



AI & Climate Sustainability

1-Week Research Sandbox
March 2026



The Co-Centre for Climate Biodiversity + Water, in partnership with Technology Ireland ICT Skillnet, invites forward-thinking companies to take part in an intensive, one-week AI Sandbox event at Trinity College Dublin, where AI will tackle your climate and sustainability challenges.

Bring your most pressing AI and sustainability challenge and a team of AI specialists, climate modelers, hydrologists and energy experts will use their skills to deliver innovative, research driven solutions you need.

Over five days, your problem will be analysed, modelled, and prototyped. You'll walk away with early-stage solutions, tested code, open-source documentation, and a strategic report tailored to your business.

When: November 2026 (exact dates tbc)

Where: Trinity Innovation Hub

Number of staff: Maximum of 3 can take part



Sandbox Lead Instructor

Andrew Parnell, Deputy Director of the Co-Centre and Professor of Data Science for Weather and Climate at University College Dublin.



[Hear from Andrew about the sandbox](#) ↗

What's in it for your organisation?

Focused Expertise:

Tap into a team of researchers in AI, climate and sustainability, working full time on your problem for 5 days.

Rapid Prototyping:

Watch your challenge evolve from concept to near solution within a week - complete with tangible outputs and tested code.

Risk-free Experiment: Safely test AI models and data strategies without disrupting existing systems.

Open Source: All outputs, from code to methodology, will be openly shared to support replication and future development.

Reputation Enhancement: Position your company at the intersection of cutting-edge AI and environmental leadership.

Future Partnerships: Potential for longer term collaborations, grant applications or bespoke consultancy.

Flexible Engagement:

Use our space and, if you wish, provide guidance or domain insights - or simply let the cohort explore independently.

Deliverables:

Leave with a detailed final report, functional prototypes, and tested ideas ready for internal buy-in or continued development.

Align your business goals with a positive environmental impact.

Learn more about the AI Sustainability Sandbox and register your interest

www.ictskillnet.ie/ai-sandbox

HOST INSTITUTIONS



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



QUEEN'S
UNIVERSITY
BELFAST



University of
Reading

PARTNER INSTITUTIONS



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MAYNOOTH COLLEGE
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