



PAGES integrated Activity Workshop on
Extremes

**“Climatic and hydrological extremes: linking
the instrumental period of the last decades
with the more distant past”**

The first full workshop of PAGES' Extreme
Events and Risk Assessment Integrative Activity,
titled "Climatic and hydrological extremes:
linking the instrumental period of the last
decades with the more distant past" will be
held from **18-20 February 2019 in Koblenz,
Germany**.

Logistics

This is a semi-open workshop for a total of 20-
25 people. A first group of attendants, covering
the expertise required to reach the goals of the
workshop, has been selected by the organizers.

Additionally, a call is open for about 5-10
participants based on relevant expertise or
interest in the subject, with a priority given to
early career researchers
(<http://pastglobalchanges.org/ecn/intro>).

Overview

The goal of the workshop is to reinforce the
coordination between existing research lines on
climatological and hydrological extreme events
of the past including the instrumental era. The
workshop thus contributes to the IA on
Extreme events and risk assessment, to
stimulate new analysis and to facilitate the
transfer of relevant information to potential
users. The community is very diverse in focus,
timescales and methodology.

The forthcoming IPCC Assessment Report offers
a clear target. In this framework, a synthesis
that would present in a way adapted to non-
specialists the contributions from analyses on
long time scales would be an extremely valuable
resource. In particular, it is important for
scientists outside the domain to know the
accuracy of the available data and the
robustness of the interpretation. Besides,
scientists working on the more recent period
could explain their need and how the

techniques they are applying could be used on
longer term changes. We do not expect that
this synthesis could cover all aspects but, at
least for hydrological extremes.

The Global Climate Observing System (GCOS) is
developing requirements for Essential Climate
Variables (ECV). An ECV is a physical, chemical
or biological variable or a group of linked
variables that makes a decisive contribution to
characterizing the Earth's climate and its
extremes. The synthesis could provide a similar
characterization of the measurement
requirements from a paleo point of view.

Goals

A main goal of the IA is to facilitate the transfer
of relevant information about past extremes to
potential users. A synthesis paper will offer the
opportunity to inform a wide range of users
that are not aware of the relevant information
provided by paleoscientists and who do not
read the specialized literature on this subject.
Vice versa, new findings from the modern
community should also stimulate the discussion
within the paleo-community.

Preliminary Program

18 February: Lunch, introduction, keynote presentations (plenary session)

19 February: Parallel sessions with discussion in working groups

20 February: Synthesis of working group discussion, final discussion and conclusions (plenary session)

The first day will be devoted to review presentations by groups of participants. Those reviews will be prepared well in advance of the meeting and will cover a wide topic, not only the specialty of the participants. A forum will also be launched to stimulate the inputs from the community and to discuss the most relevant subjects.

The working groups will focus on floods, droughts, extreme precipitation, storms, and attribution analysis.

During day two and three, the main themes will be selected, the structure of a synthesis paper will be prepared and the tasks will be distributed among participants. If time allows, some parts of the text will be written in subgroups.

Financial support

PAGES has provided funding for several early-career researchers who could not join the meeting otherwise. Experts from developing countries can apply for funding sponsored by the ICWRGC.

Registration and Dates

Pre-registration can be done by contacting us via email at icwrgc@bafg.de until Dec 2 2018.

In order to apply for participation, please send us an email explaining in a few words your expertise, workshop expectations and the potential contribution to the workshop. Indicate also whether you need financial support.

Decisions about applications and support will be communicated to participants **by Dec 14 2018**. Selected participants will then be invited to finalize their registration for the workshop.

Workshop planning committee

- Stephan Dietrich - Resources and Global Change (ICWRGC)
- Bruno Wilhelm – Université Grenoble Alpes

- Hugues Goosse – Université catholique de Louvain
- Blas Lorenzo Valero-Garcés - Spanish National Research Council

Further information

Contact meeting organizer Stephan Dietrich: dietrich@bafg.de

Sponsors

- PAGES (Past Global Changes)
- International Center for Water Resources and Global Change (ICWRGC)
- Federal Institute of Hydrology (BfG)



PAGES supported

