

Dear 2ker's,

It has been several months since the first 2k Circular and much has happened, so it is time for another update on the general 2k Network progress and each of the regional Working Groups. Feel free to forward this circular on to interested colleagues.

Lucien von Gunten will be the new point of contact for the 2k Working Groups. He replaces Louise Newman during her maternity leave.

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1) NEW FAST-TRACK FUNDING CHANNEL FOR IPCC-DRIVEN MEETINGS

At the recent PAGES Scientific Steering Committee (SSC) meeting in Nagoya, Japan (7-8 June 2010), the importance of 2k synthesis products for the upcoming IPCC AR5 was discussed with the result that the 2k groups are encouraged to push ahead with producing a first synthesis in time for AR5 (details under (2)).

To support this effort (and other urgent efforts) efficiently, PAGES SSC has decided to provide a “Fast-Track” workshop proposal option, which will enable urgent support decisions to be made between the usual biannual proposal deadlines.

To access all online forms for workshop support proposals, please visit: <http://www.pages-igbp.org/resources/support/index.html>

2) ANTICIPATED 2k NETWORK PRODUCTS

PAGES 2k synthesis book and meeting:

As decided during the Corvallis 2009 workshop, PAGES plans to produce a book (or a large special issue of a journal, or a combination of both) documenting the results of the global 2k Network. Considering that several groups only just started their activities with regional workshops, the timing towards this synthesis book aims for publication in 2014. To initiate the writing process a PAGES 2k Network synthesis meeting is planned for 2013.

PAGES 2k contribution to IPCC AR5 (best temperature reconstructions):

At the Corvallis 2009 workshop it was decided to not push for extensive contributions for the IPCC AR5. However, coordinating lead authors from chapter 5 of IPCC AR5 (“paleoclimate archives”) invited the 2k groups to publish first important results prior to the final synthesis. A suggestion is that all regional 2k teams contribute with a best temperature reconstruction of their area. This can be a time series (or a set of time series for different regions) or even a spatial reconstruction. However, it is acknowledged that several groups might not be able to present a reconstruction for the whole 2000 year period. We suggest publishing these time series in a joint article in a highly ranked scientific journal. Similar to EPICA, all co-authors would be listed under the heading “2k consortium”.

PAGES newsletter issue:

PAGES would love to publicize the 2k activities in the newsletter and offers to produce a special issue centered on a summarizing contribution from each regional group. This option and its timeframe will be discussed at the next 2k network meeting in Bern in July 2011.

3) SCHEDULED 2k NETWORK EVENTS FOR 2011 and beyond**INQUA 2k session**

An official 2k session with talks and posters will take place at the INQUA 2011 Congress (July 20-27, www.inqua2011.ch) in Bern, Switzerland. All 2k members are invited to submit abstracts to this session:

Session 9 (PALCOMM): “Regional climate change during the last 2000 years – contributions to the PAGES 2k Network”

Conveners: A. Korhola, L. Newman, R. Pienitz and H. Wanner.

Submission deadline: **30 November 2010**

<http://www.inqua2011.ch/?a=programme&subnavi=sessions&id=9>

We will make sure that the session is scheduled on the last day of the INQUA Congress (27 July 2011), i.e., on the day immediately before the one-day 2k Network meeting.

2k Network Meeting

On July 28 the second [PAGES 2k Network Meeting](#) will be held at the PAGES office in Bern. All 2k teams are invited to report on their activities. At least one member from each of the regional Working Groups is expected to be present.

The agenda of this meeting will include:






- Presentation on the status of the regional 2k groups
- Preparation of the consortium paper on T-reconstructions (for use in IPCC AR5)
- Planning the future concept of the 2k synthesis

This meeting is independent of the INQUA Congress and thus it is possible to attend only this workshop and not the INQUA Congress if one wishes. PAGES will try to organize limited travel funds for the Working Groups and will provide more information on how to apply for individual financial support in the next 2k Circular.

