

2nd CRIAS Workshop: Integrating Documentary Evidence into Climate Reconstruction and Impact Studies

October 7–8, 2019
GWZO, Specks Hof, Reichsstr. 4–6, 04179 Leipzig

Monday, October 7, 2019

13:00–13:15

Bauch, Martin / Huhtamaa, Heli / Valero Garces, Blas:
Welcome and Introduction on behalf of CRIAS and PAGES

Asia

13:15–13:30

Liu, Yang: Reconstruction of spring phenology and analysis of extreme phenophase delays with natural forces, between AD 1741 and AD 2000 in Beijing

13:35–13:50

Bhattacharya, Atreyee: Accounting for climate variability in understanding societal outcomes

13:55–14:10

Liu, Yachen: Phenological and Temperature Changes Reconstructed by the Phenological Records in Poems of the Tang and Song Dynasties(618–1260 AD) in China

14:10 Coffee break

Africa

14:30–14:45

Adamson, George: Examining reconstruction reliability in documentary climate reconstruction

14:50–15:05

Grab, Stefan: Constructing the southern hemisphere's longest daily weather chronology - Cape of Good Hope (Cape Town), South Africa: 1654present

15:10–15:25

Ombati, Mokuu: Reconstruction of Historically Extreme Climatic Episodes in Africa through Rituals

15:30 Coffee break

Europe

16:00–16:15

Brázdil, Rudolf: Extreme drought of 1842 in Europe as described by documentary data and instrumental measurements

16:20–16:35

Kiss, Andrea: Beyond the bridgemasters' accounts: Winters, weather extremes, Danube high and low flows in the Pressburg accounts

16:40–16:55

Olinski, Piotr: Severe winters in the south Baltic zone in the 15th century

17:00–17:15

Pribyl, Kathleen: Climate variability and the grain trade, East Anglia 1400-1440

18:30

Williamson, Fiona (Keynote)

Historical Climate Data Recovery and Humanities Research in China and Southeast Asia: the international ACRE initiative and beyond

19:30

Working Dinner with discussion

Tuesday, October 8, 2019

Global

9:30–10:00

Brönnimann, Stefan (Keynote)

A global inventory of pre-1850 instrumental meteorological records

10:15–10:30

Burgdorf, Angela-Maria: Unveiling climate history since the 14th century by means of historical documentary evidence: A preliminary global inventory

10:35–10:50

Gergis, Joelle: Recent advances in historical climatology from Australia (via Skype)

10:55 Coffeebreak

Methodologies

11:15–11:30

Nash, David: The use of indices in historical climate reconstruction – a review of global practice

11:35–11:50

Maughan, Nicolas: Respective Role of Textual and Natural Archives in Writing a Climate History of Mediterranean France: Current Knowledge and Future Directions (1200 – 1950 AD)

11:55–12:10

Kuanhui Elaine Lin: Experiments on the reconstruction methods and calibration of the climate series derived from REACHES historical database of China in 1644-1911

12:15–12:30

Sam White / Chantal Camenisch / Qing Pei: Bayesian approach and its application on existing data

12:35–12:50

Martin Bauch / Annabell Engel: Digital humanities methods in climate history: Text corpus analysis and Hand-written Text Recognition

13:00 Lunch break

14:00–14:30

Breakout groups

- Weathered History: Potential of the Virtual Exhibition
- Early instrumental records and possibility of calibration to Chinese historical sources
- International comparisons of methods and indices

14:30–14:45

Results of Breakout groups

14:45–15:00

Adam Izdebksi / CRIAS Steering committee

Final remarks

Concept

Dr. Martin Bauch (GWZO, Department "Mann and Environment", VW Freigeist Fellowship »Dantean Anomaly«), martin.bauch@leibniz-gwzo.de

Organization

Ines Rößler (GWZO, Department "Knowledge Transfer and Networking"), ines.roessler@leibniz-gwzo.de

Generously funded by

