



Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

## Annual Meeting of the Irish Freshwater Sciences Association 2024

Hosted by Trinity College Dublin  
Friday, 8 March 2024

Venue: M4 (Geology/Geography Lecture Room 4) on the ground floor of the  
Museum Building

<https://www.tcd.ie/Maps/map.php?b=54&i=b60>

09:30 – 09:55	<b>REGISTRATION</b>
10:00	<b>Welcome &amp; Overview</b> Jay Piggott (TCD) [& Pascal Sweeney (short obituary)]
Session 1a	<b>Open Session</b> (talks = 12 minutes & questions = 3 minutes) Session chair: <b>Mary Kelly-Quinn</b> (UCD)
10:15	<b>Cormac Mc Conigley</b> (LAWPRO) LAWPRO – Expanding and Innovating to Deliver for Water Quality.
10:30	<b>Darragh Murphy</b> (UCC) Nature-based Solutions in Practice: The impacts of an Offline Storage Area on Flood Peaks, Water Quality and Sward Health on an Irish Farm.
10:45	<b>Michelle McKeown</b> (UCC) Climate Change Effects on Water Quality in Ireland: Emerging Challenges and Insights – A Review.
11:00	<b>Pascal Sweeney</b> (Sweeney Consultancy) Oligochaete Identification for River Water Quality Assessments.
11:15 – 11:45	<b>COFFEE BREAK (30 minutes)</b>
Session 1b	<b>Open Session</b> (talks = 12 minutes & questions = 3 minutes) Session chair: <b>Simon Harrison</b> (UCC)
11:45	<b>Oisín Duffy</b> (NBDC) An Introduction to the National Biodiversity Data Centre: Citizen Science and Mapping.
12:00	<b>Helen Barber-James</b> (NMNI) Diversity of Ephemeroptera, Plecoptera and Trichoptera (EPT) Species in the Burren - Results of August 2023 Bioblitz.
12:15	<b>Elvira de Eyto</b> (MI) Maximising the Value of Long-term Data Collections through Collaboration.
12:30 – 13:30	<b>LUNCH (60 minutes)</b>
Session 2	<b>Ongoing and Finished Projects</b> (talks = 7 minutes & questions = 2 minutes) Session chair: <b>Helen Barber-James</b> (NMNI)
13:30	<b>Xavier Badham</b> (QUB) Ecological Stability of a River Community Along a Gradient of Nutrient Stress.

13:40	<b>Oscar Flynn</b> (UCD) Hydroacoustic Surveys Used to Investigate the Distribution and Abundance of the Invasive Charophyte <i>Nitellopsis obtusa</i> in Loughs Ree and Derg.
13:50	<b>Simon Harrison</b> (UCC) The Impact of Pool Drying and Predation on Larvae of the Saltmarsh Mosquito <i>Ochlerotatus detritus</i> in Cork Harbour.
14:00	<b>Aoife Walsh</b> (IFI) PASTA – Utilizing a Web-Based Tool to Evaluate Stream Thermal Sensitivity Within the IFI CCMRP/OPWCRP Catchment Monitoring Network.
14.10	<b>Sean Neville</b> (UCC) Novel Underwater Video Methodology for Monitoring Freshwater Fish Population.
14:20	<b>Aideen Kane</b> (Independent Researcher) Corixids of County Cork.
14:30	<b>Ronan Matson</b> (IFI) Aquatic Plants in Ireland; a Photographic Guide.
14:40	<b>Catherine Dalton</b> (UL) Lakes in Ireland – Mirrors of Change.
14:50 – 15:10	<b>COFFEE BREAK (20 minutes)</b>
Session 3	<b>New Science and Research</b> (elevator pitches = 2 minutes, no questions) Session chair: <b>Ronan Matson</b> (IFI)
15:10	<b>Michael Connell*</b> (UCD) HydroGen: Integration of DNA-Based Assessment Tools into Water Quality and Biodiversity Monitoring with a Focus on Fish and Diatoms.
15:12	<b>Michael Officer*</b> (TCD) Maternal Temperature Does Not Influence Offspring Disease Resistance During Transgenerational Temperature Shifts in <i>Daphnia magna</i>
15:14	<b>Robert Moise*</b> (UCD) HydroGen: Integration of DNA-Based Assessment Tools into Water Quality and Biodiversity Monitoring with a Focus on Macroinvertebrates and Microbes.
15:16	<b>Georgia Miles*</b> (QUB) Mayfly Research in Ireland: Past, Present, and Future Directions: A Preliminary Overview.
15:18	<b>Juliette Ni Shúilleabháin</b> (St Mary's Secondary School, Mallow) Assessing the Presence of White-Clawed Crayfish ( <i>Austropotamobius pallipes</i> ) in the Blackwater Catchment Area of Mallow Using Environmental DNA Analysis and the Identification of Possible Ark Sites.
15:20	<b>Ashenafi Battamo</b> (UCD) Impacts of Extreme Weather Events on Freshwater, Terrestrial and Marine Ecosystems.
15:22	<b>Emma Drohan</b> (IFI) The RESTORE Project - Detecting Change and Assessing the Effectiveness of Measures to Protect and Restore High Status Objective River Waterbodies.
15:24	<b>Jan-Robert Baars</b> (UCD) Mayfly Distribution in Ireland – Records for the Red Listing.
15:26	<b>Siobhán Atkinson</b> (RPS) Guidance on Assessment and Construction Management in <i>Margaritifera</i> Catchments in Ireland
15:28	<b>*Elevator Pitch student prize award – Kindly sponsored by Inland Fisheries Ireland</b> <b>Letizia Cocchiglia &amp; Ronan Matson</b>
15:30	<b>OPEN DISCUSSION &amp; Annual General Meeting of IFSA</b> <b>Letizia Cocchiglia</b> (IFSA Secretary) & <b>Valerie McCarthy</b> (IFSA Treasurer)
16:00 – 16:15	<b>MEETING FINISH</b>

IFI = Inland Fisheries Ireland, LAWPRO = Local Authority Waters Programme, MI = Marine Institute, NBDC = National Biodiversity Data Centre, NMNI = National Museums Northern Ireland, QUB = Queens University Belfast, TCD = Trinity College Dublin, UCC = University College Cork, UCD = University College Dublin, UL = University of Limerick.