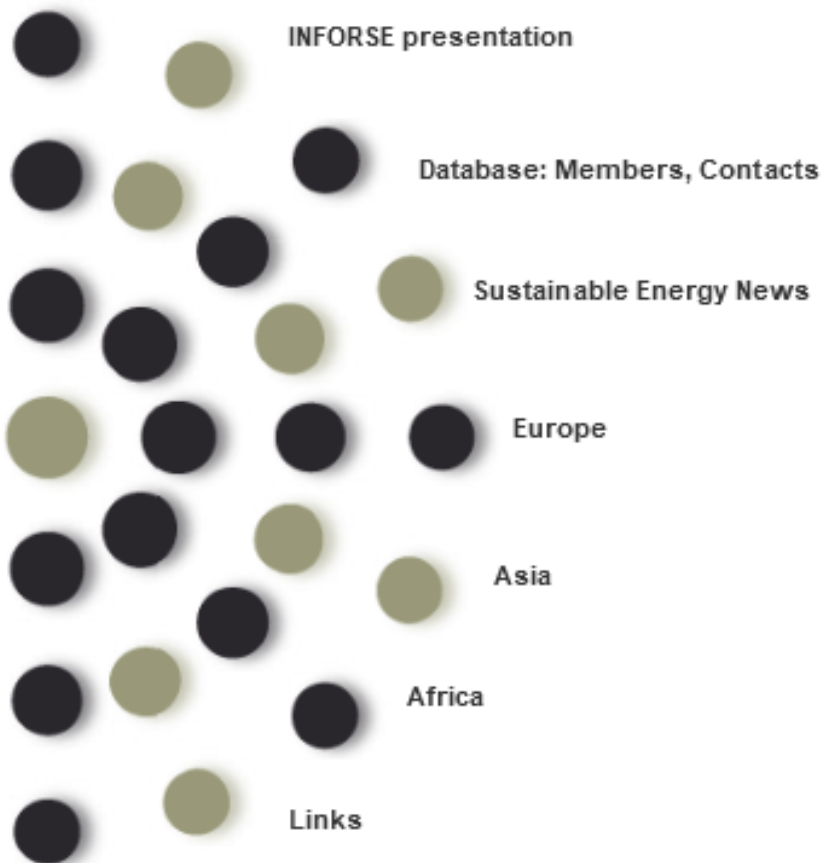
**Network of 150 NGOs worldwide**

**Established in 1992 to give an international voice to NGOs promoting renewable energy & energy efficiency**

- ECOSOC and UNFCCC observer status (COPs)**
- North-South regional cooperation, energy access**
- Climate, renewable & energy efficiency policies**
- Scenarios and proposals for 100% renewables**
- NGO Cooperation on Sustainable Energy & Climate Action in East Africa (Catalogue)**
- Eco-Village Development in South Asia**
- Activities driven by the Members !!**



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- [Gender](#)
- [Projects- Events](#)
- [Publications](#)
- [UN - Rio - UNFCCC](#)

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### INFORSE News:

July 13, 2021 (virtual)  
**INFORSE at UN HLPF2021**  
July 13, 2020  
**INFORSE Side Event**



**INFORSE at UN ENERGY2021 - HLDE**  
**Side Event-Virtual: June 22, 2021**  
[LINK TO SIDE EVENT](#)



December, 2020: Sustainable Energy News Issue No. 84. Download from [Issue # 84 and Contents](#)  
**News: Catalogue in East Africa;**  
**Eco-Village Development in South Asia;**  
**Sufficiency in Europe; CSOs in Ukraine, Belarus**



- 11 December, 2020 - Launch of CATALOGUE:  
**Local Sustainable Solutions in East Africa**  
[www.localsolutions.inforse.org](http://www.localsolutions.inforse.org)



- 27 November, 2020 - E-Cooking in East Africa  
Link: [EASE-CA Project](#):



26 November, 2020  
**INFORSE at UNFCCC CD2020 Virtual**  
**Local Climate & Sustainable Energy Solutions in East**  
**Africa Catalogue, South Asia Eco-Village**  
**Development ToT, 100% Renewables**  
More: [INFORSE Side Event](#)



**HIGH-LEVEL POLITICAL FORUM  
ON SUSTAINABLE DEVELOPMENT 2021**

**13 July 2021**

**7.30 AM - 9 AM (NY Time)**



**INFORSE Side Event: Local Climate Solutions for a Sustainable & Resilient Recovery from COVID-19 Pandemic in East Africa, & South Asia; Women's Role; 100% Renewables as Driver for Climate Mitigation from Denmark to Kenya, Globally.**



