



# Understanding the European Greenhouse Gas Budget: Towards supporting COP21

Royal Society, London

8-9 March 2017 (Wed/Thu)

Stakeholder session: 9 March, afternoon  
organised by the  
NERC Greenhouse Gas Emissions  
and Feedback Programme

This two-day meeting will review the current state of art of UK greenhouse gas research and monitoring, following recent and ongoing nationwide activities, and discusses key priorities and opportunities for the future. It will also provide a forum to connect the UK research community with relevant parties from government, industry and other stakeholders.

## Greenhouse Gas Research and Monitoring

Understanding and quantifying Greenhouse Gases (GHG) emissions is central to international efforts to slow their growth rate in the atmosphere, in order to mitigate the humanitarian and economic impacts of climate change. Achieving this demands accurate understanding and precise knowledge of natural and anthropogenic emissions and sinks of GHGs, as well as their transport and fate in the environment.

The Greenhouse Gases Emissions and Feedback Programme (2013-2017), funded by the Natural Environment Research Council (NERC), has developed a programme of comprehensive measurements, data analysis and modelling activities, focusing on the key GHGs carbon dioxide, methane, and nitrous oxide. Building on the integrated UK GHG programme, we are now at the stage where the UK can play a leading science role in a new pan-European GHG observing system (the Integrated Carbon Observing system, ICOS) via a coherent measurement programme to improve understanding, reduce uncertainties and underpin policy decisions. The aim is to support our ability for GHG accounting and to allow for the independent verification of emissions estimates.

## About the Meeting

The first 1.5 days of the meeting (Wednesday all day and Thursday morning) will be a multidisciplinary exposition of current GHG research in the UK that will feed into discussions on future challenges and opportunities for the UK in the global context.

The second half-day (Thursday afternoon) is focused on providing accessible material and results that will help transfer knowledge to stakeholders.

Attendees are welcome to sign up for either part or the full meeting.

## Registration

Please fill in the online form by 3 Feb 2017:  
[www.greenhouse-gases.org.uk/royalsoc2017](http://www.greenhouse-gases.org.uk/royalsoc2017)

## Contact

For more info, contact the GHG Programme Manager:  
Stephan Matthiesen ([Stephan.Matthiesen@ed.ac.uk](mailto:Stephan.Matthiesen@ed.ac.uk))

[www.greenhouse-gases.org.uk/royalsoc2017](http://www.greenhouse-gases.org.uk/royalsoc2017)

