

1.1 Mission

 To conduct research, development and technical services on industrial processes and products, while utilizing local materials in partnership with industries

1.2 Core functions

- Carry out and promote the carrying out of applied research designed to facilitate the evaluation, development and use of local materials in industrial processes.
- ii. Research into local and foreign industrial techniques and technologies and evaluate their suitability for adoption and use in industrial production.
- iii. Promote and provide facilities for training personnel for carrying out applied scientific and industrial research.
- iv. Operate documentation system to disseminate information on applied research.
- v. Provide technical services for industrial development
- vi. Provide technical capacity to mitigate industrial pollution.



2. ACTIVITIES AND PROGRESS MADE FOR THE LAST YEAR 2.1 Research and Development Green cassava processing i. ii. Coal briquetting Development and transfer of mushroom substrate iii. blocks 2.2 Consultancies in industrialization Complete shoe factory from tannery to leather goods i. -Cotton medical products (northern TZ – Simiyu region) ii. Others iii. 2.3 Technical audits to industries; (18) audits

2.4 Environmental audits and environmental and social impact assessments (ESIA)

ESIA is done for new projects

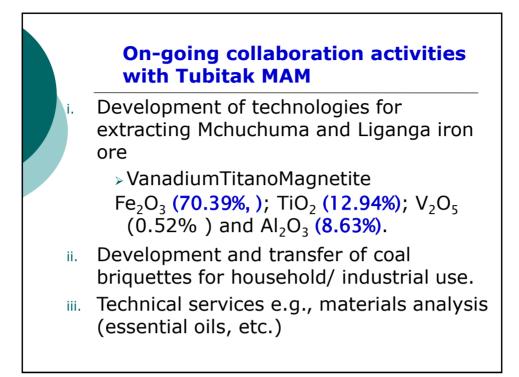
i.

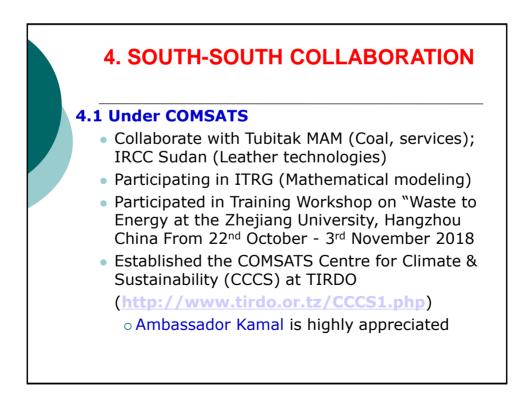
ii. Auditing is done to operating projects

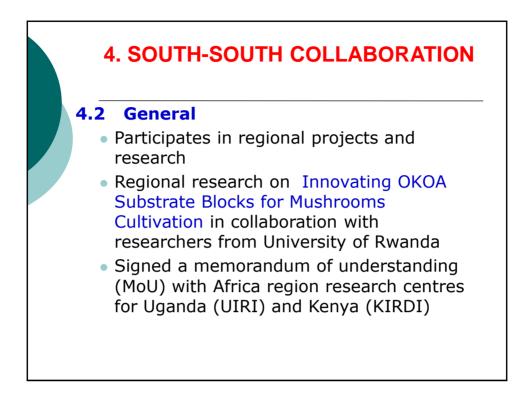
2.5 Energy auditing to industries

- i. 10 water utilities were audited for energy efficiency
- Energy study to refugee camps (Nyarugusu, North-western Tanzania) was done for prospecting fuel switching to renewable energy.











| | _ | /SUSTAIN GOALS | NABLE DEVELOPMENT |
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| | GOAL | | INTERVENTION BY TIRDO |
| | 1 | No poverty | Food and Microbiology Division * Post harvest reduction through development of agro |
| | 2 | Zero hunger | processing technologies |
| | 6 | Clean water | Accredited laboratory with Food and Microbiology Division * Potable water analysis |
| | 7 | Affordable and clean energy | Energy Technologies Division (Energy Management Centre) * Energy Management services to industries, commercial centres, and households) * Energy materials analytical services |
| | 9 | Industry, innovation and infrastructure | * Research and development activities * Skills development to industrialists * Services to industries |
| | 13 | Climate action | Environmenta and Occupational Health Division * Environmental and social impact assessment (ESIA) * Environmental auditing to industries * Advisory services to Government and community * Capacity building (training) |

6. **FUTURE PROSPECTS FOR COLLABORATION UNDER COMSATS' NETWORK** 1. Joint research and development projects o Research Consultancies 2. Capacity building activities • Training through COMSATS and by utilizing member countries' capacity building programs Expert exchange and staff attachment 3. For bridging capacity gap at TIRDO 4. Technology transfer Agro processing Industrial technologies Coal and mining, etc.

| | THANK YOU, ASANTE | | | |
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