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This circular is sent to all 2k mailing list subscribers listed in the “2kEmailAddress.xlsx” file on the “PAGES 2k” Dropbox folder. Feel free to forward it to Working Group members and interested colleagues. Also let Lucien know if you wish to be removed from the 2k mailing list or if somebody should be added to it.

Best wishes from the 2k-coordinators

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1 - 2K PHASE 2 GROUP AND LEADERSHIP STRUCTURE

Following the regional T reconstructions and publication of the synthesis in *Nature Geoscience*, the 2k project is now entering its second phase. In most regional groups this transition to phase 2 is associated with changes in the membership and leadership structure. We consider the transition as a good opportunity to maintain the groups' vitality, e.g. by personnel rotation including involvement of young scientists, and by any other measures that re-invigorate group dynamics.

Some regional groups have asked for guidance on leadership, authorship and community involvement questions. The 2k coordinators have therefore prepared guidelines based on current practice, past experience, and PAGES principles. These should not be understood as top-down rules but as an advisory framework with enough freedom for regional-specific tailoring.

Leadership

The regional leaders are encouraged to regularly reassess their leadership structure. If handing over the leadership to a new (group of) person(s) can help keep up the momentum in the group, we do strongly support such a change. Phase 2 of the 2k project will continue for approximately three years. The leadership should ideally be set-up to follow through the entire phase 2.

- Leadership groups are preferred over single group leaders.
- The co-leaders 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.
- The leadership group communicates regularly, e.g. via online meeting (the IPO can provide access to an Adobe Connect virtual meeting room) to discuss the group's progress.
- The leaders should keep the group members informed about the status of the working group (WG) regularly, e.g. through updates through the WG mailing list, circulars, or web meetings (Mailing lists have been set up for all regional groups; contact Lucien).
- Leaders should report once a year to the 2k steering group by filling in a short form emailed by the PAGES office.

Task leaders

- The *data managers* administer the regional proxy datasets. They coordinate the collection, quality assessment and archiving of the proxy data records.
- The *data-model liaisons* are the contact persons for regional data-model questions.

Membership

- PAGES 2k groups are open and should aim for a broad and active membership.
- An effective approach is to invite all potentially interested persons to join the group's mailing list. This creates a large pool of interested scientists who can choose to take on responsibilities, to selectively take part in some activities or to remain a passive observer, or supporter.

Authorship

- The publications are meant to galvanize a large group of collaborative researchers; the opportunity to contribute should be announced widely.
- The primary authors should provide avenues for others to give genuine input at the level of a co-author, and should communicate regularly with potential co-authors on the progress of the manuscript and timelines.

- Co-authorship requires substantive input, which should be communicated explicitly to prospective authors. We recommend that each co-author's specific contribution is tracked and listed in the manuscript.
- Attendance at a PAGES workshop, being a group member, or transfer of a dataset alone does not automatically entitle for authorship.

2 - DATA COLLECTION AND DATA MANAGEMENT

The main goal for the coming months will be to expand and improve the global 2k proxy database that will be used for the trans-regional synthesis products. For this purpose, both data selection criteria and methods must be uniform. All data will first be collected and used internally by the 2k Network. The database will be made publicly available at NOAA when the related results are being published.

The selection criteria for proxy records for addition to the global 2k database have now been finalized and can be downloaded from the PAGES website:

http://www.pages-igbp.org/download/docs/working_groups/2k_network/pages2k-proxy-selection-criteria-Nov2013.pdf

Thanks to all 2k members who commented or helped preparing the criteria!

3 - TOPICAL WORKSHOPS

Workshops aimed at developing reconstruction products for individual regions, can be complemented by initiatives for trans-regional topical meetings. Encouraged are especially efforts towards a better understanding of the dynamics of the climate system. A data-model comparison workshop was just recently held in Madrid, and one on reconstruction methods is planned for April 2014:

Data-Model Comparison workshop (4-11 November 2013; Madrid, Spain)

This joint PMIP3 and PAGES2k workshop focused on the comparison between the published 2k reconstructions and the new PMIP3 suite of past1000 simulations. The 34 participants were split up into three working groups focusing on 1) PMIP3 models and PAGES2K data comparison, 2) PMIP3 models and instrumental and reconstructed circulation modes, and 3) best practices and new approaches in model-data comparison. The working groups discussed and produced a large set of diagnostics already prior to the meeting. During the workshop, these results were presented and discussed, and their publication was coordinated.

<http://www.palma-ucm.es/members/workshop>

2k reconstruction methods meeting (15-16 April 2014, Woods Hole, USA)

This meeting aims at assessing and developing methodologies for climate field reconstructions from multi-proxy data that address some of the challenges identified during the first phase of the 2k activities. Workshop announcements will be issued soon.

4 – PROJECT GOALS AND TIMELINE

Long-term goals of 2k

- Reconstruction of regional 2k temperature and precipitation fields and, if possible, reconstruction of circulation patterns and modes;
- Data-model comparison and diagnostic analyses with the ultimate goal to understand the mechanisms driving climate variability of the last 2k.

Short-term goals

- The preparation of a central 2k database is considered as a most important target since it will be crucial for reaching most of the 2k synthesis goals.

2014

- Workshop on reconstruction methods (Wood Hole, April 2014)
- Data-model T comparison (product of PMIP3-PAGES 2k workshop, Madrid 2013)
- Update and release of the global 2k database
- Reconstructions of inter-regional (global, hemispheric, etc.) T patterns

2015

- T field reconstructions by regional groups
- P field reconstructions by regional groups
- Circulation reconstruction by Ocean2k
- Reconstruction and analysis of inter-regional P patterns
- Data-model P comparison as a PMIP/2k collaboration

2016

- Final synthesis (special issue)

5 - PAGES 2K CALENDAR

8 Dec 2013, San Francisco, USA

Arctic2k meeting “Reconstructing precipitation in the Arctic for the last 2000 years”

<http://www.pages.unibe.ch/calendar/127-pages/1155-arctic2k-working-group-workshop-dec-2013>

9-13 Dec 2013, San Francisco, USA

AGU sessions “Climate of the Common era” (PP004) and Environmental and climatic changes on a human time scale - Varves and other high-resolution sedimentary records with up to decadal resolution (PP009)

<http://www.pages.unibe.ch/calendar/127-pages/850-2013-agu-fall-meeting>

15-16 April 2014, Woods Hole, USA

2k reconstruction methods meeting

www.pages.unibe.ch/calendar/127-pages/1166-advances-in-climate-field-reconstructions

27 Apr - 2 May 2014, Vienna, Austria

EGU 2k session – “Studying the climate of the last two millennia”

<http://meetingorganizer.copernicus.org/EGU2014/session/15323>

and more sessions are of interest in “Climate: Past, Present, Future”

<http://meetingorganizer.copernicus.org/EGU2014/sessionprogramme/CL>

9-12 Jul 2014, Medellín, Colombia

3rd LOTRED-SA symposium with 2-day pre-congress course for young scientist (7-8 July)

www.eafit.edu.co/cec/congresos/Climatechange2014

Spring/Summer 2014, Fort Collins, USA

North America 2k Phase 2

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

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 9 January 2014, the one after that will be approximately in May/June 2014.**