

Greenhouse gases in the Earth system: Setting the agenda to 2030

Monday 22 to Tuesday 23 February 2010

Organisers: Euan Nisbet, Peter Liss FRS, Andrew Manning and Ralph Keeling

DAY 1				DAY 2			
Global Budgets and Trends		Tracking Changes in Sources and Sinks		Modelling Trends and Feedbacks		Future Perspectives and Policy Relevance	
Chairs: Ralph Keeling and Euan Nisbet		Chairs: Andrew Manning and Ingeborg Levin		Chairs: Peter Liss FRS		Chairs: Martin Manning, Kim Holmén, Crispin Tickell and Lord	
09.00	Welcome by Stephen Cox						Oxburgh
09.05	Martin Manning What Does Policy Need to Know About Greenhouse Gases?	13.30	Professor Steven Wofsy	09.00	Marina Lévy Coupling Between Physics, Biology and Chemistry in the Ocean at Sub-Mesoscale	13.30	Philippe Ciais Tipping Points in the Global Carbon Cycle: Policy Implications
09.30	Discussion	13.55	Discussion	09.25	Discussion	13.55	Discussion
09.40	Euan Nisbet and Ed Dlugokencky Methane – The Changing Global Budget and the Risk of Surprise	14.05	Corinne Le Quéré Uncertainties in estimates of annual sources and sinks of CO ₂	09.35	Peter Rayner Process Modelling and Atmospheric Validation	14.05	David MacKay FRS The Scale of the Decarbonization Challenge
10.05	Discussion	14.30	Discussion	10.00	Discussion	14.30	Discussion
10.15	Coffee	14.40	Tea	10.10	Coffee	14.40	Tea
10.35	Ingeborg Levin The European Greenhouse Gas Perspective			10:35	Justus Notholt Upward and Downward Remote Sensing of Greenhouse Gases	15.00	Robert Watson A Look to the Future: Marrying and Divorcing Science from Policy
		15.00	POSTER SESSION	11.00		15.25	Discussion
11.00	Discussion				Discussion	15.35	John Ashton (UNCONFIRMED) The Politics of the Low Carbon Transition
11.10	Ralph Keeling What Have We Learned from Carbon Isotopes and O_2/N_2 ?	15.50	Andrew Watson FRS Carbon Dioxide in the Oceans	11.10	Alistair Manning What are the Challenges for Using Inversions at Regional Scales?	15.55	Discussion
11.35	Discussion	16.15	Discussion	11.35	Discussion	16.00	Sir Crispin Tickell Precaution and Expectation
11.45	Ray Weiss Nitrous Oxide and Halogenated Greenhouse Gases	16.25	Nicolas Gruber Ocean Acidification and Ocean Oxygen Changes	11.45	Peter Cox Land Carbon Storage and Feedbacks	16.10	GENERAL DISCUSSION Panel Convenors: Sir Crispin Tickell,
12.10	Discussion	16.50	Discussion	12.10	Discussion		Lord Oxburgh FRS
12.30	LUNCH	17.00	CLOSE	12.30	LUNCH	17.00	CLOSE