



Annual Meeting of Irish Freshwater Biologists 2016

Friday, 4th March

Schrodinger Lecture Theatre in the Physics Building, Trinity College, Dublin.

09:00-09:25 – REGISTRATION

09:25 Welcome & overview – Ian Donohue (Trinity College, Dublin)

Session 1. *Multiple Stressors in Irish Freshwaters* (talks=12 minutes + questions) – Pascal Sweeney (Chair)

9:30 – *How multiple stressors affect habitat and water quality for freshwater pearl mussels* – Evelyn Moorkens

9:45 – *Addressing multiple stressors in freshwaters at the local level in Ireland through a new water governance arrangement* – Fran Igoe (Local Authority Water and Communities Office)

10:00 – *Retrospective examination of the effect of multiple stressors on macroinvertebrates in Irish rivers* – Martin McGarrigle (Limnos Consultancy)

10:15 – *Identifying key stressors among the pack* – Rossa O’Briain (Inland Fisheries Ireland)

10:30 – *Partitioning the impacts of multiple stressors on the freshwater dynamics of salmon, trout and eel* – Elvira de Eyto (Marine Institute)

10:45 – *The Stonefly (Plecoptera) of Ireland* – Overview by Hugh Feeley & launch of the atlas by Micheal Starrett (The Heritage Council)

11:00 – COFFEE BREAK

Session 1 cont’d. *Multiple Stressors in Irish Freshwaters* (talks = 12 minutes + questions) – Ian Donohue (Chair)

11:30 – *The relative and combined impacts of point and diffuse nutrient pressures on stream ecology: a five year study in agricultural catchments* – Mairead Shore (Teagasc)

11.45 – *The impact of a summer flood event on macroinvertebrate communities in a number of Irish catchments; sediment or flow stressors?* – Liz Conroy (University College Dublin)

12:00 – *Realised epilithic algal biomass in running waters: a function of grazer pressure nutrient enrichment and hydraulic disturbance* – Simon Harrison (University College Cork)

12:15 – *The impact of hydrochemical disturbances on the ecology of headwater streams in agricultural landscapes* – Stephen Davis (Teagasc/UCD).

12:30 – *Warming can enhance invasion success through asymmetries in energetic performance* – Marcin Penk (Trinity College Dublin)

12:45 – *Why is the crayfish population expanding in the Munster Blackwater?* – Pascal Sweeney (Sweeney Consultancy)

13:00 – LUNCH

Session 2 *Well advanced research* (talks = 8 minutes + questions) – Simon Harrison (Chair)

14:00 – *Outbreak of the Crayfish plague in the Erne: status and implications*– Ciaran O’Keeffe (National Parks and Wildlife Service)

14:10 – *Dietary preferences of the plecopteran species *Leuctra inermis* for pollen of different tree species* – Cormac McConigley (University College Dublin)

14:20 – *Is riparian vegetation important in low nutrient upland stream systems?* – John O’Driscoll (University College Cork)

14:30: – *Blackpool Cork City a focus for Otters *Lutra lutra* and probable stress from proposed flood relief scheme* – Dr Paddy Sleeman (University College Cork)

14:40 – *Going with the flow: Invasive Species, Biosecurity and Irish Canoeists* – Ronan Cooney

14:50 – COFFEE BREAK

Session 2 cont. *Well advanced research* (talks = 8 minutes + questions) – Mary Kelly-Quinn (Chair)

15:10 – *The relationship between land-use change and high status water bodies* – Gabriel Gaffney (Ulster University)

15:20 – *Predicting lake alkalinity and depth for classifying Irish lakes using the Water Framework Directive typology* – Dr Caroline Wynne (Trinity College Dublin/ RPS Group)

Session 3. *New and ongoing research* (talks = 3 minutes + questions) – Mary Kelly-Quinn (Chair)

15:30 – *Sustainable land-use management for the conservation of the Freshwater Pearl Mussel: Sediment Flux and Provenance* – Karen O’Neill (Teagasc/University of Dundee)

15:35 – *Support from and for the Data Centre* – Liam Lysaght (National Biodiversity data Centre)

15:45 – **OPEN DISCUSSION & FINISH** – Ian Donohue (Chair)



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Coláiste na hOllscoile Corcaigh, Éire
University College Cork, Ireland