



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



UNCTAD TECHNOLOGY ASSESSMENT PROJECT
ON ENERGY AND AGRICULTURE

Virtual Stakeholder Workshop on Technology Assessment of Green Hydrogen Electrolysis

Agenda

Friday, 23 February 2024, 09:00-13:30 (UTC+2)
Online

Introduction

The Department of Science and Innovation (DSI) and the United Nations Conference on Trade and Development (UNCTAD) are conducting a participatory technology assessment (TA) of green hydrogen electrolyser in South Africa. The overall aim of the TA is to gather stakeholders' perceptions of social, economic and environmental benefits and risks of green hydrogen electrolyser production, commercialization and deployment in local and external energy markets. The TA will inform the country's science, technology and innovation (STI), energy and other policy domains.

The DSI and UNCTAD are organising a virtual focused group discussion (FGD) workshop to gather stakeholders' perceptions and views about green hydrogen electrolyser technology. The FGD sessions will help to build a comprehensive understanding of the current knowledge of electrolysis production for green hydrogen in South Africa, and exploring both its opportunities and challenges from the perspectives of relevant stakeholders from the government, regulators, academia, civil society and the private sector through focused group discussions (FGDs).¹

The workshop is scheduled to take place online on Friday, 23 February 2024, from 09:00 to 13:30 (UTC+2). The meeting link will be circulated to workshop participants in advance.

Agenda

08:30 - 09:00	Registration
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¹ Find more information at: <https://unctad.org/meeting/virtual-stakeholder-workshop-technology-assessment-green-hydrogen-electrolysis-south-africa>.

For any queries, please contact: selby.modiba@dst.gov.za and matteo.ramina@unctad.org;sticourses@un.org

Opening and Introduction	09:00 - 09:05	Opening address by the host country Dr. Dumisani Mthembu, Acting Director: Multilateral Cooperation Department of Science and Innovation
	09:05 - 09:10	Opening address by UNCTAD Ms. Liping Zhang, Chief of Science and Technology for Development Section, UNCTAD
	09:10 - 09:15	Description of workshop activities Mr. John Ouma Mugabe, Professor of Science and Innovation Policy, Department of Engineering & Technology Management, Graduate School of Technology Management, University of Pretoria
FGD Round I	09:15 - 09:20	Creation of groups
	09:20 - 10:15	Group discussion Focus Group 1 discussing Topic A: <i>Knowledge of and trends in green hydrogen electrolyser technology in South Africa</i> Focus Group 2 discussing Topic B: <i>Risks of and Challenges to green hydrogen electrolyser technology development, commercialization and use</i> Focus Group 3 discussing Topic C: <i>Opportunities and Benefits of green hydrogen electrolyser technology for South Africa</i> Focus Group 4 discussing Topic D: <i>Future considerations and support</i>
FGD Round II	10:15 - 10:20	Rotation of groups
	10:20 - 11:15	Group discussion Focus Group 2 discussing Topic A: <i>Knowledge of and trends in green hydrogen electrolyser technology in South Africa</i> Focus Group 3 discussing Topic B: <i>Risks of and Challenges to green hydrogen electrolyser technology development, commercialization and use</i> Focus Group 4 discussing Topic C: <i>Opportunities and Benefits of green hydrogen electrolyser technology for South Africa</i> Focus Group 1 discussing Topic D: <i>Future considerations and support</i>
	11:15 - 11:25	Coffee break
FGD Round III	11:25 - 11:30	Rotation of groups
	11:30 - 12:25	Group discussion Focus Group 3 discussing Topic A: <i>Knowledge of and trends in green hydrogen electrolyser technology in South Africa</i> Focus Group 4 discussing Topic B: <i>Risks of and Challenges to green hydrogen electrolyser technology development, commercialization and use</i> Focus Group 1 discussing Topic C: <i>Opportunities and Benefits of green hydrogen electrolyser technology for South Africa</i> Focus Group 2 discussing Topic D: <i>Future considerations and support</i>
FGD Round IV	12:25 - 12:30	Rotation of groups
	12:30 - 13:25	Group discussion Focus Group 4 discussing Topic A: <i>Knowledge of and trends in green hydrogen electrolyser technology in South Africa</i> Focus Group 1 discussing Topic B: <i>Risks of and Challenges to green hydrogen electrolyser technology development, commercialization and use</i> Focus Group 2 discussing Topic C: <i>Opportunities and Benefits of green hydrogen electrolyser technology for South Africa</i> Focus Group 3 discussing Topic D: <i>Future considerations and support</i>
Closing	13:25 - 13:30	Closing remarks Mr. Selby Modiba, Deputy Director: Multilateral Cooperation Department of Science and Technology