

Dear 2kers

After the considerable effort put into writing and submitting our 2k-consortium paper we've all had a well earned break. It is now time to initiate the second phase of the project!

In this circular we'd like to inform you about the status and future planning of the 2k project, including the upcoming 2k meeting in Goa (12 February 2013). Furthermore you will find useful information on future 2k-related meetings and financial support for meetings.

This mail is sent to all 2k members as listed in section 5 of this circular and in the "2kEmailAddress.xlsx" file on the 2k Dropbox folder. To keep this mailing list up-to-date, the group leaders are requested to notify Lucien von Gunten of any change in the group composition. Feel free to forward this circular to Working Group corresponding members and interested colleagues.

Heinz Wanner (heinz.wanner@oeschger.unibe.ch)

Chris Turney (c.turney@unsw.edu.au)

Lucien von Gunten (lucien.vongunten@pages.unibe.ch)

Thorsten Kiefer (thorsten.kiefer@pages.unibe.ch)

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1 - The PAGES 2k initiative – where are we, and where are we going?

Thanks to the preparation of our 2k consortium paper, PAGES 2k has acquired considerable momentum. Several regional groups processed new time series and compiled new reconstructions. Our 2k-consortium paper "Continental-scale temperature variability over the Common Era" was submitted on 30th July. Unfortunately, a few days ago, we received a rejection decision from *Science*. The writing team is currently assessing the best way to proceed and will inform on the re-submission strategy.

The following second phase of PAGES 2k will focus on

- preparing temperature field reconstructions,
- reconstructing precipitation
- as far as possible, reconstructing dominant circulation patterns and modes of the climate system,
- and comparing the reconstructions with model simulations.

To lead the 2k-project in this ambitious second phase, additional 2k-members had been asked to support Heinz Wanner and Chris Turney in their function as co-coordinators. The expanded team as listed below will act as an advisory board for the 2k project and will be responsible to coordinate the global synthesis products. The regional teams will of course remain in charge of the regional reconstructions.

Expanded PAGES2k coordination team:

Heinz Wanner (2k co-coordinator)

Chris Turney (2k co-coordinator)

Hughes Goose (Ocean2k member, modeling)

Mike Evans (leader Ocean2k, statistics)

Darrell Kaufman (member NAM2k and Arctic2k, proxies)

with support from the PAGES IPO.

As discussed in previous meetings, the final goal of the 2k-project will be to produce a comprehensive special issue of a highly ranked journal, possibly following its publication as a book. This final product could be introduced by a description of the 2k project and its goals, followed by regional chapters, and concluded by a global overview, including reconstruction and model data.

Possible intermediate steps and timeline:

- Mid-2013: Temperature field reconstructions by regional groups
- Late 2014: Precipitation field reconstructions by regional groups (for Ocean2k maybe ocean circulation?)
- Early 2014: Review of reconstruction methods by global reconstruction team
- Mid-2014: Reconstructions of T and P patterns at the global and hemispherical scale by global reconstruction team
- Late 2014 Data/Model comparison by data-model team
- 2015: Final synthesis special issue/book

The concept and timeline will be discussed at the 2k meeting in Goa (see section 2).

2 – PAGES 2k meeting in Goa

The next PAGES 2k workshop will be held on 12 February, one day before the PAGES Open Science Meeting 2013 in Goa, India, at the Cidade de Goa, i.e. the same venue as the OSM. The detailed meeting program and logistic information will be sent to all 2k members in time.

The goal of this meeting is to implement the next phase of the 2k project and to discuss the strategy for producing the global synthesis (see program draft below). Regional groups are asked to appoint a member to shortly (12 minute report and 3 minutes for discussion) report on their activities. We also hope the regional groups will be able to present first concepts or results concerning their precipitation reconstructions and temperature field reconstructions.

Preliminary program:

- *Welcome, organization of the workshop*
- *Overview of the 2k initiative (what has been done, what is planned)*
- *Short (12+3 min) reviews by all regional groups*
- *Discussion on the 2k final synthesis*
 - o *General structure*
 - o *Reconstruction methodology*
 - o *Regional overviews¹*
 - o *Global Synthesis²*
 - o *Choice of a suitable publication outlet*
- *Future activities, schedule*

¹*Structure of regional overview chapter*

- *Introduction*
- *Data and methods*
- *Temperature (time series, spatial analyses)*
- *Precipitation (time series, spatial analyses)*
- *Other (e.g. circulation types)*
- *Dynamic interpretation, including model-data comparison*
- *Conclusions*
- *References*

² *Structure of global synthesis chapter*

- *Structure similar to regional chapters, but with modeling integrated in the final discussion.*

3 – NOAA 2k database

PAGES 2k now has a dedicated project website on the NOAA Paleoclimatology website! www.ncdc.noaa.gov/paleo/paleo.html

Each regional group has its own subpage that is being populated by data managers with all the records collected during the 2k project.

