



ESAI Postgraduate of the Year

Congratulations to Larissa Macedo Cruz de Oliveira (ERI/BEES/Dept of Geography) who is the winner of the ESAI Postgraduate Researcher of the Year Award 2022. Larissa received her prize at the opening ceremony of [Environ 2023 conference](#). Fellow ERI student Hannah Mealy also won Best Biodiversity Presentation while Dr Paul Bolger hosted a conference workshop on *"Getting ready to be a sustainability professional"*.



Improving climate policy

Researchers in the ERI/MaREI and Columbia University have published new research that will improve the accuracy of estimating future demands for passenger and freight transport, that collectively account for 20 % of global greenhouse gas emissions. Led by Siddhartha Joshi, the [study published in Scientific Reports](#), introduces a novel custom deep learning neural network architecture called TrebuNet.



Leadership in Sustainability

In March the [Sustainability Leadership programme](#) was launched at the Irish Management Institute (IMI) in Dublin. This programme for senior leaders is a collaboration between the [UCC Sustainable Futures Project](#) and the Irish Management Institute. Project lead Dr Marguerite Nyhan officially launched the programme and delivered the first lecture to participants from some of Ireland's largest companies.



UCC Innovation Awards

Congratulations to Dr Brenda Long (ERI/School of Chemistry/Tyndall) who was the recent winner of the [UCC SPRINT Disruptive Technology Award](#). Dr Long has developed a new catalytic technology which will enable a 32% improvement in performance in electric vehicles. This new technology has the potential to change the fuel cell landscape offering a cheaper, cleaner alternative to battery electric vehicles.



Future Science Brief

To achieve the EU Green Deal vision, the amount of installed offshore renewable energy generating capability in Europe must increase 30-fold compared to current installed capacity. The European Marine Board has recently published a Future Science Brief on this topic authored by a working group co-chaired by Dr Anne Marie O'Hagan (MaREI/ERI). [Read the brief in full here..](#)



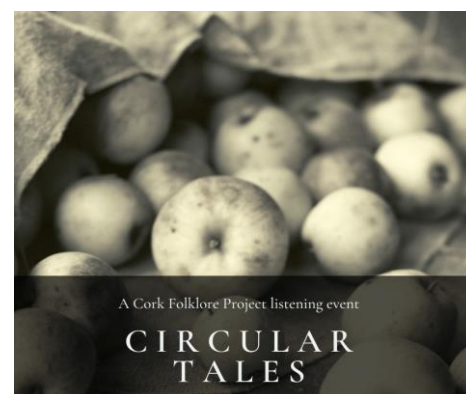
UCC Green Week 2023

UCC Green Week invites us to take further action to protect and restore our environment. During UCC Green Week the ERI partnered with UCC Green Campus and the UCC Student's Union to host a number of events highlighting UCC's sustainability research (Green Week Symposium) and sharing insights and reflections on COP-27 in conversation with George Lee, RTÉ Environment Correspondent.



The NET effect

Should negative emissions technologies be deployed in Western countries for most climate action or Asia where they are needed for development? In a recent publication in the Global Sustainability journal, Dr Kian Mintz-Woo (ERI/Dept of Philosophy) argues that this point raises morally and legally important implications by identifying a trade-off between 'efficiency' and 'need'. [Read the article in full here..](#)



Circular Tales

As part of Cork's Life Long Learning Festival, the ERI partnered with Cork Folklore Project and the UCC Department of Folklore and Ethnology to bring the SFI Discover-funded Circular Tales listening event to Ballyphehane Library. The event saw Cork Folklore Project sharing stories from their archives of oral history interviews with Cork people in the 1940s-1960s, on the themes of reuse, recycling and thrift.



Irish Ornithological Research

UCC hosted the 8th Irish Ornithological Research Conference in March with the scientific organising committee chaired by Prof John Quinn of the ERI/School of BEES. The conference covered a wide range of topics from seabirds and waterfowl to some of our most charismatic and rare breeding species, including white-tailed eagles, corncrakes and the common crane. [Read more..](#)



National Fossil Art Contest

Ireland's Fossil Heritage (School of BEES/ERI) is launching a new photo competition, where members of the public are asked to take snaps of the fossils of Ireland. The winning entries of the National Fossil Photo Contest will be showcased in three dedicated exhibitions in July 2023. The theme of the contest is Irish fossils – Hidden Treasures. [For more details visit the Ireland's Fossil Heritage website.](#)



Meet our newest ERI Academic

A warm welcome to our newest ERI Academic – Dr William Burchill. Dr Burchill is the FBD lecturer in Soil Science (Agriculture) at UCC School of BEES. His research focuses on enhancing the sustainability of Irish pasture-based systems and has informed Irish agricultural policy and advisory documents through his previous role with Teagasc. [Read more about Dr Burchill here..](#)

Irish Examiner

Sustainable cities with many green spaces key to cutting greenhouse gas emissions



ERI in the Media

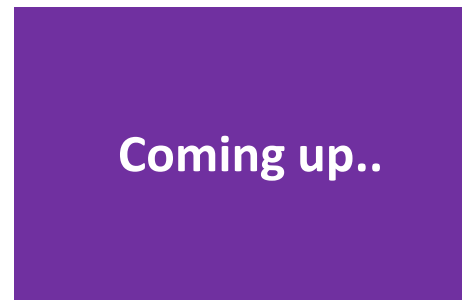
"We would knowingly be condemning future generations to dire consequences. These are not 'unimaginable' consequences anymore."

- [Dr Eoin Lettice in the Irish Examiner](#)



World Water Day 2023

The theme of this year's World Water Day is accelerating change to solve the water and sanitation crisis and to highlight this, student Luke Ring from the UCC Brainwaves project (BEES/ERI) [produced this short video](#) about the importance of clean water. The Brainwaves project continue to work on innovative water remediation systems using the duckweed plant. [Read more about their work here..](#)



- **20th April:** [Law and the Environment Conference 2023](#)
- **27th April:** [Delivering Sustainable Urban Forests Symposium](#)
- **11th May:** [Eco-Humanities Research Group public lecture series.](#)
- **12th May:** [LIVE project closing event](#)
- **June 9th:** [Duckweed Research and Applications for the Circular Bioeconomy in Ireland](#)



ERI in the Media

"For bills to come down we need stability to return to the market and for volatility to dissolve."

- [Dr Paul Deane in RTE Brainstorm](#)



ERI in the Media

"Rooftop solar panels are a really tangible and practical way that people can bring down their carbon footprint."

- [Prof Hannah Daly on the Claire Byrne Show, RTE Radio One.](#)