



International Association of Hydrogeologists  
Irish Group

## **IAH TDM**

### *Three talks from Early Careers Hydrogeologists*

*“Hydrology of humid dune slacks at the Maharees, Co. Kerry”*  
Jennifer Law (UCC, now Hydro-Environmental Services Ltd.)

*“An Inception Framework Hypothesis as applied to karst development in the Burren, Ireland”* Rob Watson (UCD)

*“Impact of heterogeneity on the thermal and hydraulic properties of the Sherwood Sandstone”* Karina O’Donnell (QUB/GSI)

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**Venue:** online – please register at  
<https://tinyurl.com/March23IAHTDM>

**Date:** Tuesday 7<sup>th</sup> March, 2023

**Time:** 6.00 – 7.30 pm

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### **Future IAH Meetings**

Tuesday 18<sup>th</sup> &  
Wednesday 19<sup>th</sup> April

IAH Annual Conference. *Groundwater and Planning*

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### Speaker Biographies



**Jennifer Law** is a recent Masters graduate in Applied Environmental Geoscience from University College Cork, and also have a bachelor's in Earth and Ocean Science from the National University of Ireland Galway (2019). I am currently working at Hydro-Environmental Services in Dungarvan Co. Waterford, which has allowed me to be a part of a wide variety of interesting and challenging projects, including this particular project which studies the hydrology of the humid dune slacks in Co. Kerry.



**Rob Watson** has been an Irish Research Council postgraduate scholar at UCD since 2021, having completed his MSc (also at UCD) in 2019, but began seriously exploring caves when studying at the University of Leeds 10 years ago. He has studied and mapped karst landscapes in limestones and evaporites from New Zealand to Austria to Albania to the Dead Sea, using both fieldwork and remote sensing techniques. However, his talk today considers a region much closer to home: the Burren karst in Western Ireland.



**Karina O'Donnell** is a recent Masters graduate in Environmental Engineering from Queen's University Belfast and obtained a Bachelor's in Earth and Ocean Science from the University of Galway in 2020. She is currently working for the GSI on various projects as a graduate geologist within the Groundwater and Geothermal Unit. Her MSc dissertation focused on the potential of implementing geothermal systems in Northern Ireland, particularly discussing the need to understand an aquifer's thermal and hydraulic heterogeneities. Permeability and hydraulic properties of the Sherwood Sandstone aquifer were evaluated by comparing borehole Nuclear Magnetic Resonance (NMR) data to measurements derived from borehole cores using a permeameter.

For more information on the International Association of Hydrogeologists (Irish Group) see <http://www.iah-ireland.org>, and for IAH International see <http://www.iah.org>

For more information on the IAH Early Careers Hydrogeologist network, please go to the website: <https://echn.iah.org/>