

“Climate and Water across Generations to Accelerate Change”

22 March 2023 • 10:00 - 12:00



Programme

- FACILITATOR:** Dr Althea Grundling
- 10:00 – 10:10 **Dr Mokhele Moeletsi:** Welcome Address
- 10:10 – 10:30 **Dr Stephan Glatzel:**
Austrian Wetlands in a drier climate
- 10:30 – 10:50 **Dr Maxim Napreenko:**
Greenhouse Gas emission studies as part of the Carbon Polygon Programme in the Russian Federation
- 10:50 – 11:10 **Dr Alanna Rebelo:**
The hydrological impacts of restoration: A modelling study of alien tree clearing in four mountain catchments in South Africa
- 11:10 – 11:30 **Dr Ramontsheng Rapolaki:**
From ocean to atmosphere: moisture sources for rainfall over southern Africa through a Lagrangian approach
- 11:30 – 11:40 **Dr Mokhele Moeletsi:** Discussion Session
- 11:40 – 11:45 **Dr Althea Grundling:** Closing Remarks

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“Climate and Water across Generations to Accelerate Change”

Speakers



Dr Stephan Glatzel:

Stephan Glatzel obtained his doctorate 1999 in Soil Science at Hohenheim University, Stuttgart, Germany. After assignments as Postdoc at McGill University, Montréal, Canada and the University of Göttingen, Germany, he became Professor of Landscape Ecology and Land Evaluation at the University of Rostock, Germany. Since 2014, he is Professor of Geoecology at the University of Vienna, Austria. In 2016, he became member of Austria's Ramsar National Focal Point and joined STRP activities and was nominated to the STRP in 2023. Since his doctorate, the focus of Stephan's work has been organic matter and greenhouse gas turnover in wetlands, especially peatlands. From 2013 to 2023, Stephan was an editor of *Mires and Peat* and became Editor in Chief of *Catena* in 2023. Besides his >130 scientific publications, Stephan has been active at the science-policy interface as an author of Austria's Mire Strategy 2030+ and the 2023 update of Austria's Floodplain Strategy.

Dr Максим Напреенко:

Dr Maxim Napreenko is graduated in Biology and Chemistry (1994). He has completed a post-graduate programme (1997) and received a doctorate's degree (Ph.D.) in Botany (2002). He has long-term experience working in wetland ecosystems focusing on their biodiversity, vegetation and formation patterns. Currently, he is a research officer at Immanuel Kant Baltic Federal University dealing with environmental and nature conservation research projects. His research interests are in wetland and forest ecology, palaeobotany and palaeogeography, vegetation science and bryology. He is also a researcher at Shirshov Institute of Oceanology, Russian Academy of Sciences (Atlantic Branch). M.G. Napreenko (Kaliningrad, Russia)



Dr Alanna Rebelo:

Dr Alanna Rebelo is a senior researcher in the Water Science unit with the Agricultural Research Council - Natural Resources and Engineering. She concurrently holds a research fellow position in the Conservation Ecology and Entomology Department at Stellenbosch University. Her major research theme is on understanding the benefits of nature-based solutions, such as wetland restoration and clearing of biological invasions, using applied remote sensing and hydrological modelling approaches. Alanna Rebelo studied Zoology and Ecology at the University of Cape Town and went on to do her Masters research at Stellenbosch University on the hydrological benefits of restoration (which she achieved cum laude). In 2011 she was awarded a prestigious Green Talent Award by the German Ministry of Education and Research. In 2014 Alanna received an Erasmus Mundus scholarship to do her PhD abroad, and chose to do her doctorate at Antwerp University in Belgium on South African palmiet wetlands and their ecosystem services. In November 2017 she graduated with a joint PhD degree from Stellenbosch University and the University of Antwerp.



Dr Ramontsheng Rapolaki:

Dr Ramontsheng Rapolaki is a researcher in agrometeorology at the Agricultural Research Council - Natural Resources and Engineering, based in Pretoria. He is also a Research Fellow in the Department of Geography at the University of the Free State. His research focuses on the impacts of weather and climate on agricultural production and potential, using numerical models and observations. He is also involved in examining the potential impacts of projected climate change on agriculture. Ramontsheng is a trained oceanographer and atmospheric scientist who previously worked as a Professional Development Programme (PDP) Postdoctoral Fellow at the NRF's South African Environmental Observation Network (SAEON). Prior to that, he worked as a Postdoctoral Lecturer in Ocean-Atmospheric Dynamics in the Department of Oceanography at the University of Cape Town, where he also obtained all his formal qualifications in ocean and atmospheric science.

