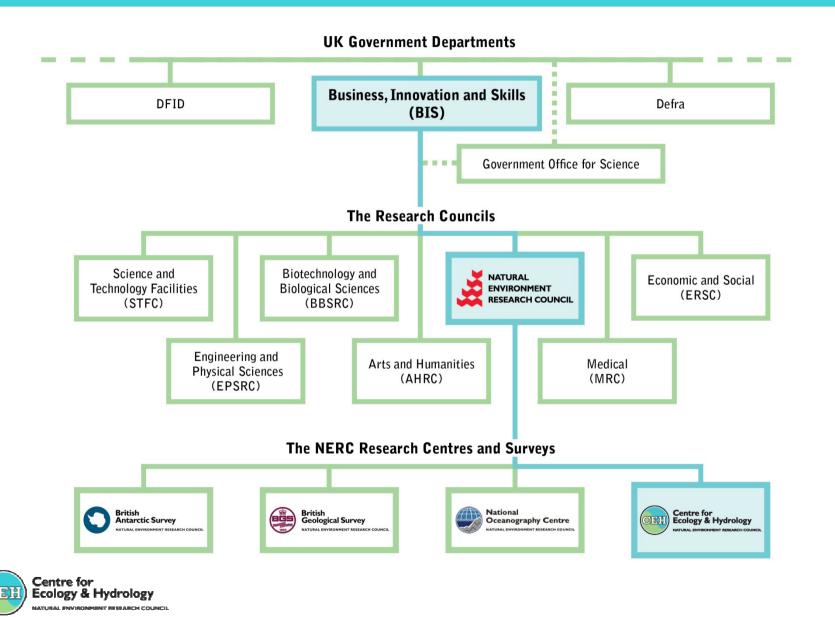


NERC Centre for Ecology & Hydrology and the Environmental Information Data Centre



Gwyn Rees, Director EIDC

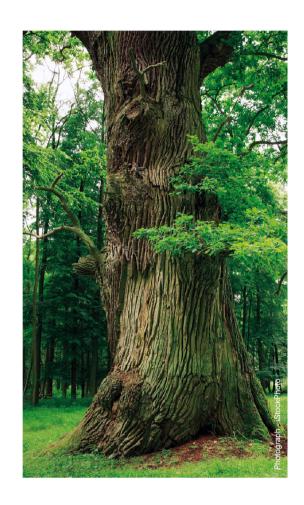
CEH & NERC in a UK Government setting



History of CEH

The Centre for Ecology & Hydrology (CEH) was formed in April 2000 from a merger of four longestablished research institutes:

- Institute of Terrestrial Ecology
- Institute of Freshwater Ecology
- Institute of Hydrology
- Institute of Virology & Environmental Microbiology





