

PAGES South American Paleoscience Symposium

22 – 23 January 2015

Program

Talks 15 minutes, followed by 5 minutes discussion

DAY 1

22 January 2015

9:00-17:30

Session 1: Coordinated Global Change science

9:00-9:20

Claudio Latorre - Welcome

9:20-9:40

Maisa Rojas - The Chilean (paleo)climate program

9:40-10:00

Holm Thiessen - Inter-American Institute for Global Change Research (TBC)

10:00-10:20

Ninad Bondre (IGBP) - Transitioning Earth-system science from IGBP to Future Earth

10:20-10:40

David Carlson (WCRP) - Grand challenges in climate science across timescales

COFFEE 10:40-11:20

11:20-11:40

Thorsten Kiefer (PAGES) - PAGES science structure in transition

Session 2: Climate System Dynamics

11:40-12:00

René Garreaud (Santiago de Chile) - Climate dynamics in South America

12:00-12:20

Pascale Braconnot (CEA-CNRS, France)* - Climate modeling across timescales

12:20-12:40

Rosemary Vieira (UFF, Brazil) - Past changes in the cryosphere

12:40-13:00

Claudio Bravo Lechuga, CECs Valdivia, Chile - Modeled equilibrium line altitude for mid-latitude glaciers in the southern hemisphere

LUNCH 13:00-14:30

14:30-14:50

Darrell Kaufman (Northern Arizona University, USA)* - Regional climate variability over the last 2000 years

14:50-15:10

Ignacio Mundo (IANIGLA, Mendoza, Argentina) - Tree-ring and multi-proxy paleoclimate evidence: the South American contribution to PAGES2k

15:10-15:30

Heitor Evangelista (Rio de Janeiro, Brazil) - Climate variability in the South Atlantic during the last two millennia

15:30-15:50

Hugues Goosse (Université catholique de Louvain, Belgium)* - Estimating trends in Antarctic sea ice extent over the last centuries

COFFEE 15:50-16:30

Session 3: Earth System - Human Interaction

16:30-16:50

Peter Gell (Federation University Australia)* - Aquatic transitions in response to climatic change and human impact

16:50-17:10

Janet Wilmshurst (Landcare Research, New Zealand)* - Recent vegetation change in the subantarctic: a response to human impact or climate change?

17:10-17:30

Hubertus Fischer (U. Bern, Switzerland)* - Was there an early human impact on biogeochemical cycles?

17:30-18:00

Drinks

18:00 End of Day 1

DAY 2

22 January 2015

9:00-17:00

Session 4: Biogeosphere and Ecosystem Dynamics

9:00-9:20

Sheri Fritz (University of Nebraska, USA)* - Climatic and ecological dynamics in the Neotropics

9:20-9:40

Catalina González (U. de los Andes, Bogotá) - Coastal ecosystems as indicators of climate change in the Neotropics

9:40-10:00

Claudio Latorre (Pontificia Universidad Catolica de Chile)* - Paleoecology of arid environments

10:00-10:20

Ricardo De Pol Holz (Concepcion, Chile) - Improving the Radiocarbon toolbox on relevant paleoclimate studies of the Southern Hemisphere

10:20-10:40

Dharma Reyes Macaya (U. of Concepcion, Chile) - Changes in ocean circulation in the Southeast Pacific from the LGM to the Holocene

COFFEE 10:40-11:20

11:20-11:40

Denis-Didier Rousseau (Ecole Normale Supérieure, Paris, France)* - Abrupt change in glacial dustiness

11:40-12:00

Fabrice Lambert (U. Chile, Santiago) - The role of dust as a climate agent

12:00-12:20

Blas Valero (Pyrenean Institute of Ecology, Spain)* - Lake dynamics in response to climate and human activity

LUNCH 12:20-13:50

Session 5: PAGES envisioned integrated activities

13:50-14:10

Alan Mix (Oregon State University, USA)* - The Holocene and other warm world scenarios

14:10-14:30

Thorsten Kiefer (Bern University, Switzerland)* - Extreme climatic events: a new Future Earth cluster initiative

14:30-14:50

Chris Turney (University of New South Wales, Australia)* - Abruptness, rapid change, tipping points and non-linearities in the Earth system

14:50-15:10

Michal Kucera (University of Bremen, Germany)* - Paleoclimate data syntheses: challenges and opportunities

COFFEE 15:10-15:50

Session 6: Outreach

15:50-16:10

Leonie Goodwin (PAGES) - Delivering science information to scientists and other users

16:10-16:30

Ninad Bondre (IGBP) - Communicating PAGES science beyond PAGES

16:30-17:00

Discussion on science opportunities for South America and for PAGES

17:30 End of Symposium