

Dear 2kers

Circular 6 intends to inform about the goals of our project and to present the related timeline. We also report on the progress of the data management group and present news from the regional working groups.

This mail is sent to all 2k members as listed in section 6 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 structure. Feel free to forward this circular to Working Group corresponding members and interested colleagues.

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1 - The PAGES 2k initiative – a short overview

The PAGES 2k Network pursues three main goals:

1. To elaborate *high-resolution proxy data sets* for seven continental areas of the globe, for the Arctic, and for the world ocean. The temporal resolution of the data should lie between sub-annual and decadal and, if possible, derive information for different seasons. The data series are to be stored at NOAA's World Data Center for Paleoclimatology. Data managers of all contributing teams guarantee for the contact with NOAA and a professional data transfer to their database (see section 4).
2. To elaborate a *PAGES 2k Consortium Paper* on global temperature reconstructions which can also serve as a basis for the IPCC 5AR (see section 2).
3. To work out a *PAGES 2k Network Synthesis Publication* (journal/book) including temperature and precipitation reconstructions covering the last 2000 years, providing the basis for the spatiotemporal analysis of the dominant circulation patterns and modes of the global climate system. A close collaboration is planned with the modeling community (see section 3).

2 - PAGES 2k Consortium Paper on temperature reconstructions: Procedure and schedule

As reported in Circular #5, a PAGES 2k Consortium Paper on temperature reconstruction will be elaborated by the entire 2k team and drafted by a writing team. A certain time pressure is given by the fact that we were encouraged to prepare this paper in time for potential use in IPCC AR5. The paper will be published in a high ranked scientific journal and authored by 2k members, i.e. group leaders, group members, and data managers, under the pseudonym "PAGES 2k Consortium".

The following steps are planned:

- Until January 31, 2012: Each regional team sends a first regional outline with curves of its 1-2 best regional temperature reconstructions and a short text explaining how the reconstructions were generated to the PAGES International Project Office (IPO) in Bern (lucien.vongunten@pages.unibe.ch). Please also add a list of the included time series and a map of the area covered by your reconstruction.
- Until April 20, 2012: Updates of this outline can be sent to the PAGES IPO.
- May 2012: A small writing team meets in Bern and works out a first draft of the 2k Consortium Paper. This draft is sent to all PAGES 2k members.
- Until June 20, 2012: PAGES 2k members comment on the paper draft.
- Until July 31, 2012: PAGES 2k Consortium Paper submitted to journal.
- After the review process the PAGES IPO will organize the revision, including an iterative discussion and the resubmission of the paper.

3 - PAGES 2k Synthesis Publication: Goals and schedule

The goal of the PAGES 2k initiative and network is to publish a comprehensive final product in form of scientific articles, written by the different regional groups and edited by the PAGES 2k Consortium. For that reason the activities in the second phase of the 2k initiative will be focused on the analysis and reconstruction of precipitation and dominant circulation patterns and modes of the climate system. The articles will be published in a special issue of a high ranked journal, possibly followed by their publication in the form of a book. This final publication will be introduced by a global overview on the global climate dynamics during the last 2000 years. In addition, the integration of significant model results is planned.

The following working steps are planned:

- 2012: Regional 2k working group meetings
- February 2013: 3rd PAGES 2k Network synthesis meeting in Goa (India)*
- December 2013: Submission of the articles for the final PAGES 2k publication
- 2014: Publication of 2k-synthesis journal/book

* The outline of the final synthesis will be sent out in form of a PAGES 2k Circular prior to the Goa meeting and discussed at this meeting. The meeting will be held in association with the 4th PAGES Open Science Meeting.

4 - Data manager meetings

The 2k data managers held the first part of their meeting on the 10th November as a telephone conference organized and led by G. Wahl and A. Shah at the NOAA World Data Center for Paleoclimatology in Boulder, USA. The goal of this meeting was to familiarize the data managers with the existing NOAA paleodatabase (ncdc.noaa.gov/paleo/paleo.html) and to discuss the best way to archive and import the 2k data series.