Schedule overview 2010-2014

2010:	Regional Meetings of 2k groups
28 July 2011:	PAGES 2k Network meeting (after INQUA Congress in Bern)
Late 2011:	Temperature publication of 2k consortium
2011/12:	Regional meetings of 2k groups
2013:	PAGES 2k Network synthesis meeting
2014:	Publication of 2k synthesis book

4) COMPOSITION OF THE REGIONAL 2k GROUPS

REGIONAL GROUP	LEADERS	MEMBERS
 AFRICA2K	D. Nash, M. Umer	A. Asrat, I. Bentaleb, B. Chase, S. Grab, J. Maley, S. Nicholson, T. Shanahan, D. Verschuren
 AUS2K	J. Gergis, C. Turney	A. Lorrey, J. Palmer, S. Phipps
 ASIA2K	T. Nakatsuka	H. Borgaonkar, B. Buckley, E. Cook, Q. Ge, J. Palmer, M. Sano, R. Shankar, O. Solomina
 ARCTIC2k	A. Korhola	C. Ammann, D. Anderson, H. Bauch, R. Bradley, P. Francus, D. Kaufman, D. Klitgaard-Kristensen, N. Koç, K. Kreutz, G. Miller, O. Solomina
Antarctica 2k	T. van Ommen	H. Fischer, M. Küttel, D. Schneider, E. Steig, E. Wolff
Euro-Med 2k	J. Luterbacher	K. Briffa, R. Garcia-Herrera, B. Vinther
 LOTRED-S. America	M. Grosjean, R. Villalba	
North America 2k	H. Diaz	C. Ammann, R. Bradley, J. Carriquiry, M. Evans, N. Graham, R. Hall, S. St George, E. Wahl

The full lists of all associated scientists can be found online on the respective 2k groups homepages. The group leaders are asked to report changes in the member list to the PAGES-IPO.

5) ACTIVITIES OF THE REGIONAL 2k GROUPS

Most of the PAGES 2k regional groups held their first workshop this year or will hold it before the end of 2010. In addition, almost all the 2k group webpages and metadatabases are up and running. A short list of the past or upcoming 2k group meetings and the most recent list of members for each group are listed below:



Leaders: D. Nash, M. Umer

Members: A. Asrat, I. Bentaleb, B. Chase, S. Grab, J. Maley, S. Nicholson, T. Shanahan, D. Verschuren,

Activities:

Africa2k held their first regional workshop from the 11 – 14 May 2010 in Ghent, Belgium. This meeting was a small, focused workshop involving the group leaders and a handful of other group members. The group discussed the key records for the region and is currently preparing a metadatabase of records to be used in the regional reconstructions. More details can be found in the [workshop report](#) published in the PAGES newsletter in August 2010. The Africa2k group also recently developed a website and metadatabase.

A small Africa2k meeting will be held alongside the 3rd East African Quaternary Association meeting in Zanzibar, Tanzania, 08-13 Feb. 2011.

Group Website & Metadatabase:

<http://www.pages-igbp.org/science/2k/africa2k/index.html>

ANTARCTICA 2k: (with IPICS 2k)

Leaders: T. van Ommen

Members: H. Fischer, M. Küttel, D. Schneider, E. Steig, E. Wolff

Activities:

The Antarctica2K group is still in development phase and will soon commence activities.

Group Website & Database:

Not yet developed.



Leaders: A. Korhola

Members: C. Ammann, D. Anderson, H. Bauch, R. Bradley, P. Francus, D. Kaufman, D. Klitgaard-Kristensen, N. Koç, K. Kreutz, G. Miller, O. Solomina

Activities:

The first meeting of this group towards synthesis will be held alongside the upcoming AGU Fall meeting in San Francisco (11-12 Dec 2010). The goal of this [Arctic2k workshop](#) is to collect and assess the existing records of paleoclimatic data and to plan how to proceed in using all the data to reconstruct the temperature of the past 2000 years in the Arctic.

Group Website & Database:

www.pages-igbp.org/science/2k/arctic2k/



Leader: T. Nakatsuka

Members: H. Borgaonkar, B. Buckley, E. Cook, Q. Ge, J. Palmer, M. Sano, R. Shankar, O. Solomina

Activities:

The 1st Asia2k Workshop was held in Nagoya (26-27 August 2010). It was the first opportunity to review, correlate and synthesize all individual proxy-based findings (tree ring, stalagmite, coral ring, sediment, ice core, historical documents etc.) in the Asian region and surrounding ocean for the past two thousand years. The Workshop Report will be published in the next issue of PAGES news.

There are also plans for a PAGES Asia2k training workshop in 2011. Participants will be encouraged to bring their data and contribute to a product that will subsequently be published in a journal.

