

News

Goodbye and welcome to SSC and EXCOM members

PAGES says thank you and bids farewell to Zhimin Jian, co-chair and Executive Committee (EXCOM) member, and Emilie Capron, who will be rotating off the Scientific Steering Committee (SSC) at the end of 2023. PAGES thanks Zhimin and Emilie for their dedication and wishes them all the best. PAGES welcomes Natasha Barlow, Yair Rosenthal and Yan Zhao who will join the SSC from January 2024. The PAGES Early-Career Network (ECN) has extended Juliana Nogueira SSC tenure for another year.

Congratulations to Pradeep Srivastava

PAGES would like to congratulate Pradeep Srivastava, PAGES Scientific Steering Committee (SSC) member, who has been appointed as the new International Union For Quaternary Research (INQUA) Vice-President. Pradeep is also president of the local organizing committee of the next INQUA congress that will take place in Lucknow, India, in 2027.

PAGES ATRN working group

The African Tree Ring Network (ATRN) working group focuses on bringing together African tree-ring scientists and advancing the use of tree rings in the tropics, in the areas of paleoecology/paleoclimatology reconstructions, ecology, forestry/agroforestry, hydrology, and archaeology, as a new frontier. Find out more and join ATRN activities: pastglobalchanges.org/atrn

PAGES ACME working group

In May 2023, the Arctic Cryosphere Change and Coastal Marine Ecosystems (ACME) working group successfully applied for a second phase. "The overarching goal for Phase II will be to provide a reconstruction of Arctic coastal ecosystem status under a warmer climate (Holocene thermal maximum, ca. 1–2 K higher than 20th century) using the "good data" criteria refined in ACME Phase I." Details: pastglobalchanges.org/acme

Next PAGES Open Science Meeting and Young Scientists Meeting

PAGES is pleased to announce that the 7th Open Science Meeting (OSM) and 5th Young Scientists Meeting (YSM) will be held in Shanghai, China, in 2025. The confirmed dates for the YSM will be 19–20 May with the OSM running directly afterwards from 21–24 May. PAGES would like to congratulate the Chinese delegation on their successful bid.

PAGES IPO staff update

PAGES communications and project officer, Leigh Martens Winiger, has gone on maternity leave. We congratulate Leigh and her family, and wish them all the best. In the interim, PAGES welcomes Ghislaine Heylen who replaces Leigh until her return. Ghislaine's contact details can be found here: pastglobalchanges.org/about/structure/international-project-office

Apply to be on the Scientific Steering Committee (SSC)

Do you wish to guide PAGES activities and ensure the continuation of a thriving paleoscience network? Then apply to be a part of the SSC. The next deadline is 11 March 2024 (term starting January 2025). Details: pastglobalchanges.org/be-involved/ssc/apply

Deadline for funding support and creation of new working groups

The next deadline to propose a new PAGES working group or to apply for financial support for a workshop/meeting, as well as to submit a Data Steward Scholarship application, is 4 March 2024. Details: pastglobalchanges.org/support

Important news on Swiss GDPR!

The new Swiss Federal Act on Data Protection (FADP) went into effect on 1 September 2023. This means PAGES must ensure compliance with this new data law, and this directly affects PAGES subscribers and members. Please visit the website for all details: pastglobalchanges.org/news/137379

Past Global Changes Magazine: request for hard copies

Past Global Changes Magazine is a free magazine published twice annually and delivered in hard copy format free of charge to those interested. PAGES now requests that for each issue of the magazine, anyone interested in receiving a hard copy must complete the online webform with their postal address details before the deadline. Details: pastglobalchanges.org/news/137348

Upcoming issue of Past Global Changes Magazine

The next PAGES Magazine, guest edited by Katrina Kremer, Michael Strupler, Katleen Wils, Renaldo Gastineau and Tatiana Izquierdo Labraca, focuses on (Paleo)-Earthquake and -Tsunami science. The magazine will be published in the first half of 2024.

Calendar

To stay updated on all the latest and upcoming PAGES and paleoscience related activities, check out the calendar on the PAGES website: pastglobalchanges.org/calendar

Featured publications

2k Network

Falster G et al. published an article in *Nature* on "Forced changes in the Pacific Walker circulation over the past millennium"; a new 800-year reconstruction, based on water isotope proxy records from the Iso2k database, of the Pacific Walker circulation. pastglobalchanges.org/publications/137359

2k Network - CoralHydro2k

Walter RM and PAGES CoralHydro2k project members published a paper in *Earth System Science Data* in which they compiled a comprehensive database of curated coral $\delta^{18}\text{O}$ and Sr/Ca proxy records to track large-scale regional sea-surface temperature and hydrology signals across various timescales. pastglobalchanges.org/publications/137273

2k Network - Clivash2k

Published in *Earth System Science Data*, Thomas ER et al. synchronized over 100 annual ice-core records of sodium sulfate and sulfur from Antarctica, dating back as far as 2000 years. pastglobalchanges.org/publications/137312

PlioMioVAR

McClymont EL et al., in their paper published in *Reviews of Geophysics*, assessed the spatial and temporal variability of ocean temperatures and ice-volume indicators through the late Pliocene and early Pleistocene (from 3.3 to 2.4 Ma). They find that climate variability evolved in a complex and inconsistent manner, most strongly expressed in northern mid-latitude sea-surface temperature records. pastglobalchanges.org/publications/137325

PALSEA

In their paper published in *Nature*, Saintilan N et al. look at how "widespread retreat of coastal habitat is likely at warming levels above 1.5°C" and conclude that achievement of Paris agreement targets could minimize disruption to coastal ecosystems. pastglobalchanges.org/publications/137367

VICS

In a new paper in *Climate of the Past*, Lücke LJ et al. look at how uncertainties in the solar and volcanic forcing records of the past millennium affect the large-scale temperature response using a two-box impulse response model. pastglobalchanges.org/publications/137268

Cover

An ice core in front of the vast Antarctic ice sheet and areas of ongoing ice-core research: water isotopes for climate reconstructions, air bubbles containing air from the past atmosphere, impurities at grain boundaries and Antarctic climate models. Photo credits: Pascal Bohleber, Ailsa Chung, Qingang Gao, Niklas Kappelt, Amaëlle Landais, U.S. National Ice Core Laboratory.