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

Mary Swai, Manager-Bioenergy and Climate Change Centre for Sustainable Energy Services (TaTEDO), Tanzania

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

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
Local solutions are more accessible

Solutions are popular in East Africa used by at least more than 1000 people.
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)
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 fish frying firewood stove

Movable institutional firewood stove

Improved Firewood Stoves

Fixed Institutional 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 powered water pump

Solar mini-grid

Solar Refrigerator
Biogas

Blue flame biogas digester

Fixed dome biogas digester

Flex biogas

Takamoto Baloon biogas
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:

TaTEDO, P.O. Box 32794,
Dar es Salaam, Tanzania
Phone: 0738-201498,
Email. energy@tatedo.or.tz

www.tatedo.or.tz
www.inforse.org/africa/EASE.htm

East Africa CATALOGUE:
http://localsolutions.inforse.org/