Group Website & Database:

<http://asia2k-pages.la.coocan.jp/asia2k>

The Asia2k webpage will be hosted within the PAGES website soon and all the content from the old webpage along with latest updates will be made available.

AUS2K

Leaders: J. Gergis, C. Turney

Members: D. Lorrey, J. Palmer, S. Phipps

Activities:

The first Aus2k regional workshop “towards data synthesis” was held in Melbourne, Australia from May 31 to June 2, 2010. The goal of this meeting was to evaluate existing and develop new annual to decadal 2K climate reconstructions from Australasia. The meeting program, workshop report and most of the presentations can be found on the [AUS2k meeting website](#).

An Aus2k metadatabase hosted on the PAGES Aus2k website has been set up and will shortly be populated with records.

A proposal has been approved by the Australian government to fund a postdoc for the Aus2k effort.

The second Aus2k workshop will take place on April 26-28, 2011 in Perth, Australia. This workshop will focus on the generation of reconstructions of different climate variables for the Australian region and identify caveats in the reconstructions of the full 2k period.

Group Website & Database:

www.pages-igbp.org/science/2k/aus2k/

EURO-MED 2k

Leaders: J. Luterbacher

Members: K. Briffa, R. Garcia-Herrera, B. Vinther

Activities:

A EURO-MED 2k meeting will be held on Nov 22-24, 2010 in Madrid, Spain. The idea of this meeting is to review the current state knowledge and

evaluate available data covering the past 2k. In addition, next steps and a long-term plan for the development of a high-resolution gridded dataset of climate variables will be set up. More information for this meeting can be found on the [PAGES webpage](#).

Group Website & Database: Not yet developed.

N. AMERICA 2k

Leaders: H. Diaz

Members: C. Ammann, R. Bradley, J. Carriquiry, M. Evans, N. Graham, R. Hall, S. St George, E. Wahl

Activities:

Henry Diaz has recently assumed leadership of this group from Caspar Ammann. The Group is evolving and plans to organize a NorthAmerica2k workshop prior to the INQUA meeting in Bern. In addition, E. Wahl will organize a workshop on reconstruction methods in February 2011.

Group Website & Database:

Not yet developed.



LOTRED – S. AMERICA:

Leaders: M. Grosjean, R. Villalba

Activities:

Two synthesis papers by Neukom et al. (2010) presented synopsis of spatial and temporal temperature and precipitation fields in southern South America.

The 2nd International Symposium "Reconstructing Climate Variations in South

America and the Antarctic Peninsula over the last 2000 years" took place in Valdivia, Chile, 27-30 Oct 2010. This is a follow-up conference of the Malargue PAGES conference of 2006 in Argentina. The goal of the meeting was to bring together scientists from different paleoclimatic fields, to review and discuss current knowledge and search for calibration and quantification techniques of proxy dataset in South America and the Antarctic Peninsula.

This conference was preceded by a five-day educational meeting; "South American Climatology and Quantitative High-Resolution Climate Reconstructions in Paleoecology (23-27 Oct 2010, Valdivia, Chile)". The main objective of this course was to facilitate knowledge transfer from experienced to young researchers and between national researchers.

More information on these events can be found on the [meeting](#) and [pre-conference](#) course homepages, and on the [PAGES website](#).

Group Website & Database:

<http://www.pages-igbp.org/science/lotred-sa>

6) WEBPAGES AND PUBLICATION LIST

Please help PAGES in keeping you informed by sending the latest news from your 2k Working Group and by keeping group webpages up-to-date! It is planned to include a "2k publication list" section on the PAGES 2k website. Therefore, kindly send us information of all published peer-reviewed papers related to the 2k program for inclusion to facilitate a comprehensive and up-to-date 2k publication list.

7) GENERAL REMINDERS

The PAGES 2k Network has a website www.pages-igbp.org/science/last2millennia where you can find information on Working Groups, meetings, publications and meeting minutes.

PAGES also offers each regional group the opportunity to develop a regional website, a unique logo and a regional Metadatabase. If you would like to

request any of these facilities for your group please contact Lucien von Gunten.

Regional 2k groups seeking PAGES support for holding additional meetings in 2011 are requested to be aware of the 22 Nov 2010 deadline for submission of proposals. Deadlines after that will be at the end of June 2011 and mid-November 2011.