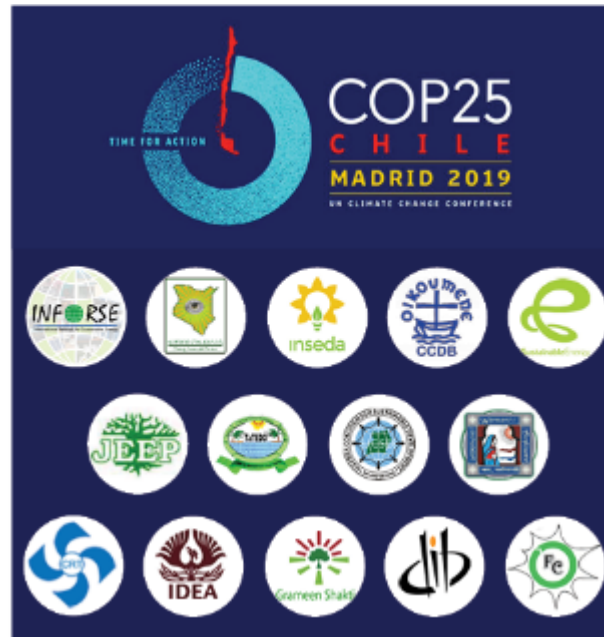
**UNFCCC COP25  
MADRID, SPAIN**

**INFORSE - SUSWATCH - INSEDA  
CCDB - SE  
SIDE EVENT**

**Friday, Dec. 13., 13:15-14:45  
Room: 6**

**INFORSE - AIWC - INSEDA  
EXHIBITION BOOTH #14  
Dec. 9-10, 2019**

**Local Solutions with Poverty  
Reduction in NDCs. Experiences from  
East Africa and South Asia**



**UNFCCC COP24  
KATOWICE, POLAND**



**INFORSE - ENDA - INSEDA  
EXHIBITION  
3-14 December, 2018**

**SIDE EVENT  
7 December - 15:00-16:30  
Room: Warmia**

**Local Benefits of Large-Scale Renewables,  
Development of a Guideline  
Based on Experiences from West Africa  
&  
Eco-Village Development in India**



We are Looking forward to cooperation & action together to Combat Climate Change to meet the SDGs through renewable energy with focus on Local Solutions, Gender Equality, End Poverty - towards phasing out fossil fuels and nuclear



# INFORSE – International Network for Sustainable Energy at UNFCCC COP Conferences work together with INFORSE regions in East Africa, South Asia, Europe and Environmental NGOs Constituency, Women & Gender Constituency,

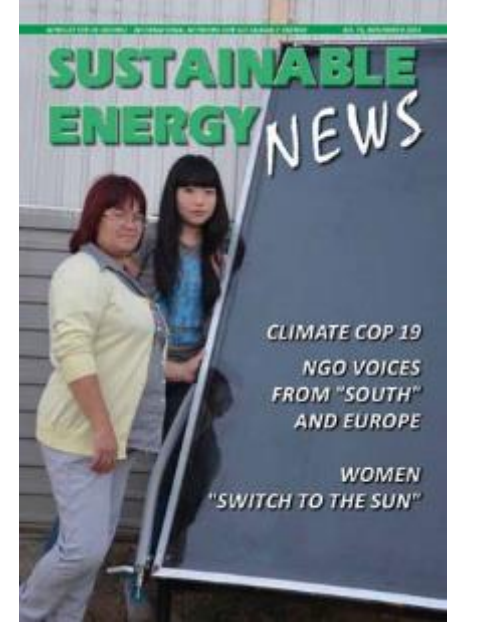
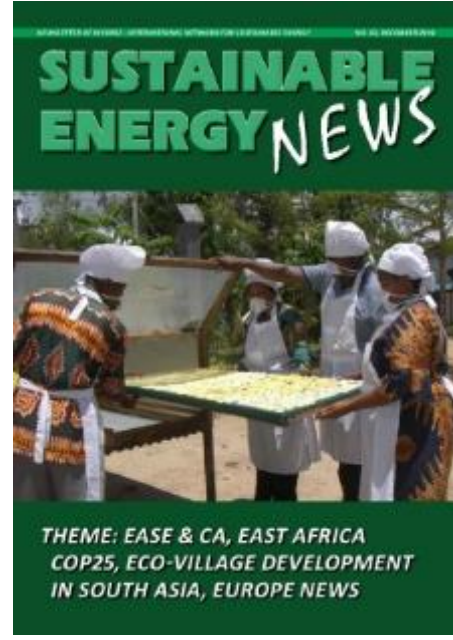
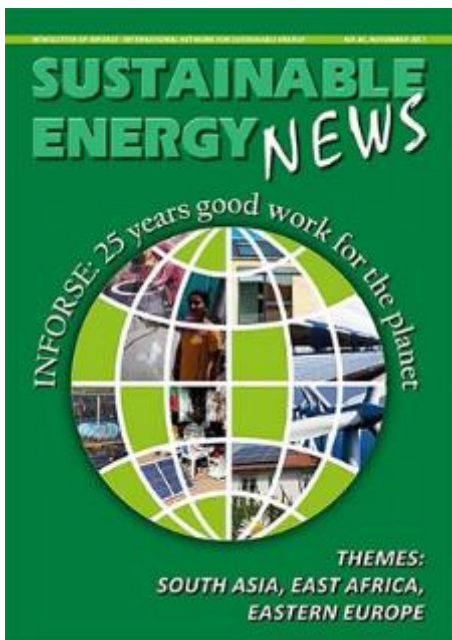
Pictures from meeting:: WGC, GenderCC, INFORSE members: Solar Cookers International, AIWC, WECF, SusWatch Kenya, CRT Nepal, TaTEDO, anti nuclear movement



