

# Walker Institute Research Day, Friday 10<sup>th</sup> July      Agriculture Building, Rm 1L08

## 10.00 Walker Institute core team

Welcome, our role

Nigel Arnell, Maria Noguera, Kathy Maskell, Julie Genney

## 10.15 Session 1: Understanding the climate system

### Climate modelling/prediction

High resolution modelling	Len Shaffrey	NCAS-Climate
Earth System modelling	Manoj Joshi	NCAS-Climate

### Climate system processes

Atmospheric chemistry	Christian Pfrang	School CFBP
Aerosols	Bethan Harris	School MMP
Water cycle and climate feedbacks	Richard Allan	NCEO
Landscape and climate	Maria Shahgedanova	School HES
Soils and environmental systems	Anne Verhoef	School HES

### Climate change and variability

Atmospheric dynamics	John Methven	School MMP
Ocean dynamics	Remi Tailleux	School MMP
Stratosphere and climate	Andrew Charlton-Perez	School MMP
European climate	Tim Woollings	School MMP
Tropical climate	Andy Turner	NCAS-Climate
African rainfall	David Grimes	School MMP

## 11.40 Session 2: Improving predictions of climate

### Seasonal and decadal prediction

Ocean data for decadal forecasting	Keith Haines	NCEO
Decadal forecasting	Ed Hawkins	NCAS-Climate

### Extremes/hazardous weather

Extremes and the business community	Ben Lloyd-Hughes	School MMP
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## 12.00 - 13.00 LUNCH in 1L04

## 13.00 Session 3: Impacts and consequences

### Biodiversity

CAER	Simon Potts	School APD
Plant biodiversity	Alastair Culham	School BS

### Urban environment

Sustainability in the built environment	Runming Yao	School CME
Urban meteorology	Janet Barlow	School MMP

### Human behaviour

Adaptation/transformation	Henny Osbhar	School APD
Economics/human behaviour	Maria Plotnikova	Business School

### Water

Aquatic environments	Attila Lazar	School HES
Water, life and civilisation	David Brayshaw	School MMP
Water resources	Simon Gosling	School MMP

### Food and feed

Crops and climate	Tom Osborne	School APD
Animal health/ greenhouse gases	Irene Mueller-Harvey	School APD

## 13.55 Session 4: Underpinning expertise

Applied statistics	Fiona Underwood	School BS
NCEO @ Reading	Andy Shaw	NCEO

## 14.15 – 14.30 TEA/COFFEE in 1L04