

Programme WUN-ACE Kick-Off Meeting 15th – 18th May 2005

Sunday 15th May

19.00 Welcome Reception and Buffet, Bristol City Museum

Monday 16th May

09.00 Introduction, Peel Lecture Theatre

Malcolm Anderson (Head of Geographical Sciences, University of Bristol)

Sandy Harrison (WUN-ACE Coordinator)

FOCUS on Climate-Biosphere Interactions, Peel Lecture Theatre

09.30 Introduction to the Focus - **Colin Prentice** (University of Bristol)

09.55 The WUN-ACE palaeovegetation initiative: high-latitude vegetation response to climate change – **Mary Edwards** (University of Southampton)

10.20 Palaeovegetation Mapping in North America – **John W. Williams** (University of Wisconsin – Madison)

10.45 Tea/Coffee, Room G.1S

FOCUS on Climate-Biosphere Interactions continued, Peel Lecture Theatre

11.15 Tertiary palaeoclimates of the Arctic from fossil plants – **Jane Francis** (University of Leeds)

11.40 Discussion of the Climate-Biosphere Interactions Focus – chaired by **Colin Prentice**

12.15 Lunch, Room G.1S

FOCUS on Land-Ocean Interactions, Peel Lecture Theatre

13.15 Introduction to the Focus - **Grant Bigg** (University of Sheffield)

13.40 Freshwater Initiative – **Grant Bigg** (University of Sheffield)

14.05 Proposal for PMIP2/1ACE Palaeo-hosing Model Intercomparison Project (PhMIP) – **Michael Schlesinger** (University of Illinois, Urbana-Champaign)

14.30 Discussion of the Land-Ocean Interactions Focus – chaired by **Grant Bigg**

14.55 Tea/Coffee

15.20 Breakout groups:

a) Climate-Biosphere Interactions, New Seminar Room

b) Land-Ocean Interactions, Room G.1S

17.20 Break

18.00 Boat trip and evening meal

Departing from the Waterfront promptly at 18.00

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Tuesday 17th May

FOCUS on Climate-Chemistry Interactions, Peel Lecture Theatre

- 09.00 The WUN-ACE Research Stream on Climate-Chemistry Interactions - **Don Wuebbles** (University of Illinois, Urbana-Champaign)
- 09.25 Dynamical and Chemical Control of Arctic Total Column Ozone – **Martyn Chipperfield** (University of Leeds)
- 09.50 Intelligent UAVs in Climate and Atmospheric Chemistry Research – **Constantinos Soutis** (University of Sheffield)
- 10.15 Chemistry of the Antarctic Boundary Layer and the Interface with Snow (CHABLIS) – **Dwayne Heard** (University of Leeds)

10.40 Tea/Coffee, Room G.1S

FOCUS on Climate-Chemistry Interactions, Peel Lecture Theatre

- 11.10 Global Snow Biogeochemistry Fast-Track Initiative – **Paul Valdes** (University of Bristol)
- 11.35 LGM trace gas record initiative – **Sandy Harrison** (University of Bristol)
- 12.00 Discussion of the Climate-Chemistry Interactions Focus – chaired by **Don Wuebbles**

12.30 Lunch, Room G.1S

FOCUS on Climates and Environments of Deep Time, Peel Lecture Theatre

- 13.30 Towards Palaeo-ACE (*pACE*) - **Henk Brinkhuis** (Utrecht University)
- 13.55 From Greenhouse to Icehouse: Marine and Terrestrial Palynological Evidence for Climatic and Oceanic Change Through the Cenozoic of the Arctic – **Jonathan Bujak** (Bujak Research International)
- 14.20 Palaeogene pollen floras from the Canadian Arctic - **Guy Harrington** (University of Birmingham)

14.45 Tea/Coffee, Room G.1S

FOCUS on Climates and Environments of Deep Time contd., Peel Lecture Theatre

- 15.15 The Transition from Greenhouse to Icehouse: Palaeosols and Palaeoclimate Modeling of the Palaeocene Arctic – **Tim White** (Pennsylvania State University)
- 15.40 Modelling Arctic climates during the Eocene – **Paul Valdes** (University of Bristol)
- 16.05 ACEX: first ever Arctic Drilling! – **Henk Brinkhuis**
- 16.30 Discussion of the Deep Time Focus – chaired by **Henk Brinkhuis**

17.00 Break

19.30 Evening meal, Clifton Pavilion at Bristol Zoo Gardens
You are welcome to look around the zoo until it gets dark

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Wednesday 18th May

FOCUS on Climate-Cryosphere Interactions, Peel Lecture Theatre

- 09.00 Introduction to the Focus - **Anthony Payne** (University of Bristol)
- 09.20 The role of the cryosphere in modulating the thermohaline circulation of the Atlantic – **Jonathan Bamber** (University of Bristol)
- 09.45 A palaeo challenge for Earth System Modelling: results from the Academy workshop on Early Holocene Climate Oscillations – **Wim Hoek** (Utrecht University)

10.00 Tea/Coffee, Room G.1S

10.30 Breakout groups:

- a) Climate Chemistry Interactions, New Seminar Room
- b) Deep Time, Peel Lecture Theatre
- c) Climate-Cryosphere Interactions, Room G.1S

12.30 Lunch, Room G.1S

FOCUS on Earth System Modelling, Peel Lecture Theatre

- 13.30 Introduction to Focus - **Sandy Harrison** (University of Bristol)
- 13.45 Improving GCM Simulations of Arctic Clouds – **Steve Vavrus** (University of Wisconsin, Madison)
- 14.10 Representing interactions between snow, vegetation and the atmosphere in large scale models – **Richard Essery** (University of Aberystwyth)
- 14.35 Modelling atmospheric chemistry – **Ivar Isaksen** (University of Oslo)
- 15.00 Future directions in land-surface modelling in the context of the Hadley Centre model – **Richard Betts** (Met Office)

15.30 Tea/Coffee, Room G.1S

16.00 Presentations from Breakout Groups, Peel Lecture Theatre

- Climate-Biosphere Interactions
- Land-Ocean Interactions
- Climate-Chemistry Interactions
- Climates and Environments of Deep Time
- Climate-Cryosphere Interactions

16.30 Plans for the Future: Funding for WUN-ACE (a discussion focusing on the specifics of the science plan and on funding for the initiative) – chaired by **Sandy Harrison** (WUN-ACE Coordinator)

17.30 Departure
