

News

Working group news

Two new working groups launched at the beginning of 2022: PlioMioVAR (Pliocene and Miocene climate variability over glacial-interglacial timescales) builds on key priorities identified by the community in the PAGES PlioVAR working group. pastglobalchanges.org/pliomiovar

Q-MARE (Disentangling climate and pre-industrial human impacts on marine ecosystems) aims to produce new results on biodiversity loss under natural climate variability and sustainability of both ecosystems and societies. pastglobalchanges.org/q-mare

Sir Nicholas Shackleton Medal For Outstanding Young Quaternary Scientists Award 2021

Congratulations to Dr. Julie Loisel, co-leader of the PAGES C-PEAT working group, on being named the 2021 recipient of the Sir Nicholas Shackleton Medal For Outstanding Young Quaternary Scientists Award.

PAGES webinars

In December 2021, PAGES organized its 6th and 7th webinars. The PAGES-WCRP webinar introduced the new WCRP, its new science foci, and its elements, and highlighted interfaces across which enhanced interactions and collaborations with PAGES can flourish in the future. The PAGES-PMIP webinar aimed to help people find and use data from the PMIP simulations that could be useful for their own research, introduced which climate models and periods have been used in PMIP, and discussed all things data related.

youtube.com/playlist?list=PLSaCdvmD4wMIlbBmw5tuJc5cpmoxYbER

PAGES Early-Career Network (ECN)

A new community-driven ECR project (and product of the joint PAGES-INQUA early-career workshop 20-24 November in La Serena, Chile) on synthesizing human-climate-environment interactions has been launched. The project is entitled "The whole is not the sum of the parts: building a synthesis database of past human-environmental systems in the Global South (pSESYNTH)" and aims to test a key hypothesis, i.e. whether or not cultural "stress" of ecosystems was widespread across the Global South during the Holocene. Visit the website for more information and to sign up.

pases2020.com/index.php/psesynt-project

PAGES mobility fellowships

As part of an effort to actively promote the participation of early-career scientists and scientists from low- and middle-income countries in relevant working groups, workshops, and other activities, PAGES launched two mobility fellowships in 2021. The first awardees of the Inter-Africa Mobility Research Fellowship Program and the IAI International Mobility Research Fellowship Program for Latin America and the Caribbean can be viewed on the PAGES website. The next deadline for all applications is 19 August. Check our website for more information and updates: pastglobalchanges.org/support

PAGES IPO staff update

PAGES International Project Office welcomed Leigh Martens Winiger in November 2021. Leigh will be sharing the communications and project tasks with Chené van Rensburg. The IPO also welcomes Dr. Basil Davis who will be joining the team for a period of six months. Contact details for all IPO staff are available here: pastglobalchanges.org/about/structure/international-project-office

Deadline for new working groups, phase extensions, and workshop support

The next deadline to propose a new PAGES working group, apply for a working group phase extension, submit an application for the data stewardship scholarship, or apply for financial support for a workshop/meeting or conference is 19 September. All details: pastglobalchanges.org/support

Past Global Changes Magazine: Changes to distribution

PAGES is happy to be able to offer free online access to *Past Global Changes Magazine*, as well as free hard copies to all interested parties. As an organization focused on climate and environment, we are also interested in keeping the number of printed copies to a minimum. We are, therefore, in the process of making changes to our distribution strategy. Any changes will be communicated, with ample warning, through our social media channels, website, and e-news. In the meantime, please take a moment to update your profile on our People Database to ensure that the magazines are being sent to the correct postal address: pastglobalchanges.org/people-database. We sincerely hope that this does not cause any inconvenience and thank you for your understanding.

Upcoming issue of Past Global Changes Magazine

Our next magazine, guest edited by Matthew Chadwick, Amy Leventer, Anna Pienkowski, and Heike Zimmermann from the C-SIDE and ACME working groups, focuses on sea ice in the polar regions. Although preparations are well underway, if you would like to contribute, please contact our Science Officer: sarah.eggleston@pages.unibe.ch

Calendar

4th PAGES Young Scientists Meeting

9-13 May 2022 - Online

6th PAGES Open Science Meeting

16-20 May 2022 - Online

PALSEA: Palaeo sea level and ice sheets for Earth's future

17-20 July - Singapore

Climate Change, The Karst Record

18-20 July - Innsbruck, Austria

IPICS 3rd Open Science Conference

2-7 October - Crans Montana, Switzerland

pastglobalchanges.org/calendar

Featured publications

ACME

Heikkilä M et al. published an invited review in *Anthropocene* on predicting the future of coastal marine ecosystems in the Arctic and the potential of palaeoenvironmental records.

pastglobalchanges.org/publications/128874

DiverseK

Zhang Y et al. investigate vegetation response to Holocene climate change in Central-East China, and Hawthorne D et al. argue for the use of paleo-ecological records as a guide for fire management in Ireland.

pastglobalchanges.org/taxonomy/term/219/publications

Floods Working Group

Wilhelm B et al. compile paleoflood records to assess the uncertain impact climatic trends might have on flood frequency and magnitude in the European Alps.

pastglobalchanges.org/publications/128890

PALSEA

PALSEA is proud of the list of 32 papers that have been published within the past year. The full list of almost 200 PALSEA peer-reviewed articles, *PAGES Magazine* articles, and special issues can be found on the PALSEA publications website:

pastglobalchanges.org/taxonomy/term/116/publications

VICS

Plunkett G et al. challenge previous assumptions of a volcanic event, highlighting the need to revise the Common Era ice-core chronology and be formally accepted by the wider ice-core and climate modeling communities.

pastglobalchanges.org/publications/128860

Cover

Rapidly changing ecological conditions challenge forest management and restoration, raising questions about how reference conditions are defined and where restoration is warranted, especially as we move towards climatic conditions with no past analog. Two images from the subalpine forest landscapes of the Rocky Mountain National Park, CO, USA, illustrate widespread tree mortality between 2006 (left) and 2021 (right), as a result of spruce bark beetles (foreground) and two unusual wildfires, in 2012 and 2020 (mid- and background), both of which burned in October, well after the historical fire season in the region (photo credit: P. Higuera).