



LOW CARBON, ENERGY & ENVIRONMENT
RESEARCH NETWORK WALES RHYWDWALTH YMCHWIL
CARBON ISEL, YNNI A'R AMGYLCHEDD CYMRU

Exploring Resilience 18 May 2016, SSE Swalec, Cardiff



Royal Society of
Biology

08.30-09:30 Arrival, registration, coffee/tea

09.30-09.45 Welcome, Prof David Thomas (NRN-LCEE) & Dr Mark Downs (RSB)

Session 1 – Resilient societies

9.45-10.10 **Dr Albert Norström, Programme on Ecosystem Change and Society, Stockholm Resilience Centre**

Social-ecological systems and resilience in the Anthropocene

10.10-10.35 **Prof Ioan Fazey, Centre for Environmental Change and Human Resilience, University of Dundee**

Society, resilience and transformation

10.35-11.10 Coffee/tea

Session 2 – Resilient energy & food production systems

11.10-11.35 **Dr Ruth Wood, Tyndall Centre for Climate Change Research, University of Manchester**

Resilient energy systems: challenges from both the mitigation and impacts of climate change

11.35-12.00 **Dr Jun Zang, Research Unit for Water, Environment and Infrastructure Resilience, University of Bath**

Towards sustainable and resilient infrastructure on the coast and in the sea

12.00-12.25 **Dr Dave Abson, Faculty of Sustainability, Leuphana University**

Sustainable intensification and agro-ecological resilience

12.25-13.30 Lunch

Session 3 – Resilient communities and the built environment

13.30-13.55 **Prof Dilanthi Amaratunga, Global Disaster Resilience Centre, University of Huddersfield**

Developing a resilient built environment

13.55-14.20 **Prof Rajat Gupta, Oxford Institute for Sustainable Development, Oxford Brookes University**

Building resilience against overheating in housing and care homes

14.20-14.45 **Dr Catherine Butler, College of Life and Environmental Sciences, University of Exeter**

Understanding community resilience in climate mitigation and adaptation

14.45-15.15 Coffee/tea

Session 4 – Environmental resilience to impacts of climate change and human activities

15.15-15.40 **Prof Elizabeth Wellington, Warwick Environmental Systems Interdisciplinary Centre, University of Warwick**

Resilience in the environmental microbial community to the spread of pathogens and antimicrobial resistance

15.40-16.05 **Dr Andrew Gill, School of Energy, Cranfield University**

A new dawn of human activity in the marine environment: implications for marine ecosystem resilience

16.05-16.30 **Prof Volker Grimm, Department for Ecological Modelling, Helmholtz Centre for Environmental Research - UFZ, Leipzig**

Observing, understanding, and utilizing resilience mechanisms of ecological systems

16.30 Closing remarks