



International Association of Hydrogeologists

Irish Group

Technical Discussion Meeting

The David Burdon Memorial Lecture

**The roles of early career
hydrogeologists in international
groundwater development and meeting
the SDGs**

**Dr. Jared van Rooyen – Eawag (Switzerland) & Chair
of the IAH Early Career Hydrogeologist Network
(ECHN).**

Venue: **Register in advance** for this meeting:
<https://tinyurl.com/IAH-Burdon2023>

After registering, you will receive a confirmation email containing
information about joining the meeting.

Date: Tuesday 7th February, 2023

Time: Talk & discussion 18:00 – 19:30

IAH Meetings in March & April 2022

Tuesday 7th March

IAH TDM. Topic & speakers TBC

Tuesday 18th &

IAH Annual Conference. *Groundwater and Planning*

Wednesday 19th April



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Topic Summary: In 2022, the year of groundwater, many countries highlighted the importance of groundwater in meeting their SDG targets. Groundwater is central to securing not only water resources for domestic use but also plays a pivotal role in agriculture and food security. In the onset of a rapidly changing climate and continued population growth, water resources are under extreme stress, increasing the demand for skilled water researchers and practitioners. Early career scientists represent the future of water researchers, policy makers and practitioners in the water sector. This lecture gives an opportunity to highlight the roles early career hydrogeologists can be expected to play in achieving the SDGs and showcase some success stories in developing countries in Africa. For the first time ever, early careers have been given the stage at global decision making summits to voice their opinions and concerns and the latter part of this lecture will highlight some of the take home messages from the 2022 IAH-CFH SDG conference and the first UN Groundwater Summit. This lecture will also summarise the structures and outlooks of IAHS Early Career Hydrogeologist Network (ECHN) as well as the UNESCO Groundwater Youth Network (GWYN).

Speaker Bio: Jared is currently a senior postdoctoral researcher at Eawag, Switzerland (the Swiss Federal Institute of Aquatic Science and Technology) and Chair of the IAH Early Career Hydrogeologist Network (ECHN). His primary field of interest is in isotope hydrology/hydrogeology with applications in groundwater vulnerability and sustainability. He completed his postgraduate studies and PhD at Stellenbosch University, where his research focused on novel applications in groundwater tracers in particular using tritium to assess region modern groundwater proportions. He is a strong advocate for early career involvement in research and policy making in the groundwater space. Other research interests include postgraduate research funding solutions and outreach as well as scientific engagement with the use of modern media techniques.

