



First Challenge of UKERC Phase 3 – Valuing Natural Capital in Low Carbon Energy Pathways

Ideas Brokerage Workshop

Warwick, 21/22 July 2014

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VNC Challenge

1. Welcome
2. Background
3. Process

NERC's new strategy

**To place environmental
science at the heart of
responsible
management of our
planet**

Energy is a priority sector



Meeting societies needs



Benefiting from Natural Resources

Using natural resources sustainably to support a growing world population and economy



Resilience to Environmental Hazards

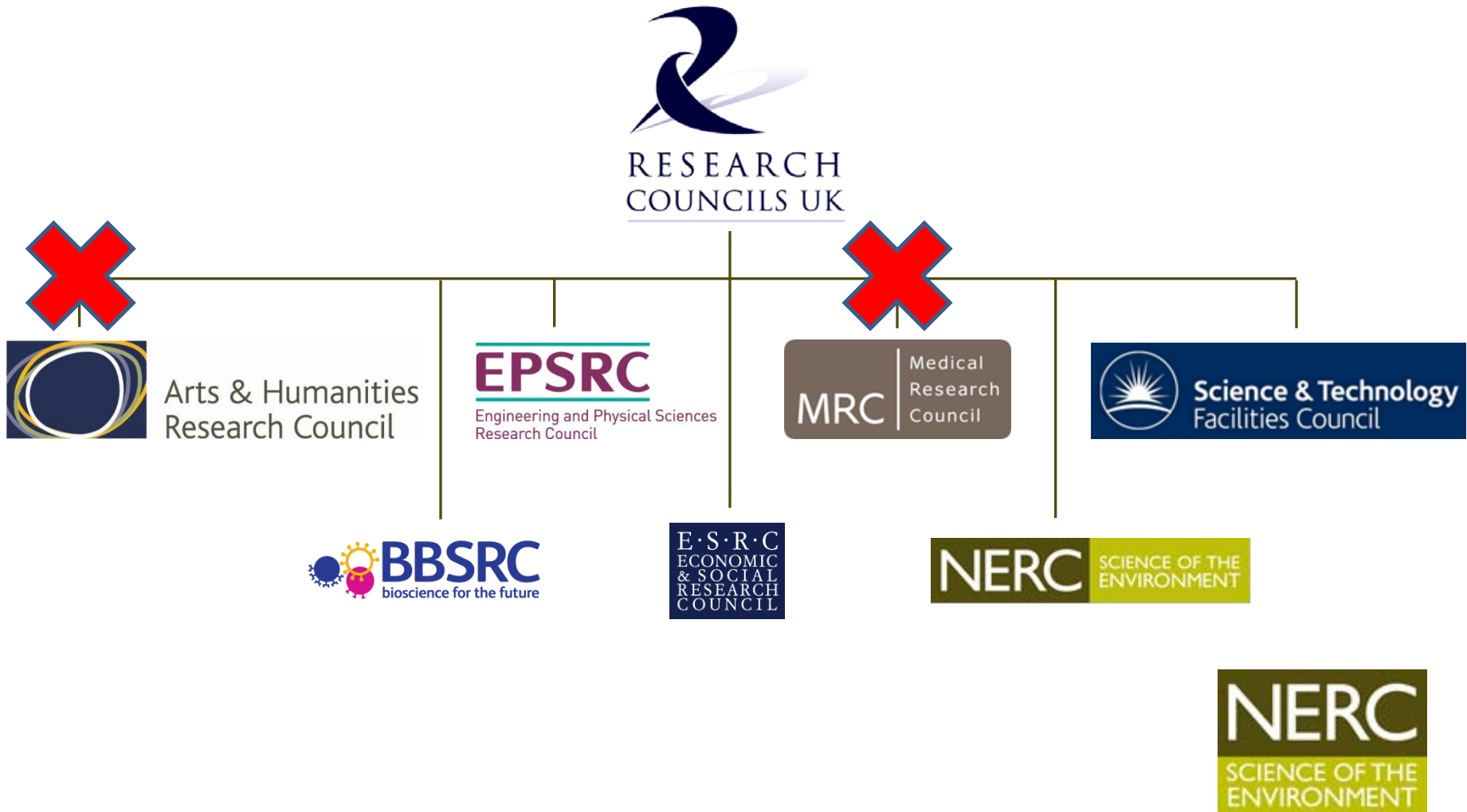
Making vulnerable people, infrastructure and business more resilient to environmental hazards and emergencies



