



Research, Development, and Innovation on Peaceful Uses of Nuclear Technologies in South Africa

LAUNCH PROGRAMME

5 December 2023 | 09:00 – 13:00 | CSIR International Convention Centre, Pretoria

The Academy of Science of South Africa (ASSAf) was assigned to evaluate the state of research, development and innovation (RDI) with regard to peaceful uses of nuclear technologies in South Africa. The study was initiated by the Department of Science and Innovation (DSI) and administered by the South African National Energy Development Institute (SANEDI). The aim of the report was to support the high-level agreement between South Africa, via the DMRE, and the IAEA by providing a solid foundation upon which a national strategic framework on peaceful uses of nuclear technologies in South Africa can be built. An important objective was to develop baseline information around the nuclear technology landscape and thus assist with targets and indicators for monitoring and evaluation in future and proposals on how to define a South African nuclear technology RDI flagship programme were considered.

Programme Director: Prof Himla Soodyall

9:00 – 9:05 Welcome and Introduction

Prof Himla Soodyall, Executive Officer, Academy of Science of South Africa (ASSAf)

9:05 – 9:40 Presentation on the A Review of Research, Development and Innovation of Peaceful Uses of Nuclear Technologies in South Africa

Prof Mike Sathekge, Chair of the ASSAf Panel

9:40 – 9:45 Handover of the Report to the Department of Science and Innovation (DSI)

Prof Mike Sathekge, Chair of the ASSAf Panel and Study Panel Members

9:45 – 9:55 Keynote Remarks by the Department of Science and Innovation

Dr Rakeshnie Ramouthar-Prieschl, Acting Deputy Director General (Technology Innovation), Department of Science and Innovation (DSI)

9:55 – 10:00 Vote of Thanks and Closure

Prof Himla Soodyall, Executive Officer, Academy of Science of South Africa (ASSAf)

10:00 – 10:30 Media Session



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



sanedi
South African National Energy
Development Institute





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WORKSHOP PROGRAMME

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Session 1: Human Capacity & Skills Development Chair: Dr Van Zyl de Villiers

11:00 – 11:05	Opening Outline & Introducing Panelists	Dr de Villiers Consultant on nuclear safeguards and peaceful applications of nuclear energy
11:05 – 11:10	Respondent: Industry	Ms Lerato Makgae South African National Liaison Officer (IAEA)
11:10 – 11:15	Respondent: Research Corporation	Dr Pradish Rampersadh Group Executive: Research and Innovation (NECSA)
11:15 – 11:20	Respondent: Nuclear Medicine	Prof Kgomoitso Mokoala President (South African Society of Nuclear Medicine)
11:20 – 11:25	Respondent: Research Infrastructure	Dr Victor Tshivhase Managing Director (iThemba Labs)
11:25 – 11:30	Respondent: Nuclear Engineering	Prof Dawid Serfontein School of Industrial Engineering (Renewable Energy Research Group – NWU)
11:30 – 12:00	Q&A moderated by Dr de Villiers	All

Session 2: Policy and Governance Chair: Prof Sampson Mamphweli (SANEDI)

12:00 – 12:05	Opening Outline & Introducing Panelists	Prof Sampson Mamphweli Head: Energy Secretariat, SANEDI
12:05 – 12:10	Respondent: Water and Sanitation	Mr Zacharia Maswuma Director: National Hydrological Services
12:10 – 12:15	Respondent: Energy	Mr Katse Maphoto Chief Director: Nuclear Safety and Technology (Department of Mineral Resource and Energy)
12:15 – 12:20	Respondent: Nuclear Regulations	Dr Sifiso Nhleko Director: Centre for Nuclear Safety & Security (National Nuclear Regulator)
12:20 – 12:25	Respondent: Nuclear Waste & Environmental Management	Dr Margaret Mkhosi Chief Executive Officer (National Radioactive Waste Disposal Institute)
12:25 – 12:30	Respondent: Human Health and Nutrition	Mr Bakhane Sethlare & Ms Bilqees Sayed Director: Health Technology Policy & Acting Director: Chronic Diseases, Disabilities and Geriatrics
12:30 – 12:55	Q&A moderated by Prof Mamphweli	All
12:55 – 13:00	Vote of Thanks and Closure	Dr Melusi Thwala Manager: Science Advisory & Strategic Partnerships (ASSAf)
13:00 – 14:00	Lunch	