

Earth System Science Summer School (ES4)

2nd - 13th September 2002

University of East Anglia (UEA)



'Promoting an interdisciplinary and integrated approach to environmental research'

Co Directors: **Prof. Brian Hoskins**, Univ. of Reading & **Prof. Peter Liss**, UEA

The course is intended for Ph.D. students at the end of their 1st or 2nd years of study, as well as research workers and policy makers from universities, research institutes, government and industry. The ES4 Summer School will:

- provide training in Earth system science through key topics addressing interactions of different environments, and the dynamic processes that link their physical, chemical, biological and social components.
- enable environmental researchers to appreciate how their own specialised studies fit into a broader context.
- involve a wide range of expert lecturers, from the UK and overseas, and through discussions and practical exercises, encourage all course participants to widen their scientific linkages.

Speakers and Agenda

Mon 2 Sept. pm	What is Earth System Science?: B Hoskins (Reading) Earth System Science, Another Viewpoint: B Moore III (New Hampshire, USA)
Tues 3 Sept. Guest Lecture	Earth's Energy Budget and Climate Change: K Shine (Reading) J Mitchell (UKMO) The Role of the Antarctic in the Earth System: C Rapley (BAS)
Wed 4 Sept.	The Global Water Cycle: R Gurney (Reading) J Wallace (CEH)
Thur 5 Sept. Guest Lecture	The Global Carbon Cycle: P Jarvis (Edinburgh) A Watson (UEA) Biodiversity: G Boxshall (NHM) Poster session
Fri 6 Sept.	Other Biogeochemical Cycles: D Fowler (Edinburgh) P Liss (UEA)
Mon 9 Sept. Guest Lecture	Palaeo-Perspectives: N McCave (Cambridge) P Valdes (Reading) Stratospheric Chemistry: J Pyle (Cambridge) Poster session
Tue 10 Sept.	Socio-Economic Aspects of Global Change: K Brown (UEA) T Benjaminsen (Agricultural University, Norway)
Wed 11 Sept. am pm Guest Lecture	Natural Resource Exploitation, Food and Fibre: P Gregory (Reading) J Ingram (CEH) Climate Variability: J Slingo (Reading) T Guymer (SOC) Oceanic Processes and Observations and Global Change: P Killworth (SOC)
Thur 12 Sept. am pm	Climate Variability Practical: J Slingo T Guymer Earth System Modelling; Integration and Synthesis: P Cox (UKMO) A Ganopolski (PIK, Germany)
Fri 13 Sept. am	Earth System Modelling Practical: P Cox A Ganopolski

Applications should be sent as soon as possible to the ES4

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**For more information
and registration forms**

- <http://www.uea.ac.uk/env/es4>