



INFORSE - EAST AFRICA – WEBINAR
1 SEPTEMBER 2021 - 11:00 - 12:30 HRS EAT

Climate Action in East Africa on the way to the Climate COP26 in Glasgow



Review of the National Contributions to Combat Climate Change, to what extent are Local Level Climate and Sustainable Energy Solutions considered?



East Africa Catalogue of Local Climate & Sustainable Energy Solutions

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About TaTEDO



- TaTEDO is a NGO founded in 1990, a Centre for Sustainable Energy Services in Tanzania committed to facilitating access to sustainable energy services for all with special focus to poor and unrepresented groups.
- The organisation has unique experience in promoting low-carbon solutions such as renewable energy and energy efficiency interventions, mitigation and adaptation projects and programmes.
- TaTEDO is a **regional coordinator of the International Network for Sustainable Energy (INFORSE)** since 2014 and the **national focal point** playing a leading role in regional and national INFORSE activities.



Catalogue of Local Sustainable Solutions - East Africa

60 ONLINE CASES



www.localsolutions.inforse.org

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.

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










CATALOGUE: LOCAL SUSTAINABLE SOLUTIONS IN EAST AFRICA

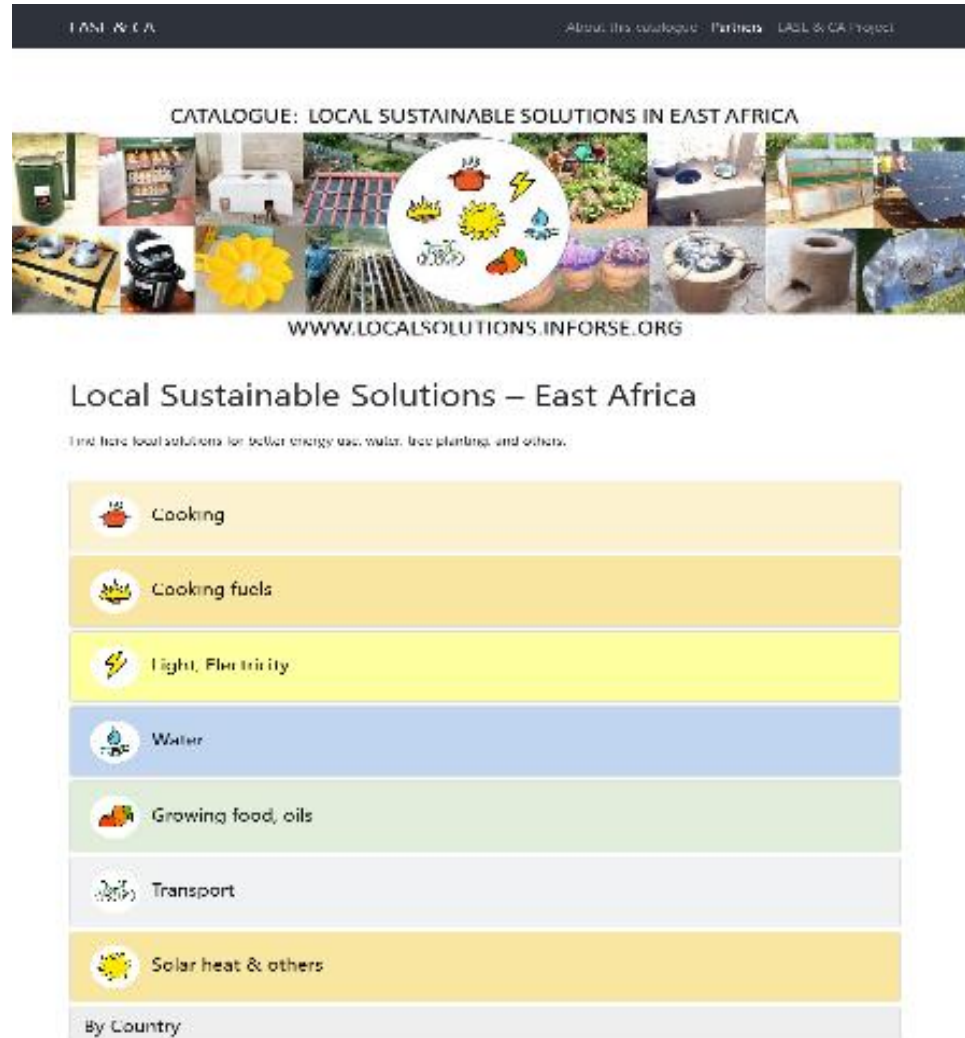


WWW.LOCALSOLUTIONS.INFORSE.ORG

- Local solutions are more accessible
- Solutions are popular in East Africa used by at least more than 1000 people.

 Cooking
Improved cookstoves for biomass
Improved cookstoves for charcoal
Cookstove: Biogas
Stove: biomass, fire bricks, mud bricks
 Cooking fuels
Charcoal making
Brickies of charcoal, sawdust and others
Fuelwood planting
 Light, Electricity
Light solar lamps
Stove: biomass systems
Renewable energy mini grids and multifunctional platforms
 Water
Rain water harvesting and use
Improved wells
Water savings
 Growing food, oils
Kitchen gardening
Crop and vegetables for market
Agro-forestry: 6 products from trees
 Transport
Anticorrosion: housing and transportation
Electric mobility
Bicycles
 Solar heat & others
Stove: drying
Solar water heating
Heating and cooling of houses
Others
By Country

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



- Catalogue available online, off-line version (used on computer or mobile phone without internet access) and in 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 other