Managing Environmental Change

Making informed choices about our impacts on the environment and how we respond to environmental change

RCUK Energy Programme



UKERC UK Energy Research Centre

- Leadership in energy research
- Co-ordinating a network of environmental, engineering, economic and social scientists
- Acting as the "hub" of a National Energy Research Network
- Centre of research excellence in its own right
- Undertake an interdisciplinary programme of research – “Whole Systems Energy Research”

EPSRC

Engineering and Physical Sciences
Research Council

E·S·R·C
ECONOMIC
& SOCIAL
RESEARCH
COUNCIL

NERC
SCIENCE OF THE
ENVIRONMENT



Valuing Nature Network & Programme

- Articulate the challenge of valuing the contribution that the stock of natural capital and the flow of ecosystem services makes to human well-being, and developing meaningful methods of valuation
- Identify and develop the underpinning socio-ecological system knowledge that will enable robust monetary and non-monetary valuation to be achieved



Agenda






Day 1: Monday 21st July

10:00	Registration Tea and Coffee available	
11:00	Welcome and Introduction	Chris Franklin
11:15	UK Energy Research Centre - RCUK Energy Programme/ UKERC - UKERC Hub	Eloise Meller Jim Watson
11:45	Valuing Nature - Valuing Nature Network - Valuing Nature Programme	Ruth Welters Simon Kerley
12:15	ESRC Nexus Network	Ruth Welters
12:30	Science Plan	Jim Skea
13:00	Question and Answer Session	All
13:15	Networking lunch	
14:15	Introduction (who, what, why) – ‘speed dating’	All
15:45	Tea and Coffee	
16:15	Announcement of Opportunity	Michelle Truman
16:30	Facilitated ‘Table Cloth Ideas’ exercise #1	Groups
18:00	Report back	Rapporteurs
18:50	Stakeholder engagement - RSPB	Adam Dutton
19:00	Dinner	All
21:00	‘Market Place’ exercise	All



Agenda

Day 2: Tuesday 22nd July



08:30	Rapporteurs report back from 'Market Place' exercise	Rapporteurs
9:00	Stakeholder engagement talks – 10 mins plus 5 mins Q&A Marine Management Organisation Met Office Natural England, Ofgem	Sam Burgess Andy Wiltshire Tim Sunderland Emma Powell
10:00	Facilitated 'Ideas Consolidation' exercise #2	Groups
12:00	Facilitation of ideas for the web (Reporting/agreeing proforma text for website)	All
13:00	Lunch	
14:00	'Free-Form'	All
15:00	Finish	

Please note: Delegates can remain in the conference venue and use the facilities until 5 p.m. on the 22nd July. Delegates must check out of their rooms by 10:00 on the morning of the 22nd



STOP!





Valuing Natural Capital in Low Carbon Energy Pathways: four research goals

1. To characterise the impact pathways of specific energy chains and energy infrastructure development in the UK's marine, aquatic, coastal margin and terrestrial environments under a range of decarbonisation scenarios.
2. To understand how different means of sourcing energy from outside the UK would impact ecosystem services from a global perspective and to identify options for managing these impacts.
3. To understand the cumulative and indirect effects of energy technologies/infrastructure over time on the full range of ecosystems services – underpinning, regulating, cultural and provisioning, addressing both economic and non-economic values.
4. To understand better the nexus between energy, land and water and the trade-offs and synergies associated with different patterns of energy development.



END