First, G. Wahl and A. Shah presented the structure, including potential and limitations of the existing NOAA paleodatabase. The main part of the discussion dealt with the category entries in the present NOAA database structure and on how those could be improved and complemented to best fit the data of the 2k groups. Another important topic was the format of a standardized input file. Finally, the data managers also discussed how to deal with the 2k datasets that are already at NOAA.

After this first round of discussions, the specialists from NOAA will update/modify the database and input file, and circulate them among the data managers. The next telephone conference will be held on the 15th December.

5 – News from our 2k Teams

Mohammed Umer passed away:

Very sad news comes from amidst the Africa2k group. Their co-leader Mohammed Umer from Addis Ababa, Ethiopia, died while on fieldwork with colleagues in Afar. We lost an excellent paleo-researcher, an ambassador for African science, and a dear colleague and friend. The PAGES IPO and SSC had sent condolences to his family and close colleagues on behalf of the PAGES community.

EGU PAGES-2k session:

The EuroMed2k group has initiated the EGU session “Reconstructing the climate of the last two millennia” (CL1-17/EG1). Conveners: J. Luterbacher, D. McCarroll, F- Gonzáles-Rouco, E. Zorita and L. von Gunten.

Contributions from the PAGES2k community are very welcomed! Abstract deadline is **17 January 2012**.

New Ocean2k group:

An Ocean2k group has formed under the leadership of Mike Evans, University of Maryland, and with active links to CLIVAR via the PAGES/CLIVAR Intersection. The first goal of Ocean2k is a metadatabase of Ocean2k-relevant proxy records and model output from publicly-accessible and citable sources, to be completed in January 2012, in time for contributing to the planned 2k Consortium paper. The second goal is a synthesis paper based on the metadatabase, to be submitted no later than July 2012. The paper should review the principal interpretable features in the data and simulations, discuss underlying mechanisms, identify uncertainties, and highlight areas for future research. Ocean2k currently operates without project meetings, but by using the Internet for regular communications, dividing up the work among members, and involving community volunteers.

www.pages-igbp.org/workinggroups/ocean2k

6) Membership of the regional 2k Groups



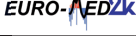


Organizational structure of the regional group members:

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, B. Chase, S. Grab, A-M. Leziné, S. Nicholson, T. Shanahan, D. Verschuren	B. Chase
 AUS2K	J. Gergis	A. Lorrey, S. Phipps	J. Gergis
 ASIA2K	T. Nakatsuka	H. Borgaonkar, B. Buckley, E. Cook, Q. Ge, J. Palmer, M. Sano, R. Shankar, O. Solomina, M-T Chen	M. Sano
 ARCTIC2K	A. Korhola	S. Hanhijärvi, P. Francus, D. Kaufman, D. Klitgaard-Kristensen, K. Kreutz	S. Hanhijärvi
 ANTARCTICA2K	T. van Ommen	M. Curran, H. Fischer, D. Hodgson, V. Masson-Delmotte, L. Thomas, B. Vinther	M. Curran
 EURO-MED2K	J. Luterbacher	D. McCarroll, F. Gonzalez-Rouco, B. Vinther, S. Wagner, E. Zorita	S. Wagner
 LOTRED-SA	M. Grosjean, R. Villalba	R. Neukom, I. Mundo	I. Mundo
 NAM2K	H. Diaz	S. Anderson, E. Cook, N. Graham, M. Hughes, D. Kaufman, B. Luckman, D. Meko, G. Pederson, D. Stahle, S. St. George, V. Trouet, A. Viau, E. Wahl	E. Wahl, A. Viau
 OCEAN2K	M. Evans	H. Goosse, E. Harrison, T. Kiefer, V. Masson-Delmotte, H. McGregor, D. Oppo	T. Kiefer

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

7) 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 1 March 2012**, with the subsequent call closing on 1 October 2012. For workshops that urgently require a funding decision to be made before the next funding call deadline, a “Fast-Track” option exists.