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

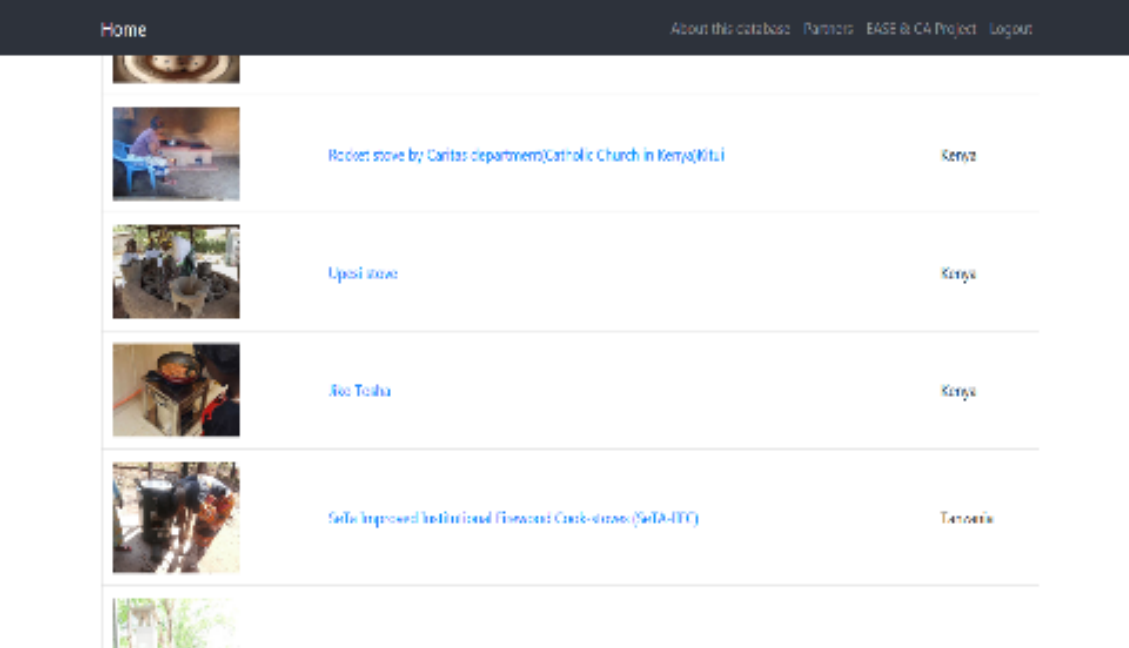
Bicycles



Solar heat & others

Solar drying

Solar water heating

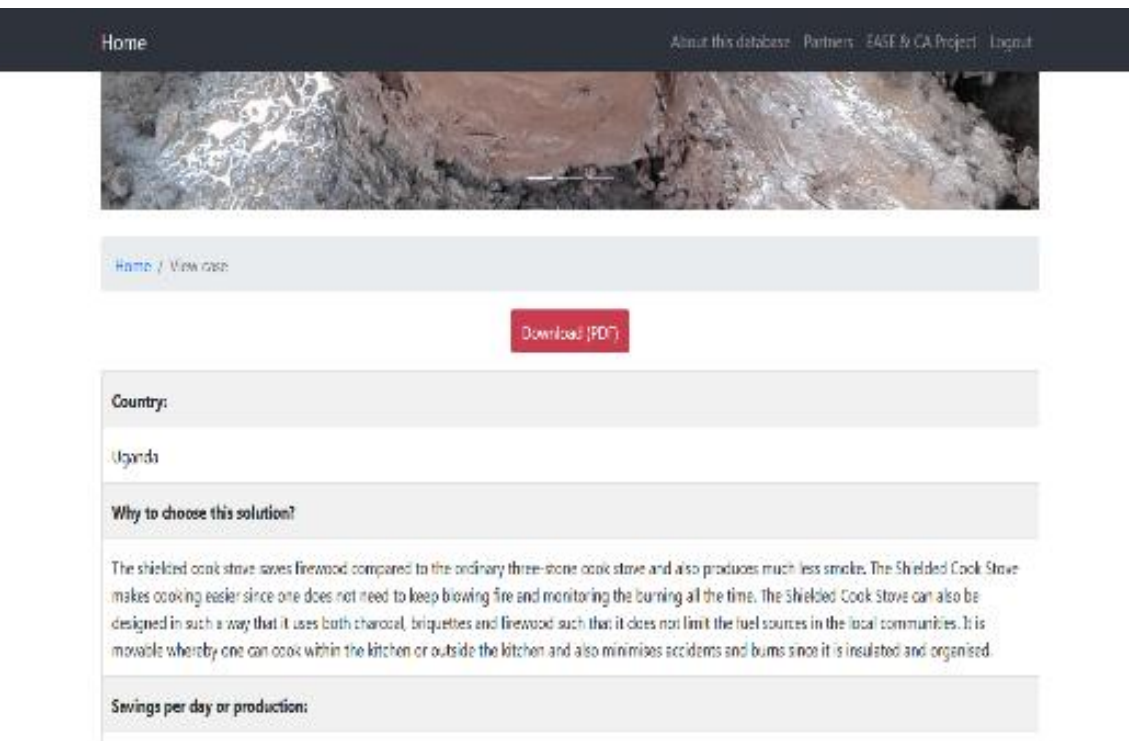


Catalogue of Local Sustainable Solutions in East Africa

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 stoves

Improved Charcoal Stoves & Briquettes



Improved Charcoal Stove



Improve charcoal baking ovens



Waste briquettes

Improved charcoal Production Kilns



Improved Basic Earth mound Kiln



Portable metal kiln

Slow cookers, EPCs



Hay Baskets – fireless cooker



Solar cooker



Efficient Electric Pressure cookers (EPCs)

Solar technology & Services



Solar PV roof



Little sun solar lamp



Solar mini-grid



Solar powered water pump



Solar Refrigerator

Biogas



Blue flame biogas digester



Fixed dome biogas digester



Flex biogas



Takamoto Balloon 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 crisis.
- Local solution has potential for poverty reduction, reduced inequality, improved health, reduced GHG emissions, job creation thus can also fuel economic recovery in the aftermath of the pandemic.
- It is important to expand investment in local climate actions for inclusive and sustained recovery, enhance resilience, reduced emissions and sustainable development.

Thank You

More information:



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East Africa CATALOGUE:

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