Resources

325 scientists & 125 support staff spread across the UK





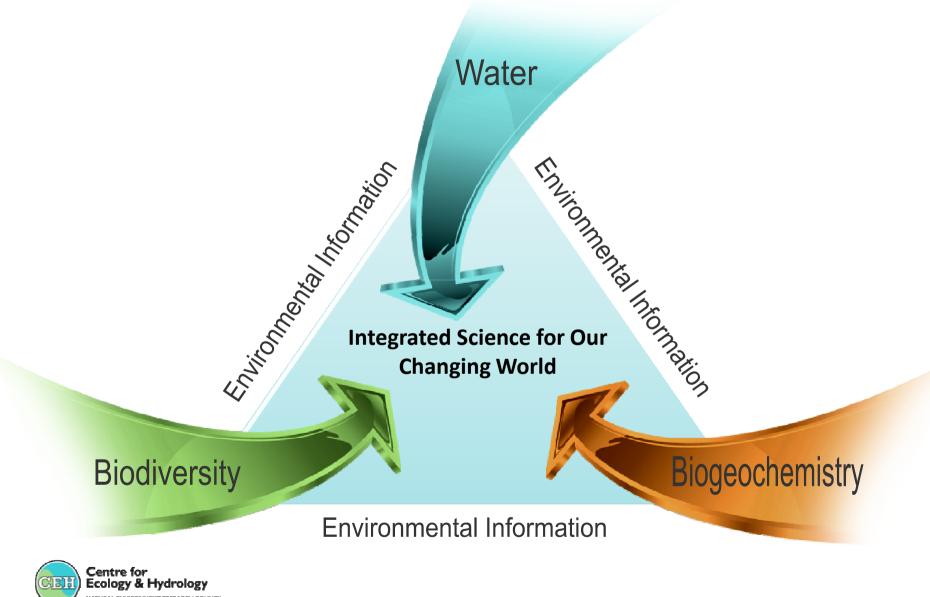








EIDC integral to CEH science



CEH monitoring and data collection

- As diverse as our science
- Micro- to macro-scale
- Many sources:
 - Monitoring campaigns
 - 180+ field sites
 - State-of-the-art facilities
 - Regulator networks
 - Volunteers
 - Model outputs
- Long-term and unique





