



On-line Event:

What role does measurement play in climate action?

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Join the **National Physical Laboratory (NPL)**, its **Postgraduate Institute for Measurement Science**, the Universities of **Bristol**, **Edinburgh** and **Royal Holloway** as they explore the critical role measurement plays in understanding and responding to climate change. Which measurements matter? Why are greenhouse gas measurements so important? How does climate science agree on which measurement techniques are best? What is inventory management and how does it apply to achieving net zero? All these questions and more will be answered in this collaborative seminar.

11th November 13.00 – 15.30 GMT - on-line

About the event

NPL (the UK's National Metrology Institute) and University Partners across the UK, particularly through the **Detection and Attribution of Regional greenhouse gas Emissions (DARE-UK)** project and **UK-DECC Network** funded by NERC and BEIS, are working on the science to provide confidence in delivering accuracy and reliability to greenhouse gas emissions estimates, that governments, regulators and industry can rely on. This live on-line seminar will feature some of the very latest research through a series of short talks and panel debate with speakers from the Met Office, Ricardo, Airbus and NPL providing delegates with the chance to quiz the experts about future science directions.

To read more and register online:

npl.co.uk/what-role-does-measurement-play-in-climate-action



Find out about

- Pioneering projects helping us understand greenhouse gas emissions (GHG)
- Measurement techniques and why accuracy matters
- GHG estimates and data science techniques to look at trends in Earth observations
- In-situ measurements during COP 26
- Current and future collaborations in climate science and the impact of measurement on Policy
- The role of Industry in measuring GHG emissions
- Careers and studentships in measurement science

Speakers

Chair:

Matt Rigby - DARE-UK, University of Bristol

Speakers:

Early career researchers from across the UK

Alistair Manning - Met Office Hadley Centre

Anita Ganesan - Modelling lead for DARE-UK, University of Bristol

Kat Elsom - Airbus

John Watterson - Ricardo

Tim Arnold - National Physical Laboratory & University of Edinburgh

Agenda

Welcome and Introduction to session - Matt Rigby, DARE-UK, University of Bristol

Scene setting and aims of the session with audience polling

Opening talk - Tim Arnold, NPL & University of Edinburgh

The importance of measurement and monitoring in tackling the climate crisis

Student talks

A snapshot of the latest research from Universities across the UK

In-situ measurements

NPL demonstrations of measurement

Panel Session - Facilitator, Matt Rigby

Facilitated panel discussion with industry, policy and measurement experts with time for live Q&A

Closing remarks

Audience

This event is intended for a general audience and members of the public concerned about climate action and measurements and the science behind the measurements.

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