



Tanzania Domestic Biogas Programme (TDBP)

Presentation at the Clean Energy
Workshop – Arusha

16-18 July 2012

-1- Stakeholders Aug.2008



Objective

“to further develop and disseminate domestic biogas in rural areas with the ultimate goal to establish a *sustainable and commercial biogas sector* in Tanzania”

- To develop a commercially viable, market oriented biogas sector;
- To further strengthen institutions for sustainable development of the biogas sector;
- To increase the number of quality biogas plants by 12,000 in a period of five years;
- To ensure the continued operation of all biogas plants installed under the programme;
- To maximise all benefits of the biogas plants, especially related to gender and bio-slurry aspects.



Expected results

Tanzania Biogas Programme

expected results (provisional)

Biogas plant construction **12,000** [plants]

Energy

Energy production **110,222** [MWh]

Power installed **30,799** [kW]

Environment

GHG emission reduction **60,101** [t CO₂eq]

Deforestation reduction **7,954** [ha of forest]

Soil nutrification **64,909** [t(DM) bio-slurry]

Fuel substitution

Biomass **98,952** [t biomass]

Fossil fuel **817** [t]

Socio-economic

Persons reached **72,000** [persons]

Workload reduction (women & children) **2,003** [pers years]

Exposure to indoor air pollution reduced **60,000** [women & children]

Toilets attached **2,400** [toilets]

Productive slurry use **9,600** [households]

Employment generation (direct) **840** [person years]

Training

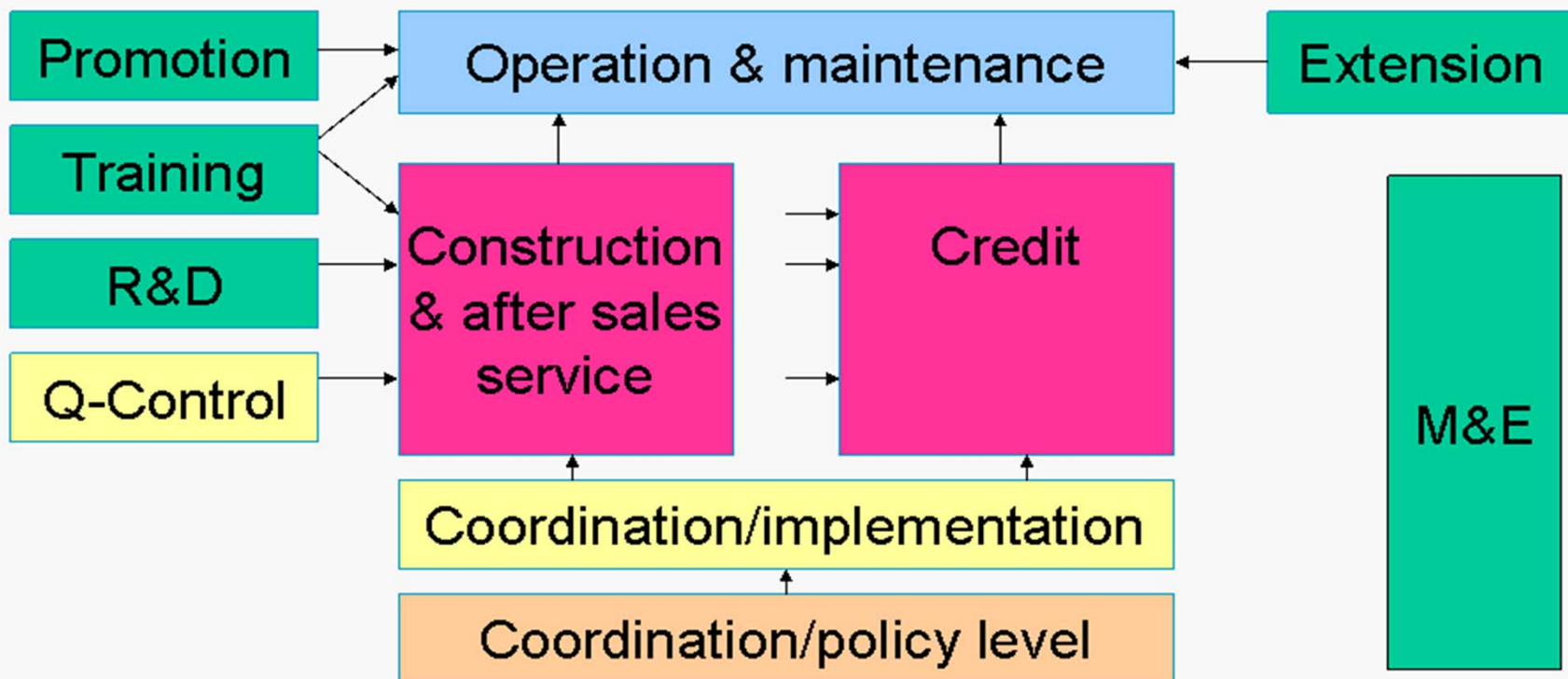
User training **16,800** [person days]

