



IQUA Autumn Symposium 2020: Carbon Sequestration

Online: 27th November 2020

Zoom Details: <https://ucd-ie.zoom.us/j/69253996454>

Opens at 10 am

10.15-10.20 Welcome from IQUA president (Gill Plunkett)

10.20-10.25 Introduction to the conference (Graeme Swindles)

MORNING SESSION (Chair: Graeme Swindles)

- (1) 10.25-10.45 *Carbon Storage in Intertidal Environments (C-SIDE)*: William Austin, University of St Andrews (Keynote speaker)
- (2) 10.45-11.00 *Put a lid on it: Quaternary sediments and CCS in the North Sea*: Andrew Newton, Queen's University Belfast
- (3) 11.00-11.15 *Divergent responses of permafrost peatlands to recent climate change*: Thomas Sim, University of Leeds
- (4) 11.15-11.30 *Blue Carbon Ireland – Quantifying carbon stocks and sequestration rates in coastal wetlands*: Grace Cott, University College Dublin
- (5) 11.30-11.45 *Land use may influence the composition and biodegradability of dissolved organic carbon in carbon-rich catchment drainage*: Ying Zheng, University of Glasgow
- (6) 11.45-12.00 *Defining peatland zones using self-organising map clustering on airborne radiometric data and OS digital elevation model*: David O'Leary, National University of Ireland, Galway (Poster)

12.00-12.30 Virtual lunch break (pets, children, friends and family are welcome!)

AFTERNOON SESSION (Chair: Catherine Dalton)

- (7) 12.30-12.45 *Estimating allochthonous coastal carbon burial in the western Ganges–Brahmaputra delta over the last 5,000 years*: Rory Flood, Queen's University Belfast
- (8) 12.45-13.00 *Modelling Organic Carbon Accumulation Rates and Residence Times for a Welsh Ombrotrophic Peatland*: Luke Andrews, University of York
- (9) 13.00-13.15 *Assessing the impact of inter-annual climatic variability on rates of net ecosystem carbon dioxide exchange at Clara bog*: Matthew Saunders, Trinity College Dublin
- (10) 13.15-13.30 *Investigation of the CO₂ storage potential of the Celtic Sea Basins*: Pablo Rodrigues-Salgado, University College Dublin
- (11) 13.30-13.45 *Monitoring groundwater depths, pH and redox potential and GHG modelling of a cutover blanket peatland in Galway, Ireland*: Amey Tilak, Limerick Institute of Technology
- (12) 13.45-14.00 *The role of salt in long-term carbon storage offshore Ireland*: Conor O'Sullivan, University College Dublin

14.00-14.05 Final comments and conference close from session Chair (Catherine Dalton)