



Science and disaster management for social justice

an NSTF Discussion Forum in collaboration with the
NSTF [Science Councils and Statutory Bodies sector](#)

5-6 December 2022

Day 1: 5 December

Start	End	Topic	Speaker/Organisation
9:00	9:10	Welcome to participants, introductions; and intended outcomes	Ms Jansie Niehaus , Executive Director: NSTF
9:10	9:40	Keynote: Prevention of epidemic and pandemic disasters – A transdisciplinary health perspective	Prof Petra Bester , Director: The African Unit for Transdisciplinary Health Research (AUFHeR), North-West University (NWU)
9:40	10:10	Building Communities' Trust for Public Health Disaster Resilience	Prof Lekan-Ayo Yusuf , Chairperson: School of Health Systems and Public Health, University of Pretoria (UP)
10:10	10:30	Tea/coffee break	
10:30	11:00	The Role of Science, Technology and Research for the Management of Large-Scale Disasters in South Africa	Mr Dechlan Pillay , Director: Information Technology, Intelligence and Information Management Services, National Disaster Management Centre (NDMC)
11:00	11:30	Our creeping disaster – under-maintained infrastructure	Prof Kevin Wall , Extraordinary Professor: Department of Construction Economics, University of Pretoria (UP); and 2018 NSTF Lifetime Award Winner
11:30	11:55	Q&A and discussion	All

11:55	12:00	Wrap up and closure	Ms Niehaus
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Day 2: 6 December

Start	End	Topic	Speaker/Organisation
9:00	9:10	Welcome to participants, introductions; and intended outcomes	Ms Jansie Niehaus , Executive Director: NSTF
9:10	9:40	Water-related disasters: Projected extremes at climate change scale and the need to build a resilient water future	Dr Brilliant Petja , Research Manager: Climate Change, Water Research Commission (WRC)
9:40	10:10	Earth observation in Disaster Management: Risk reduction and mitigation	Mr Morwapula Mashalane , Remote Sensing Scientist, South African National Space Agency (SANSA)
10:10	10:30	Tea/coffee break	
10:30	11:00	Management of forests, grasslands and crops to fight fire, what are the measures to take?	Prof Kevin Kirkman , Dean of Research for the College of Agriculture, Engineering and Science, University of KwaZulu-Natal (UKZN)
11:00	11:30	Preventing and preparation of nuclear disasters	Mr Charles Kros , Radiation Protection Specialist, South African Nuclear Energy Corporation (NECSA)
11:30	11:55	Q&A and discussion	All
11:55	12:00	Wrap up and closure	Ms Niehaus

National Science and Technology Forum (NSTF)

- Independent non-profit stakeholder body and network
- Unified voice for the science, engineering, technology (SET) and innovation community
- Includes private and public sectors
- Promoting SET and innovation in South Africa since 1995