CEH data coordination – in partnership













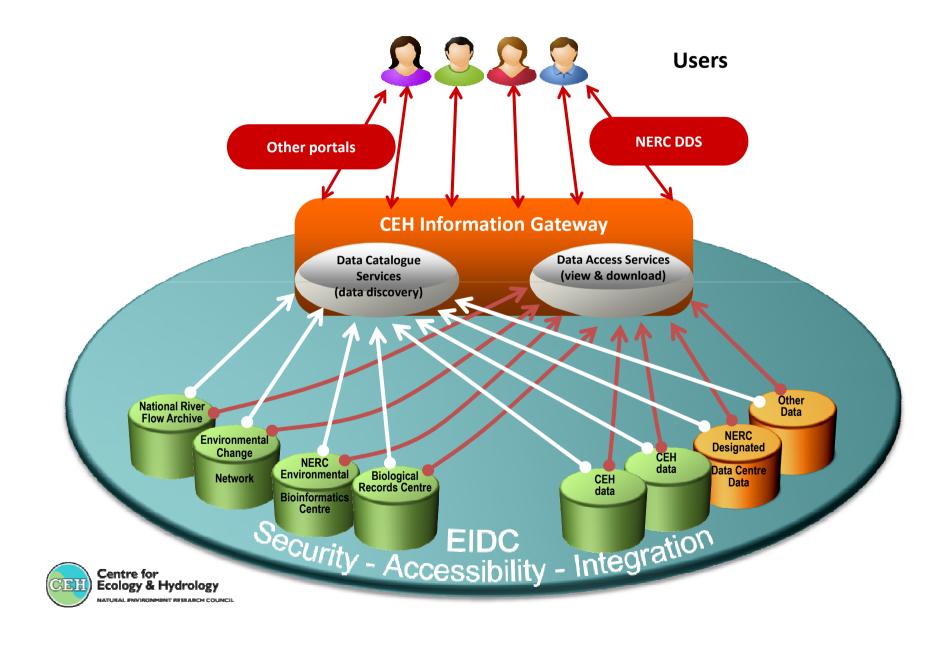




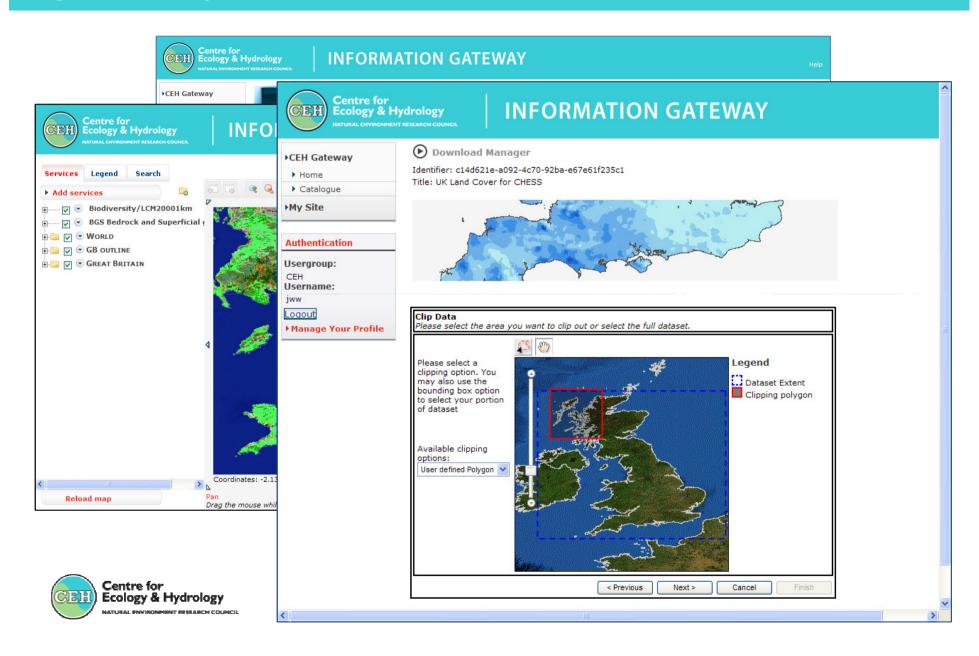




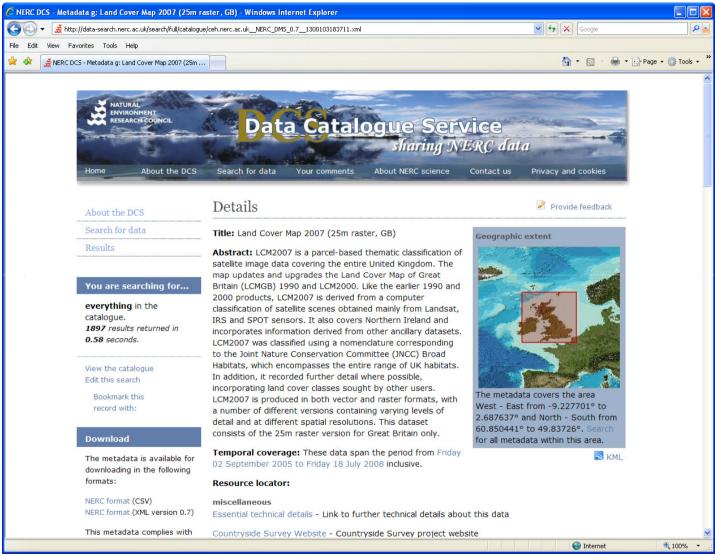
EIDC – a distributed data centre



gateway.ceh.ac.uk

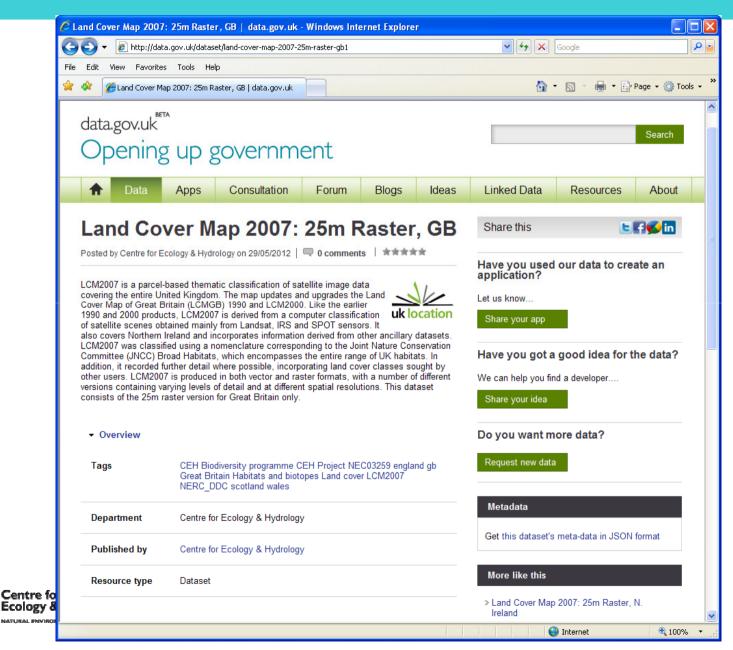


Links to NERC Data Catalogue Service

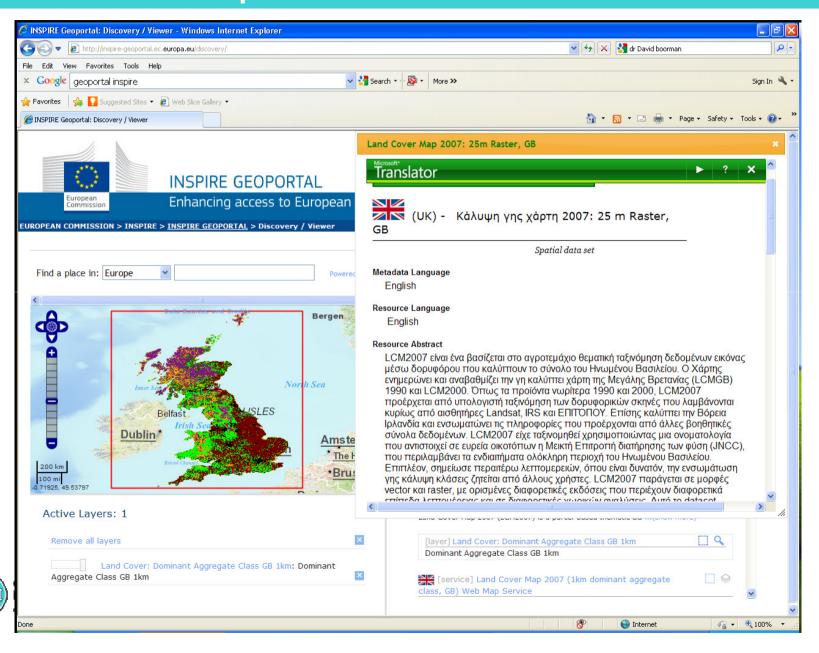




Links to UK Government Portal



Links to European INSPIRE Portal



Innovation & technical development

Enabling interoperability

- defining standards, ontologies, linked-data
- complex (multi-disciplinary) questions

Exploiting new technology

HPC, cloud, sensor-web

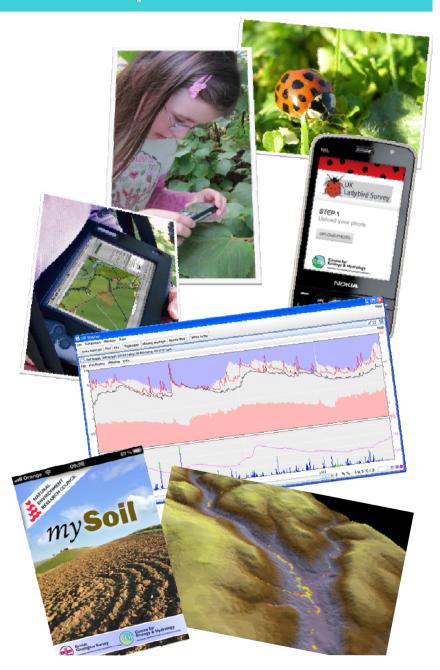
Developing new tools & systems

Data capture, data mining, assimilation, visualisation

Cultivating strategic partnerships

- Business/commerce (ESRI, Google, Syngenta)
- national & international (EU, USA, worldwide)
- leverage funding for policy-relevant, applied science





This afternoon's excursion

Arrive CEH



Hydrology Domain Working Group Workshop

Wednesday 27 June 2012

Wittenham Room (LCR) & Thames Room

Agenda

	Lunch served in the Thames Room	
13:15	CEH talks & brief discussion	
	Matt Fry - Introduction	
	 David Roy – The Biological Records Centre 	
	 Tim Booth – Genes in the environment - what we want to know and how to capture it 	
	Steven Cole – Flood Forecasting	
14:20	Tea and coffee	
14:30	Walk to HR	
14:45	HR Site Visit	Quillon Harpham/
	 Group 1 – Tour of the Froude Modelling Hall 	Kieran Millard
	Group 2 – Ship Simulator Demonstration	
15:30	HR Site Visit	Quillon Harpham/
	Group 1 – Ship Simulator Demonstration	Kieran Millard
	Group 2 Tour of Froude Modelling Hall	
16:15	Depart HR	Gwyn Rees
17:15	Tour of Lambourn Observatory Boxford	Colin Roberts/ Gareth Old
		Garem Old
18:15	Transfer to The Bell in Boxford	
18.30	Drinks and Dinner	
20:30	Depart Boxford	
21:00	Approx arrival in Reading	



Thank you!