# INFORSE at UNFCCC COP19, 2013



INFORSE at UNFCCC COPs: <https://www.inforse.org/INFORSE-UN.php3>

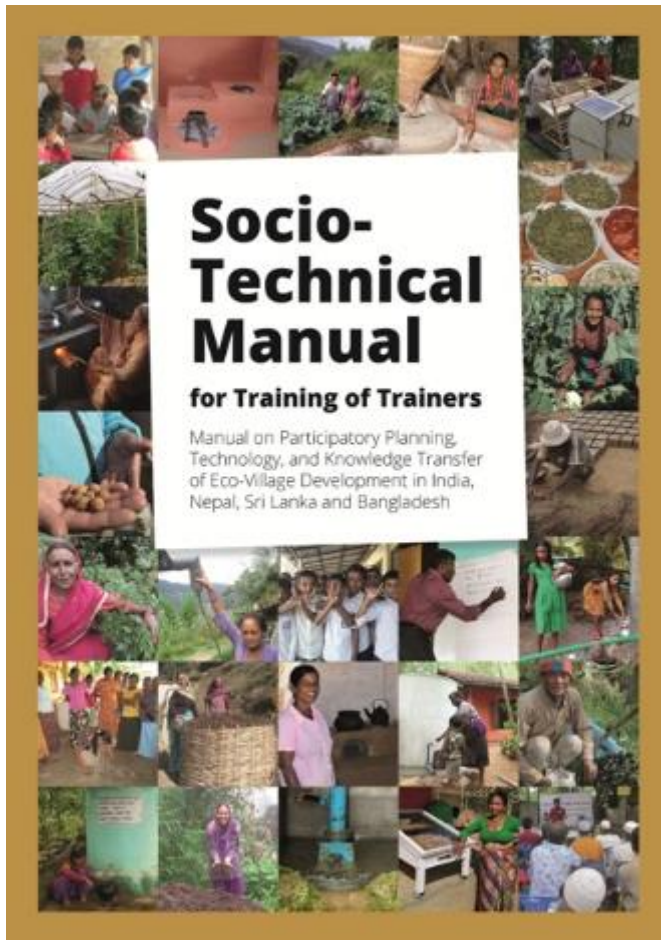


Sustainable Energy News: [https://www.inforse.org/s\\_e\\_news.php3](https://www.inforse.org/s_e_news.php3)

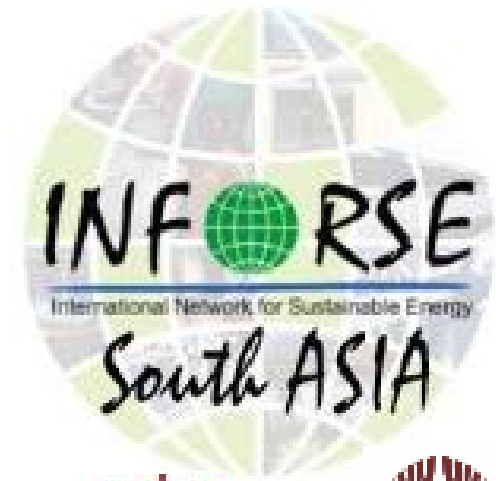


# Eco-Village Development in South Asia

Climate mitigation, adaptation, livelihood, end poverty, participatory planning with focus on women participation, self help groups, income generation.