Professional training **5,142** [person days]



Programme functions

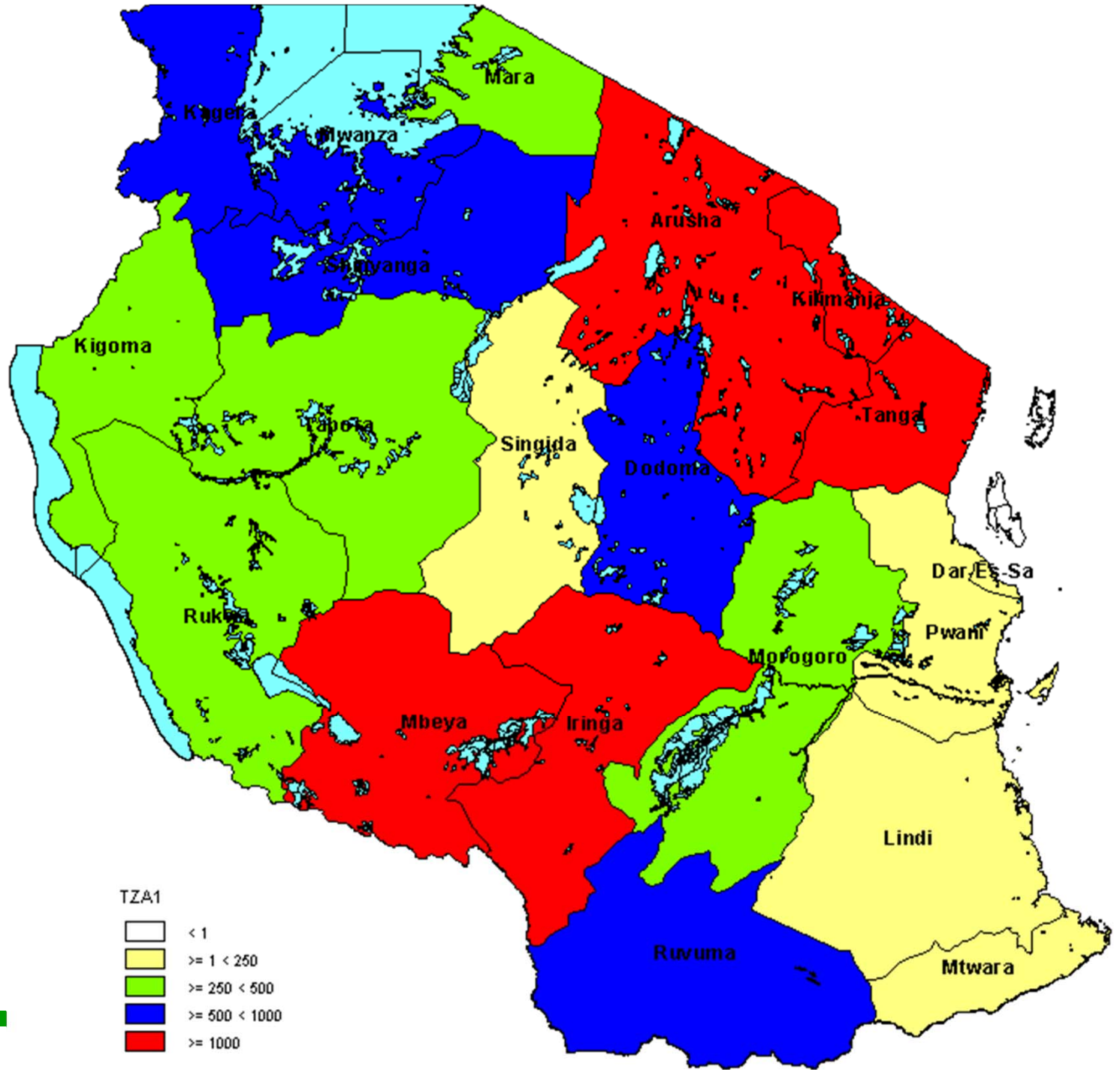
Functions required for national programmes on domestic biogas



