

10th Water Research Horizon Conference 2019
18-19 June 2019 | Geozentrum Hannover

Information of Open Space Workshop f

Title of the workshop	Water Resources Security Southern Africa
Moderator*s/ organisator*s	Dr. Georg Houben, Federal Institute for Geosciences and Natural Resources (BGR), Germany
Objective of the workshop	Improving the exchange with regional and national stakeholders, increasing the understanding of their needs and challenges. Developing potential water research options for improving long-term water resources management and security in Southern Africa.
Expected outcome	Strengthened cooperation to enhance collaborative research networks for water resources security between partners in Southern Africa and Germany / Europe. Prioritization of research and capacity development needs, taking into account recent findings from groundwater exploration in the region, latest technological developments, governance and national / regional legal frameworks.
Short abstract of the topic	Due to population growth, economic development, changing nutrition practices and the impact of climate change, the traditional surface and groundwater resources in Southern Africa may not be sufficient to support socio-economic development options for the future. The hydrological scenarios for climate change in the region - simplified: dryer in the Southwest, wetter in the Southeast of Africa - underline the need to focus research on improving water and esp. groundwater management to improve resilience against longer and repeated drought seasons as well as extreme flooding. More efforts are needed to explore and develop additional water resources that have not been used traditionally. The workshop aims at reviewing latest developments at regional and national levels, increasing the understanding of African perspectives and developing collaborative frameworks in the fields of research and capacity development for securing water resources in the future.

<p>Schedule</p>	<p>Introduction:</p> <ul style="list-style-type: none"> ○ Dr. Georg Houben, Head, Groundwater Resources - Quality and Dynamics, BGR, Germany (5 min) <p>Presentations / Statements:</p> <ul style="list-style-type: none"> ○ Mr. James Sauramba, Executive Director, Southern African Development Community - Groundwater Management Institute, SADC-GMI, South Africa (10 min) ○ Prof. Dr. Joerg Helmschrot, Director Science & Technology / Capacity Development, SASSCAL Secretariat, Namibia (10 min) ○ Dr. Bertram Swartz, Deputy Director, Geohydrology, Directorate of Water Resource Management, Department of Water Affairs and Forestry, Ministry of Agriculture, Water and Forestry, Namibia (10 min) tbc ○ Mr. Advocate Gavin Kode, Deputy Director-General: Provincial Public Works, Department of Transport and Public Works, Western Cape Government, South Africa: <i>Challenges to and the sustainability of using locally sourced and treated groundwater to water secure critical infrastructure</i> (10 min) ○ Prof. Dr. Imasiku Nyambe, Professor, Department of Geology, University of Zambia, Zambia (10 min) tbc ○ Prof. Dr. Thomas Himmelsbach, Director, Department Groundwater and Soil Science, BGR, Germany (5 min) <p>Round table discussion with the audience to develop key research and collaboration areas for consideration by research funding institutions.</p>
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