



pages-igbp.org/workinggroups/2k-network

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This circular is sent to all 2k mailing lists subscribers. Feel free to forward it to 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 – PAGES2K OPEN PROJECT MEETING

A 2k open project meeting was held in December 2014 alongside the AGU Meeting in San Francisco, USA. Approximately 50 attendees representing 12 countries discussed the general project goals and the current status of data collection and analysis.

Julien Emile-Geay and Nick McKay presented the status of version 2 of the temperature-sensitive proxy record database as of December 2014, and some preliminary data analyses. The coverage of records is increasing, especially with the addition of the Ocean2k records, yet major inconsistencies remain. Among the most obvious is the relatively few tree-ring records from Europe compared with the broader coverage from NAM and Asia. Nick presented the basic structure and functionality of the database, and he proposed a versioning scheme for the reconstruction products that use the evolving data set.

Candace Major from the US National Science Foundation explained that NSF values synthesis projects that engage the community, as are the volunteer efforts that support the projects. She encouraged proposals for syntheses and for engaging agency partners. The PAGES 2k coordinators can assist PIs in identifying ways that their proposed projects could advance/fit broader international community goals.

Discussion points with meeting participants included:

- Expert judgment is needed when selecting records for specific purposes (e.g. temperature reconstruction at continental scale). This expert judgment must be articulated and documented as part of the metadata, and it needs to be tracked systematically and made available openly along with each version of a reconstruction product.

- Data generators need guidance early on in an investigation to identify the specific information that is required (and which is optional) for inclusion in the database. A [template](#) has been developed by NOAA-Paleo in consultation with PAGES2k regional data managers. Scripts are available to transpose a user-friendlier format to fit the NOAA format.

2 – STATUS OF DATA COLLECTION – TEMPERATURE-SENSITIVE RECORDS

PAGES 2k Phase 2 global temperature (T) database now contains 915 records, a major expansion relative to Phase 1. This tremendous response by regional groups will take longer to fully assimilate than was originally proposed in September. We are still working to format some of the records that have been submitted, and to round up missing metadata, so they can be entered into the database.

The next step is the quality control of the database. For this purpose, “Quality Control Plots” including some basic metadata for each of the records will be prepared to enable the 2k community to efficiently recognize and correct errors. The quality-controlled database will then be released, along with a “data descriptor” – a brief explanation of the data set with basic diagnostics of its content. For more information about the intended publication outlet and authorship policy, see the [project plan](#).

Although the deadline for including records in version 2 of the T database has passed, the database is constantly expanding. Subsequent database versions will be available once a sufficient number of new records are added. Contact your [regional data manager](#) or Nick (Nicholas.McKay@nau.edu) if you are aware of records that should be added to the database.

3 – PROJECTS BASED ON THE GLOBAL TEMPERATURE DATABASE

Once the global database has been quality-controlled, a call will be made to the 2k community to encourage all interested participants to propose research projects based on the new T database. All proposals will be posted on the PAGES website to build synergies, avoid duplicate projects and encourage interested colleagues to join the project. This procedure follows that of other on-going 2k trans-regional projects (see below).

4 – TRANS-REGIONAL PROJECTS

An increasing number of trans-regional projects are emerging from the 2k community. These projects complement the work of the regional groups and address research questions that involve more than one 2k region. They have been initiated by 2k Network members and take advantage of the expertise and data compilations of the global 2k Network. A web page listing the projects is now available:

<http://www.pages-igbp.org/workinggroups/2k-network/trans-regional-projects>

All of the projects are open for participation by interested scientists. To propose a new trans-regional project, please contact one of the [2k project coordinators](#).

5 – NEXT STEPS

Concurrent with the push to release version 2 of the temperature database, regional groups are continuing their efforts to assemble datasets and address research questions related to hydroclimate variability – the thrust of Phase 2. A teleconference with all 2k regional group leaders and other interested participants is now being planned for early March. The goals of this online meeting will be to: (1) set the schedule and procedure for the release of version 1 of the PAGES 2k hydroclimate database; (2) share information about the specific hydroclimate-related research questions and reconstruction products that are now planned by each regional group; and (3) discuss the readiness of regional and other topical groups to produce a journal special issue in 2016. Details about the open teleconference will be distributed soon.

6 – NEW 2K PRODUCTS

To view all 2k products and upcoming 2k events, visit the respective regional 2k group's website: www.pages.unibe.ch/workinggroups/2k-network

Please let us know if you see any gaps or errors, and send us any meeting documents (e.g. presentations and posters), to post on the 2k web page to create a complete online archive of an event or activity.

Don't forget to acknowledge PAGES in publications that draw ideas arising from PAGES-funded meetings.

7 – UPCOMING PAGES 2K MEETINGS

19-20 March 2015, Kyoto, Japan

4th Asia2k Workshop

<http://www.pages.unibe.ch/calendar/2014/127-pages/1302-4th-asia2k-workshop>

13-17 April 2015, Vienna, Austria

EGU Meeting 2k Session “Studying the climate of the last two millennia”

<http://meetingorganizer.copernicus.org/EGU2015/session/17036>

13 April 2015, Vienna, Austria

Arctic2k Meeting

<http://www.pages.unibe.ch/calendar/2014/127-pages/1309-arctic2k-meeting>

17-19 June 2015, Gdansk, Poland

Climate variability and human impacts in Central and Eastern Europe during the last two millennia

Co-sponsored by EuroMed2k, including a EuroMed2k

<http://pages-igbp.org/calendar/2014/127-pages/1306-climate-variability-human-impacts-c-e-europe-last-2k>

3-9 September 2015, Venice, Italy

Antarctica2k Workshop

<http://pages-igbp.org/calendar/2014/127-pages/1471-antarctica2k-2015-meeting>

30 September - 2 October 2015, Auckland, New Zealand

Australasia2k Workshop

6-8 October 2015, Barcelona, Spain

1st Ocean2k Workshop

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

8 - 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 12 June 2015.**