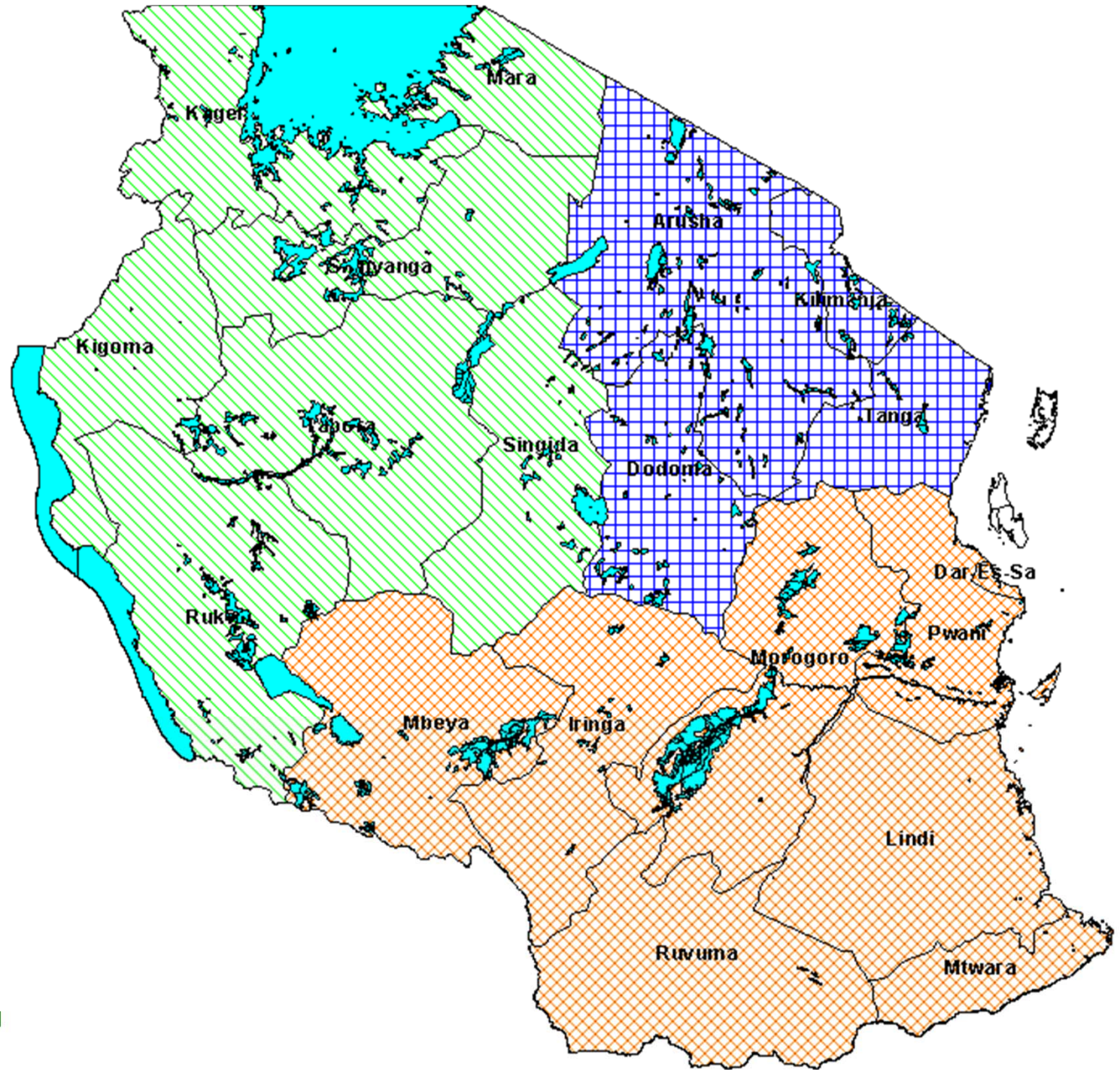
Domestic biogas sector



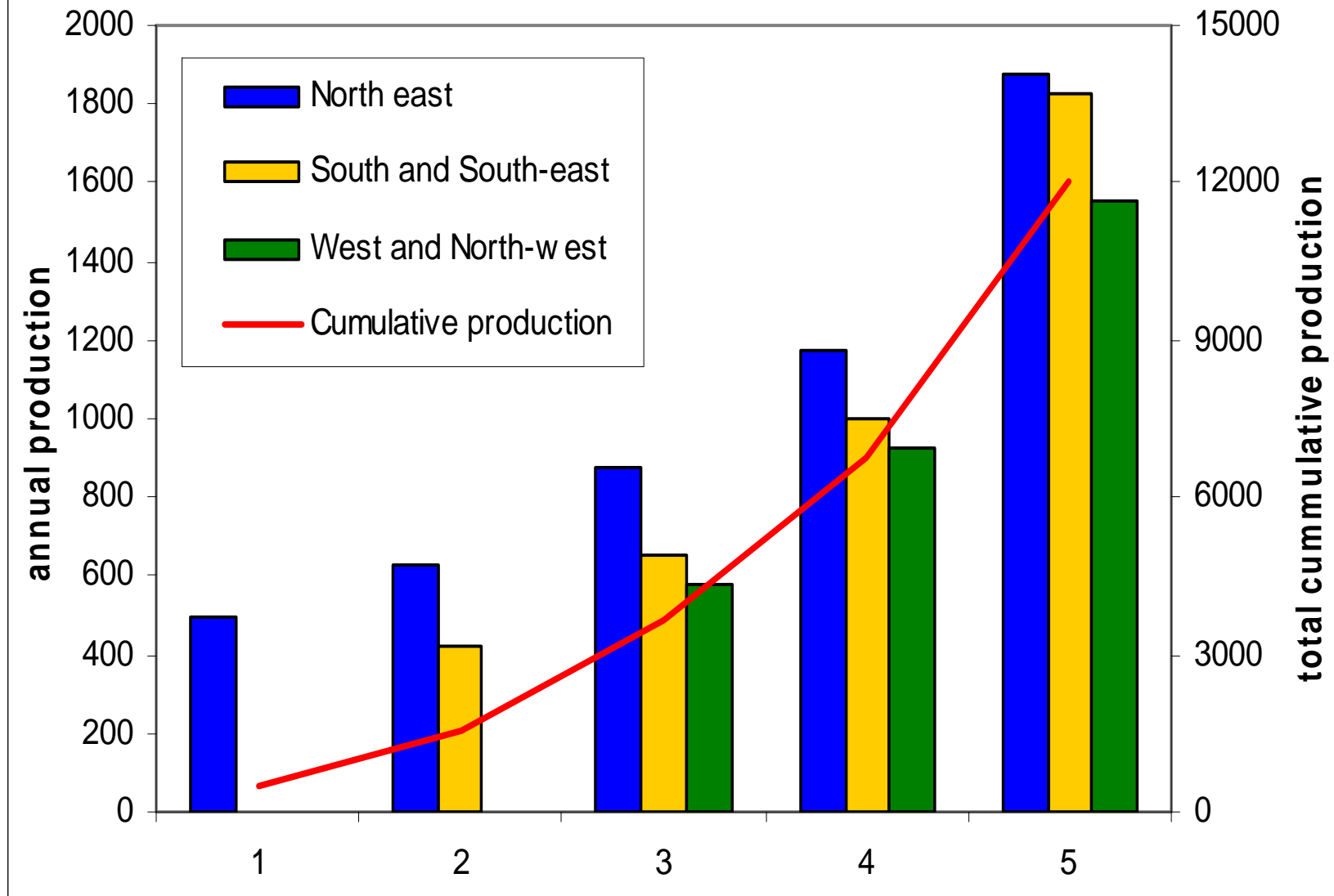
TDBP target



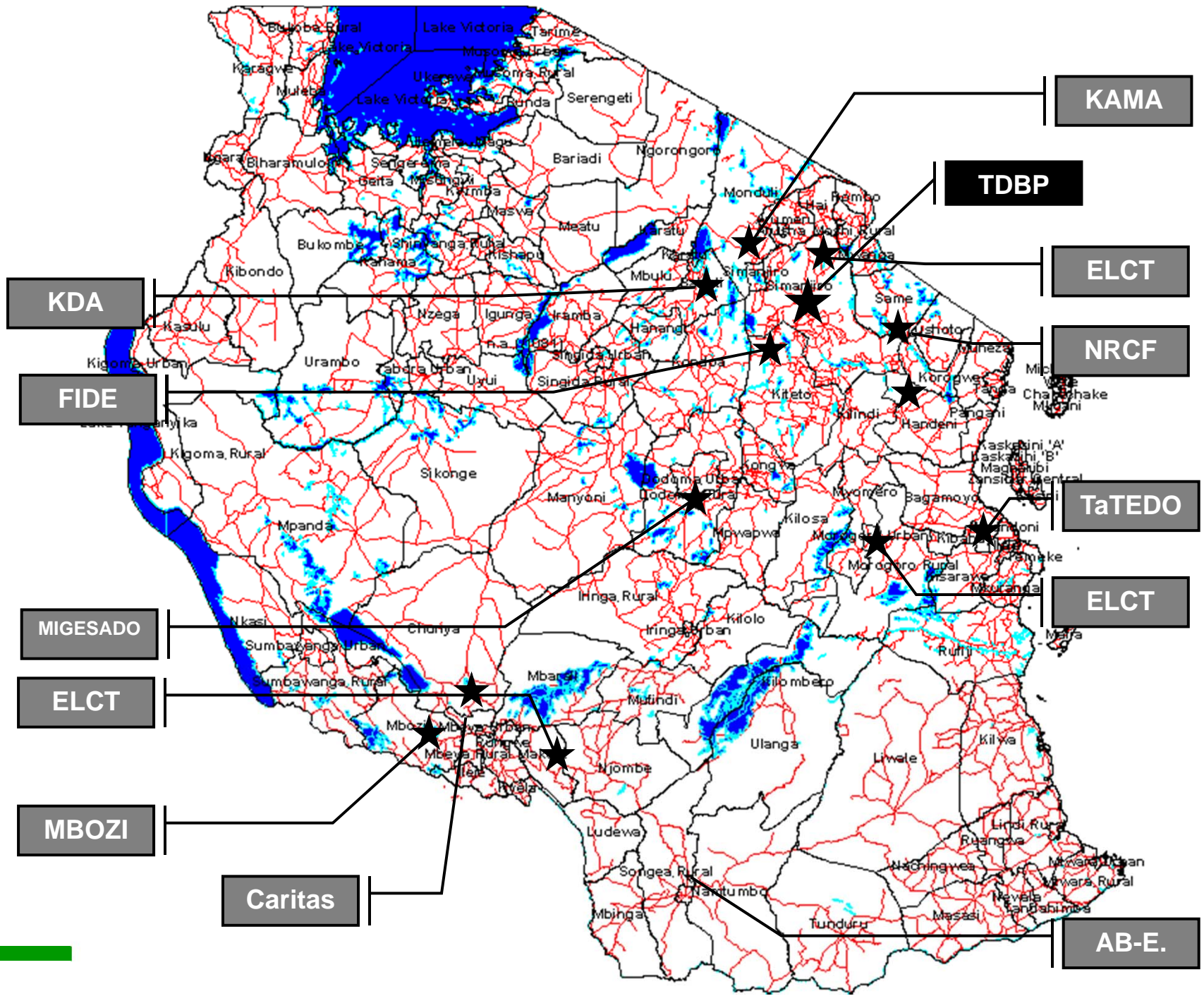
Roll-out