Note that the 2k-database will contain all *data of interest* to the regional 2k groups, i.e. all data used for published 2k reconstructions, but also other data that fulfill the quality criteria of the regional groups (even if they were eventually not used for 2k publications). A link to the subset of data used for the consortium paper (and subsequent papers) will be added once the paper is accepted for publication.

The regional groups are requested to check their respective regional records and if necessary update them, especially the description text. Please send your updates directly to Wendy Gross (Wendy.Gross@noaa.gov) who is in charge of the 2k project at NOAA.

4 – PAGES 2k Calendar

AGU, San Francisco (USA), 3-7 December 2012

2k-related session “The Climate of the Common Era”

<http://fallmeeting.agu.org/2012/session-search/single/the-climate-of-the-common-era/>

PAGES Open Science Meeting (OSM), Goa (India), 13-16 February 2013

2k-session “Regional Climate Variability Over the Last 2000 Years”

<http://www.pages-osm.org/osm/program/sessions/568-osm02>

EGU, Vienna (Austria), 7-13 April 2013

In the “Climate: Past, Present, Future” Program group, some sessions are of interest for the 2k members:

<http://meetingorganizer.copernicus.org/EGU2013/provisionalprogramme/CL>

More meetings here:

<http://www.pages.unibe.ch/calendar/upcoming>

5) Membership of the regional 2k Groups

Organizational structure of the regional group members:




a) Group Leaders (GL): The GL coordinate the work of their group. They submit funding proposals and organize regional group workshops. They represent their group at the PAGES 2k Network workshops.

b) Group Members (GM): GMs participate in the work of the group. They help to process data and contribute to publications. If required, they can be invited to replace a GL at a PAGES 2k Network workshop.

c) Data Managers (DM): DM’s administer the regional proxy datasets. They coordinate the collection, quality assessment and archiving of the proxy data records.

d) Corresponding members (CM): CMs are invited to attend regional workshops. They contribute to the scientific 2k process in an ad hoc way and are not listed in the

following table. The comprehensive list of all Corresponding Members can be found online on the respective 2k groups' webpages.

REGIONAL GROUP	GROUP LEADERS (GL)	GROUP MEMBERS (GM)	DATA MANAGER
 AFRICA2K	D. Nash	A. Asrat, S. Grab, A-M. Leziné, S. Nicholson, T. Shanahan, D. Verschuren	B. Chase
 AUS2K	J. Gergis	A. Lorrey, S. Phipps	R. Neukom
 ASIA2K	T. Nakatsuka	K. Anchukaitis, H. Bargaonkar, B. Buckley, E. Cook, S. Feng, Q. Ge, P. Krusic, J. Palmer, O. Solomina	M. Sano
 ARCTIC2K	A. Korhola	D. Kaufman, F. Charpentier Ljungqvist	S. Hanhijärvi
 ANTARCTICA 2K	T. van Ommen	H. Fischer, D. Hodgson, V. Masson-Delmotte, L. Thomas, B. Vinther	M. Curran
 EURO-AED2K	J. Luterbacher	U. Büntgen, J. Esper, D. McCarroll, F. Gonzalez-Rouco, F. Ljungqvist, J. Werner, E. Zorita	S. Wagner
 LOTRED-SA	M. Grosjean, R. Villalba	D. Christie, A. Lara, M. Masiokas, M. Morales, R. Neukom, M. del Rosario Prieto, A. Rivera	I. Mundo
 NAM2K	H. Diaz	S. Anderson, R. Campbell, E. Cook, N. Graham, M. Hughes, D. Kaufman, B. Luckman, D. Meko, G. Pederson, D. Stahle, S. St. George, V. Trouet	E. Wahl, A. Viau
 OCEAN2K	M. Evans	C. Giry, H. Goosse, G. Leduc, B. Martrat, H. McGregor, D. Oppo, J. Tierney, H. Wu	T. Kiefer

The group leaders are asked to report changes in the members list to the PAGES IPO.

6) Meeting support

Regional 2k groups seeking support for meetings can submit a proposal to PAGES (visit [MyPAGES>Meeting Support](#)). The next deadline for proposal submission is 10 January 2013, the one after that will be sometime in early fall 2013.