

UNCTAD TECHNOLOGY ASSESSMENT PROJECT
ON ENERGY AND AGRICULTURE

**ZAMBIA NATIONAL
STAKEHOLDER CONSULTATIVE WORKSHOP**

5-6 April 2022

Venue: Twangale, Plot PP Mukwa Drive, Eureka Park, Lilayi

About Technology Assessment. Technology assessment (TA) is a problem-oriented process that examines the societal effects when a technology is introduced, extended, or modified. TA is an interactive, communicative and scientific process that aims to contribute to the formation of public and political opinion on the social aspects of science and technology, risks and opportunities, providing effective, pragmatic, and sustainable options for policy action. New models of technology assessment, incorporating citizen and decision-maker participation with technical expertise, can make vital contributions to informing policymakers working with innovation policies and strategies and energy and agricultural policies. Technology assessments feed into policymaking in the line ministries for STI, agricultural and energy policies, related national parliamentary debates, and donor discussions. In domains like energy and agriculture, the innovative use of TA can assist in identifying priorities and helping improve the cost-effectiveness, long-term impact, and environmental sustainability of technology policies and investments.

About this Project. This UNCTAD project will support STI policymakers and other stakeholders in Zambia to design and implement a technology assessment exercise in the energy and agricultural sectors and to take action to utilize technologies as catalysts for sustainable development. Enhanced capacity would be demonstrated by having identified and characterized the relevant technological trends and associated socio-economic and environmental implications in the area of energy and/or agriculture and having an action plan for these technological sectors in each target country defined and adopted by various stakeholders.

About TA in Zambia. To develop the capacity for undertaking Technology Assessment in Zambia, the government of Zambia participates in the pilot phase of the United Nations Conference on Trade and Development's (UNCTAD) project on Technology Assessment in the Agriculture and Energy sectors in Sub-Saharan Africa. South Africa and Seychelles are also participating in this project.

Tue, 5 April 2022, Venue: **Twangale**, Plot PP Mukwa Drive, Eureka Park, Lilayi

DAY 1 (AGRICULTURE) – TECHNOLOGY ASSESSMENT IN ZAMBIA

Time zone of Lusaka, Zambia - Central Africa Time - UTC+2

Moderator: Mrs. Precious L. Munaile, Assistant Director – DVET, MoTS

08:30 **A shuttle bus will collect participants from the Ministry of Technology and Science (Maxwell House, Los Angeles Boulevard, Long acres, Lusaka)**

10:30 – 11:00 *Registration and Coffee*

SESSION I: TECHNOLOGY ASSESSMENT IN ZAMBIA

11:00 – 11:20 **OPENING AND WELCOME ADDRESS**

- Mr. Chongo John Lukonde, Assistant Director Science and Technology, Ministry of Technology and Science (MoTS)
- Mr. Angel Gonzalez-Sanz, Head, Science, Technology and ICT Branch, UNCTAD
- Mrs. Jane M. Chinkusu, Director Science and Technology, MoTS
- Dr. Brilliant Habeenzu, Permanent Secretary, Ministry of Technology and Science

11:20 – 11:40 **Overview of the TA Landscape in Africa**

- Professor John Mugabe, Postgraduate School, University of Pretoria, South Africa

11:40 – 12:30 **UNCTAD TA Methodological Framework: Where to Start and How to Go About It**

- Dr. Miltos Ladikas, Institute for Technology Assessment and Systems Analysis, Germany
- Dr. Andreas Stamm: German Development Institute, Germany

12:30 – 13:30 *Lunch Break*

SESSION II: TECHNOLOGY ASSESSMENT IN AGRICULTURE

13:30 – 14:10 **Linkages between TA and STI policy in the Agricultural/Fisheries Sector in Zambia**

- Mr. Chongo John Lukonde, Assistant Director Science and Technology, MoTS
- Ms. Natasha Mhango, Chief Livestock Officer, Department of Livestock - MoLF
- Dr. Kabwe Puta, Provincial Fisheries and Livestock Coordinator – Ministry of Livestock and Fisheries

14:10 – 14:40 **Research, Technology and Innovation Needs of the Agricultural Sector in Zambia**

- Prof. Kavwanga E.S. Yamba Yamba - Zambia Academy of Sciences
- Dr. Patrick Chikoti – Chief Agriculture Research Officer – Zambia Agricultural Research Institute (ZARI)
- Dr. George Dautu - Principal Researcher, Central Veterinary Research Institute (CVRI)

14:40 – 15:00 *Coffee break*

15:00 – 16:00 **Q&A and stakeholder discussion (TA in Agriculture)**

16:00 – 16:30 **WRAP UP: SUMMARY OF DAY 1**

- Mr. Chongo John Lukonde, Assistant Director Science and Technology, MoTS

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DAY 2 (ENERGY) – TECHNOLOGY ASSESSMENT IN ZAMBIA

Time zone of Lusaka, Zambia - Central Africa Time - UTC+2

Moderator: Mrs. Precious L. Munaile, Assistant Director – DVET, MoTS

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10:30 – 11:00 Registration and Coffee

SESSION III: TECHNOLOGY ASSESSMENT IN ENERGY

11:00 – 11:10 **CHECKING IN: RECAP OF DAY 1**

- Mr. Chongo John Lukonde, Assistant Director Science and Technology, MoTS

11:10 – 11:50 **Linkages between TA and STI policy in the Energy Sector in Zambia**

- Mr. Chongo John Lukonde, Assistant Director Science and Technology, MoTS
- Mr. Arnold Simwawa, Director Department of Energy - Ministry of Energy

11:50 – 12:30 **Research, Technology and Innovation needs for the Energy Sector in Zambia**

- Dr. Henry Kambafwile, Director National Institute for Scientific and Industrial Research (NISIR)
- Dr. Onesmus Munyati, Senior Lecturer, School of Natural Sciences, University of Zambia

12:30 – 13:30 Lunch Break

13:30 – 14:40 **Q&A and stakeholder discussion (TA in Energy)**

14:40 – 15:00 Coffee break

SESSION IV: TECHNOLOGY ASSESSMENT IN ZAMBIA: WAYS FORWARD

15:00 – 16:00 **Selection of a TA sector and Identification of key role players to participate in the TA exercise (in either Agriculture or Energy)**

16:00 – 16:30 **NEXT STEPS AND CLOSING REMARKS**

- Ms. Liping Zhang, Chief, Science, Technology and Innovation Policy Section, Division on Technology and Logistics, UNCTAD