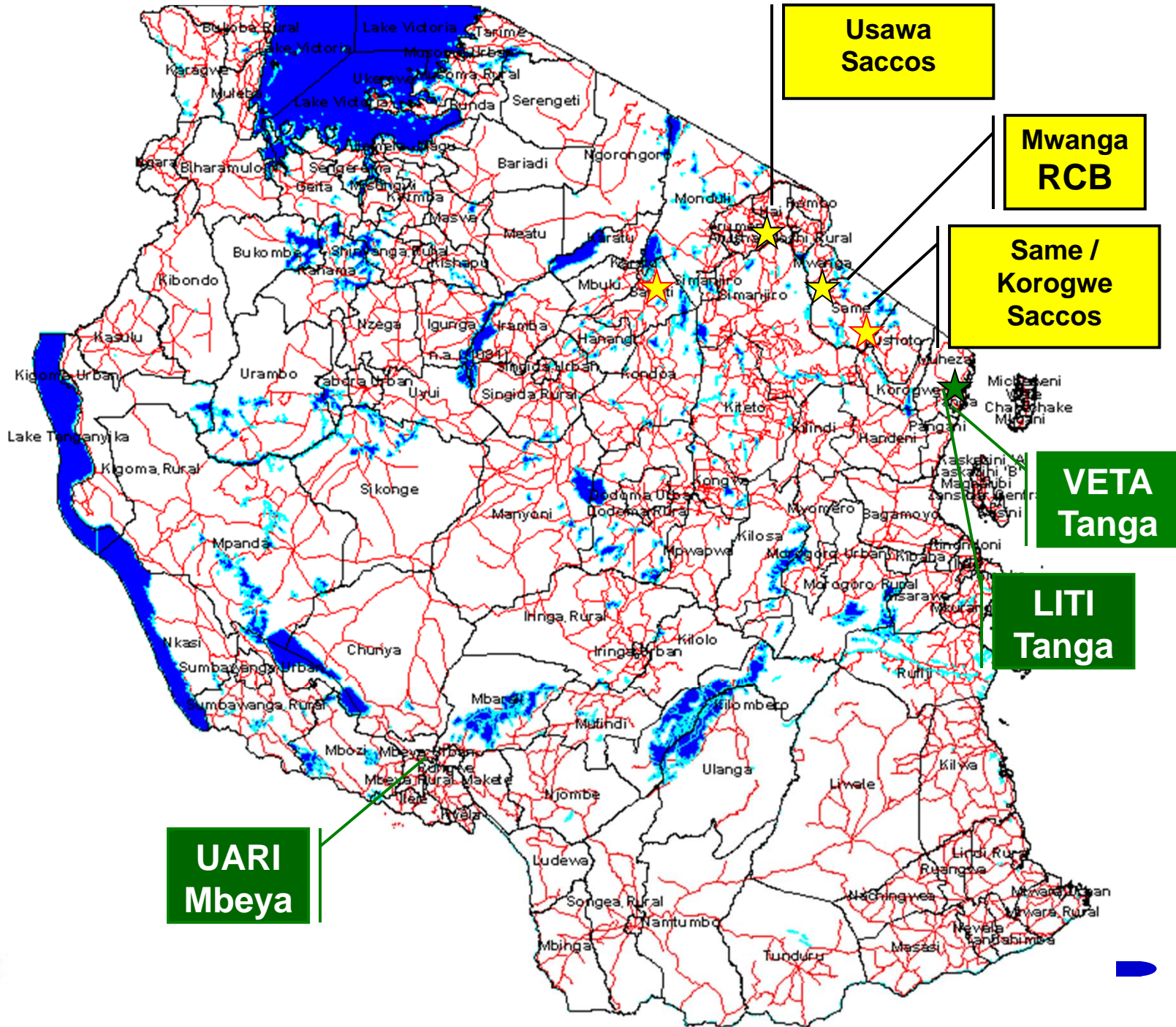
Forecast production



Implementation



Service Providers



What can EAC and partners Do

- Take note of existing Biogas programmes in Kenya, Uganda, Tanzania and Rwanda
- Assist in the realization of Green Entrepreneurship Stakeholders RoundTable taking place in these countries-
- Build the capacity of the programmes to be able to deliver to over 75% people in the rural areas to enjoy clean energy



Thank you for your attention!





Some Solid State Digesters Pictures

Digester



Promotion



Promotion



Construction



Finished product