Manual in  
English  
Hindi  
Bangla  
Nepali  
Sinhala



White Paper on Calculating  
CO2 Reduction

[www.inforse.org/asia/EVD.htm](http://www.inforse.org/asia/EVD.htm)

[www.ecovillagedevelopment.net](http://www.ecovillagedevelopment.net)

# 100% Renewables Scenario/Plan in Kenya, Uganda

## Energy demand, Potential Recommendations for Renewables in Kenya

- Efficient Cooking
- Change transport gradually to electricity, hydrogen and renewable fuels
- Make charcoal production much more efficient, from <15% today to 33%
- Expand windpower to 9,000 MW
- Expand solar power to 17,000 MW
- Expand geothermal power to 5,600 MW
- Expand electric interconnectors to 3,000 MW capacity
- Biomass power plants to balance demand and supply
- Our analysis shows that the 100% renewable alternative is cheaper than nuclear power and also the fossil fuel alternative with coal power.



# Catalogue of Local Sustainable Solutions - East Africa

## 60 ONLINE CASES

**INFORSE**  
East AFRICA

Collected by Partners of East Africa Civil Society for Sustainable Energy and Climate Actions (EASE-CA) Project.

INFORSE-East Africa:  
Tanzania: TaTEDO Uganda: JEEP,  
UCSD Kenya SusWatch

Partners have good track-records on development and promotion of practical climate local solutions that solve energy, water, food insecurity challenges for local communities.



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

# CATALOGUE: East Africa Catalogue for Local Climate & Sustainable Energy Solutions

- Cooking**
  - Improved cookstoves for biomass
  - Improved cookstoves for charcoal
  - Cooler cook stoves
  - Solar cookers, toy beams, microwaves
- Cooking fuels**
  - Charcoal making
  - Bricks for charcoal, woodstove and others
  - Firewood planting
- Light, Electricity**
  - Light solar lamps
  - Solar home systems
  - Renewable energy mini grids and multifunctional platforms
- Water**
  - Rain water harvesting and use
  - Improved wells
  - Water savings
- Growing food, oils**
  - Kitchen gardening
  - Organic agriculture for market
  - Agro-forestry & products from trees
- Transport**
  - Animals for training and transportation
  - Electric mobility
  - Bicycles
- Solar heat & others**
  - Solar drying
  - Solar water heating
  - Heating and cooling of houses
  - Others
- By Country**



## Local Sustainable Solutions – East Africa

Find here local solutions for better energy use, water, tree planting, and others.

- Cooking**
- Cooking fuels**
- Light, Electricity**
- Water**
- Growing food, oils**
- Transport**
- Solar heat & others**
- By Country**

- Catalogue available online, off-line version, and print
- 7 Main Categories, 23 sub categories 3 countries (Kenya, Uganda, Tanzania)



