UNIDO Core Vision and Mandate: Poverty Reduction through Inclusive and Sustainable Industrial Development.

UNIDO 3 Thematic Priority Areas:
(i) Poverty Reduction through Productive Activities
(ii) Trade Capacity Building
(iii) Energy and Environment: This where SDG No 7, i.e. “Ensure access to affordable, sustainable and reliable modern energy services for all”, including SE4All, fall.
Biomass fuels (i.e. wood and charcoal) account for over 85%.

Petroleum products account for 11% of supply.

Electricity accounts for approximately 3%. *It is mostly from hydropower - therefore vulnerable to weather conditions and climate change.*

Coal, Solar and wind account for approximately 1% of supply.
UNIDO Supported Projects on Energy and Environment in Tanzania

- Promotion of waste-to-energy (WTE) applications in agro-industries of Tanzania (GEF project USD 5.277m)
- Mini-grids based on Small hydropower sources to augment rural electrification (GEF USD 3.35m).
- Promotion of Bioethanol as a Clean Alternate Fuel for Cooking in Tanzania.
• **Project Title**: Promotion of Bioethanol as a Clean Alternate Fuel for Cooking in Tanzania.

• **Project Origin**: Need to scale up promising results from a pilot project conducted in 2014-15, which targeted 150 households in Zanzibar.

• **Project Objective**: To promote the production and use of Bioethanol as a clean and renewable fuel alternative for cooking
• **Originally planned target:**
At least 500,000 households in Dar es Salaam and Zanzibar, using bioethanol as clean fuel alternative in the next five years.

• **Expected Key Results**
- Reduced deforestation
- Improved health, mainly for women and children
- Sustainable livelihoods created.
Key Partners in Bioethanol Fuel Switch Project

- **Government**, *mainly VPO and MEM*
- **Other public sector institutions** *e.g. the Tanzania Sugar Board*
- **Development partners** *including GEF and others being identified for support and cooperation*
- **Private sector investors**: *e.g. Bioethanol producers and distributors, and importers of bioethanol stoves*
- **Banks**: *some banks have shown interest to give loans to private sector entities with bankable proposals*
- **Other Private sector entities** - *the bioethanol users*
Key Challenges in Switching to Using Bioethanol for Cooking

- **Ethanol production**: producers have to put in place appropriate equipment and have skilled personnel.

- **Ethanol distributors and stoves importers**: There needs to be in place appropriate infrastructure and incentives to attract large number of dealers.

- **Development of Investment proposals**: Neither the banks nor the investors have sufficient experience therefore it is a learning process for both.

- **Behaviour change for charcoal dealers and potential bioethanol users**: A lot of effort - awareness raising and provision of incentives - required for both.
Thank you for your attention