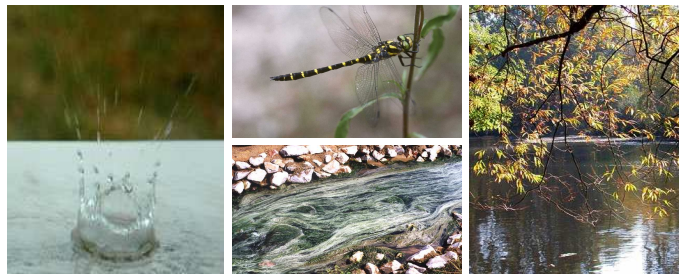
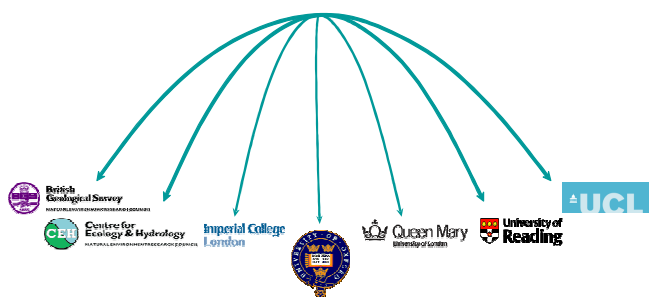


Water Science into Policy



Welcome to HYDRA

- **HYDRA is the HYDrosiences Research Association** for strategic multi-disciplinary research in water science, policy and management.
- Membership comprises the leading UK water science research groups in SE England and is also open to stakeholders and policymakers with interests in water science and management.



Our vision

HYDRA is unique in the UK in providing research expertise across the full spectrum of hydrosciences research disciplines within one association.

Our aim is to help policy makers and managers find solutions to some of the most significant challenges facing society in the next few decades.

Our vision is to integrate the science excellence across the hydrosciences disciplines to provide the best in evidence-based policy for UK environmental management, and to do this in an integrative and inclusive research environment involving both scientists and policymakers.



The challenge



The water environment faces unprecedented pressures. There is:

- Increasing demand for water resources,
- Increased drought frequency and flood risk due to climate change, and
- Land use change which affects runoff and pollutant transport to water, creating unprecedented stress for plants and animals in UK waters

The challenge for hydrosciences research is to undertake the science to:

- Better understand climate change interactions with waters
- Improve forecasting of hydrological responses to extreme (weather) events
- Define, restore and defend ecological health and sustainability in UK waters
- Underpin sound water resource management, particularly in resource-stressed areas such as south-east England
- Identify existing and emerging problems associated with chemical discharges to aquatic environments

Making a difference

HYDRA has the capacity to develop the inter-institutional and multi-disciplinary research needed to address these research challenges. It will:

- Undertake the strategic research needed through collaboration between member organisations, policy makers and industry
- Develop collaborative links with leading research centres in allied research areas to better integrate the physical and social science, addressing those questions of major societal impact
- Disseminate focussed advice to policy makers and industry to underpin the best in evidence-based policy making
- Develop exchange of knowledge partnerships with policy-makers, environmental managers and industry to facilitate better exchange of knowledge between differing interest groups
- **Make our science accessible and useful**

Find out more.. www.hydra.uk.net