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 n



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

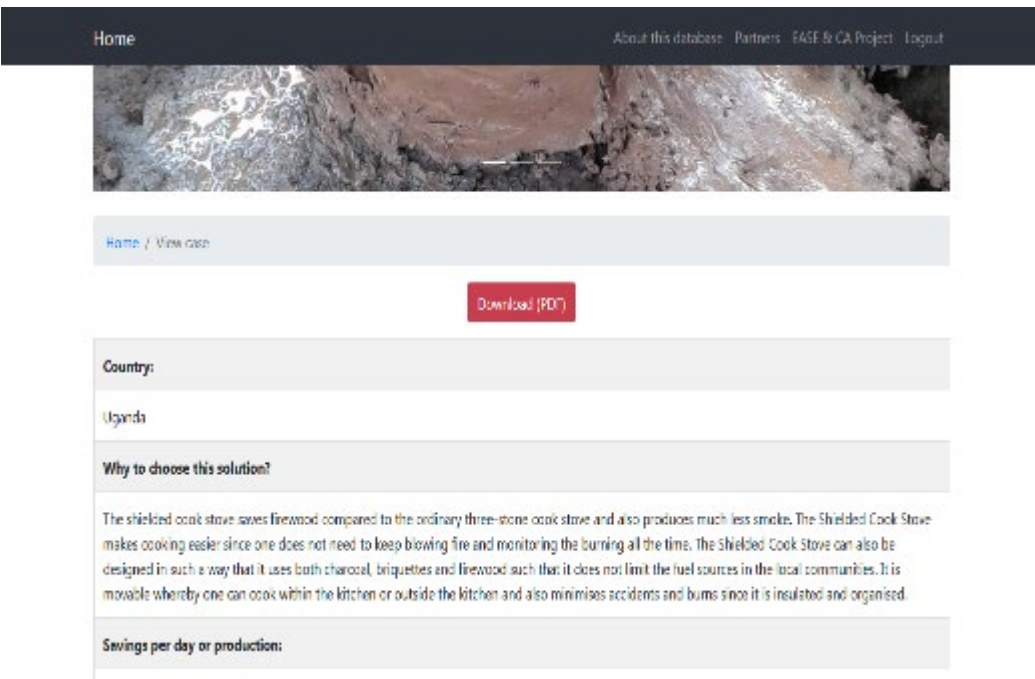
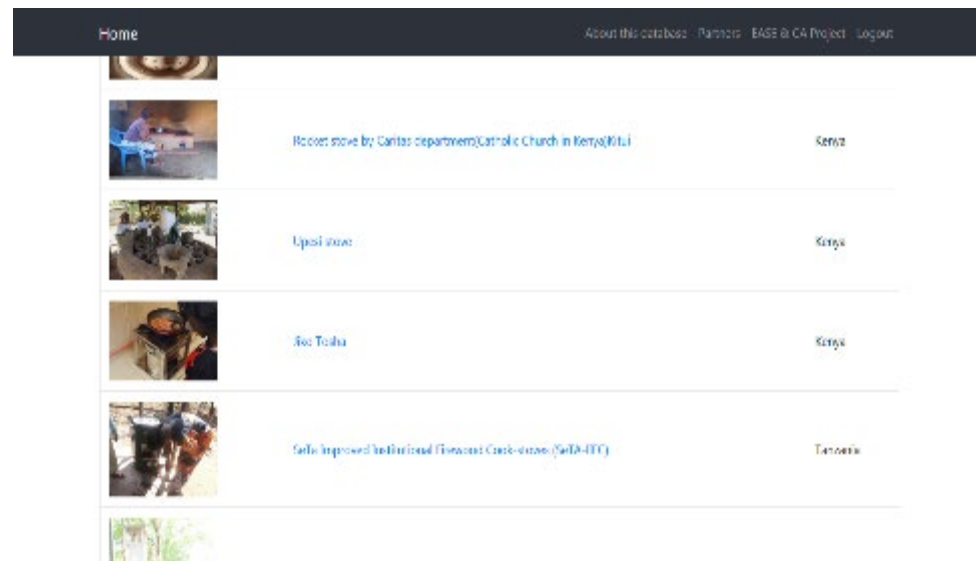
Bicycles



Solar heat & others

Solar drying

Solar water heating



## Catalogue of Local Sustainable Solutions in East Africa [www.localsolutions.inforse.org](http://www.localsolutions.inforse.org)

### Catalogue provides details on

- 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

# Improved Firewood Stoves



Fixed Institutional firewood stove



Movable institutional firewood stove



Improved fish frying firewood stove



Household firewood stove



<http://localsolutions.inforse.org/pages/Improved-cookstoves-for-firewood.php>

# Improved Charcoal Stoves & Briquettes



**Improved Charcoal Stove**



**Improve charcoal baking ovens**



**Waste briquettes**



# Improved Charcoal Production Kilns



**Improved Basic Earthmound Kiln**



**Portable metal kiln**

# Slow Cookers, Electric Pressure Cooker



Hay Baskets – fireless cooker



Solar cooker



Efficient Electric Pressure cookers (EPCs)

# Solar Electricity & Services



**Solar PV roof**



**Solar mini-grid**



**Solar powered water pump**



**Little sun solar lamp**



**Solar Powered Refrigerator**

<http://localsolutions.inforse.org/pages/Renewable-energy-minigrids.php>

<http://localsolutions.inforse.org/pages/Light-solar-lanterns.php>

<http://localsolutions.inforse.org/pages/Solar-home-system.php>

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

# Biogas



**Blue flame biogas digester**



**Fixed dome biogas digester**



**Flex biogas**



**Takamoto Baloon biogas**



# Home Garden & Solar Drier



**Key-hole home garden**



**Sparky drier**



**Kawanda solar drier**



**Kitchen garden**



**Bag garden**



**Semi-industrial solar drier**

## **Conclusion & Recommendation**

- **Local climate and sustainable energy solutions are essential** to help countries respond and recover from Covid-19 pandemic crisis.
- As it has potential to **poverty reduction, reduced inequality, improved health, reduced GHG emissions, job creation, income generation, empower women, achieve SDGs.**
- It is important **to expand investment and support schemes, and supportive legislation.**



**East Africa Sustainable Local Solutions  
CATALOGUE:**

**<http://localsolutions.inforse.org/>**