

# QUEST Earth System Science Summer School

*Promoting an interdisciplinary  
and integrated approach to  
environmental research*



**1 – 12 September 2008  
University of Bristol**

QUEST ES4 aims to:

- provide an introduction to Earth system science, through key topics that address the interactions of different environments and the dynamic processes that link their biotic and abiotic components;
- enable environmental researchers to appreciate how their own specialised studies fit into a broader context, and to develop interdisciplinary research skills;
- involve a wide range of lecturers and, through discussions and practical exercises, encourage all course participants (students and lecturers) to expand their scientific linkages.

The cross-cutting study theme for QUEST ES4 2008 is **Ecosystem Services**. There will be a series of discussions and tasks addressing this topic. An evening programme of debates and talks by guest speakers will be open to all interested scientists.

The course is intended for early stage researchers at universities, research institutes, government and industry. NERC PhD students and Greencycles researchers can attend free of charge as ES4 is a NERC training event.

Programme Outline	
Monday 1	Registration, Introduction to Earth System Science, Keynote Lecture and welcome dinner
Tuesday 2	Introduction to Interdisciplinarity and projects
Wednesday 3	Observations and Modelling
Thursday 4	Energy and Circulation
Friday 5	The Cryosphere
Monday 8	The Biosphere/Biophysical Feedbacks
Tuesday 9	Biogeochemical Cycles and Feedbacks
Wednesday 10	Project Day I: structured work on special topic questions
Thursday 11	Project Day II: structured work on special topic questions
Friday 12	Project Synthesis and Wrap-Up Day

**For more information and registration, please visit**

**[http://quest.bris.ac.uk/workshops/es4\\_08/index.html](http://quest.bris.ac.uk/workshops/es4_08/index.html)**