

Walker Institute Research Day, Thursday 15th July 2010

Harborne LT, Biological Sciences

AGENDA (9:30 – 15:00)

9:30 - Walker Institute core team

Welcome, Director's Brief, our role Nigel Arnell, Maria Noguera, Kathy Maskell, Julie Genney

10:00 – Related University initiatives

Technologies for Sustainable Built Environments (TSBE) Centre	Jenny Berger	School CME
Centre for Food security	Richard Tiffin	School APD
Henley Centre for Sustainable Enterprise	Steve Downing	Henley Business School
Knowledge Transfer Partnership	Susan Matos	Research and Enterprise

10:20 - Session 1: Understanding the climate system

Climate system processes

Atmospheric Science in ESSC/NCEO	Richard Allan	ESSC/NCEO
Water cycle, clouds and climate	Richard Allan	School MMP
Atmospheric chemistry	Christian Pfrang	School CFBP
Aerosols and climate	Bethan Harris	School MMP

COFFEE (10.40 – 11.00)

Terrestrial science in ESSC/NCEO	Mel Sandells	ESSC/NCEO
Earth System Science – soils	Mark Hodson	School HES
Land/atmosphere interactions	Anne Verhoef	School HES
Glacier change	Maria Shahgedanova	School HES
Permafrost	Steve Gurney	School HES

Climate change and variability

Water, Life & Civilisation – Paleoclimate	Stuart Black	School HES
Environmental and human responses to Holocene rapid climate change	Nick Branch	School HES
Dynamical processes	John Methven	School MMP
Climate dynamics	Valerio Lucarini	School MMP
Ocean dynamics	Remi Tailleux	School MMP
Tropical climate	Andy Turner	NCAS-Climate
African climate	Charlie Williams	School MMP
Understanding African rainfall	Ros Cornforth	School MMP
Sea level rise	Jonathan Gregory	School MMP

Climate modelling

High resolution modelling	Pier Luigi Vidale	NCAS-Climate
Earth System Modelling	Manoj Joshi	NCAS-Climate

LUNCH (12.30 – 13.15)

13:15 - Session 2: Improving predictions of climate

Seasonal and decadal prediction

Earth observation for decadal forecasting	Nicola Howe	NCEO
---	-------------	------

Extremes/hazardous weather

Adaptation and the business community	Ben Lloyd-Hughes	School MMP
Weather/climate risk and insurance	Jane Strachan	NCAS-Climate

13:30 - Session 3: Impacts and consequences

Biodiversity

Animal ecology & conservation	Phil Baker	School BS
Plant biodiversity	Jane Taylor	School BS

Urban environment

Plants in the urban environment	Jane Taylor	School BS
Modelling urban environment	Erdal Turkbeyler	School CME

Human and organisational behaviour

Human behavioural responses to climate change	Rachel McCloy	Psychology
Sustainable innovation	Libby Schweber	School CME

Water

Aquatic environments	Andrew Wade	School HES
Water resources	Nigel Arnell	School MMP

Food and feed

African rainfall monitoring and agriculture	David Grimes	School MMP
Crops and climate	Tom Osborne	School APD
Cereal crops	Mike Gooding	School APD
Crops/environment interactions	Hannah Jones	School APD
Crop security/disease/pests	Maria Noguier for Michael Shaw	School BS
Animal health/ greenhouse gases	Irene Mueller-Harvey	School APD

Health

Health and climate change	Simon Gosling	School MMP
---------------------------	---------------	------------

Power generation/energy systems

Renewable energy	Phil Coker	School CME
Ground source heat pumps	Anne Verhoef	School HES

14:45 - Session 4: Underpinning expertise

Applied statistics	Maria Noguier for Fiona Underwood	School BS
Understanding remotely sensed images	Hong Wei	School SE