

Isotopes of Carbon, Water, and Geotracers in Paleoclimate Research

Bern, Switzerland, 26 – 28 August 2013

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Isotopes are the focus of intense research. This conference will bring together observationalists and modelers to exchange their latest insights on the opportunity isotopes offer to quantitatively understand physical and biogeochemical processes and to unravel past and modern climate change. The conference will reach across the disciplines to bring together scientists who work on different climate archives and focus on physical or biogeochemical processes and couplings.

SCOPE OF THE CONFERENCE

Much progress has been made in recent years to reconstruct isotopic composition in ocean sediments, ice cores, tree rings, speleothems, and other archives. Improved proxy records that extend the previous scope in spatial and temporal resolution are emerging. At the same time, isotopes are increasingly implemented as a standard module in comprehensive Earth System Models and in Earth System Models of Intermediate Complexity. It appears thus timely to bring together specialists from the data and the modeling communities to integrate information across Earth System components and scientific disciplines. The meeting will discuss and synthesize emerging results, and highlight issues that are key priorities for future progress to use the full potential of isotopes in understanding the climate of the past.

PROGRAM

The program will be finalized in June 2013. The conference lasts from Monday, 26 August, morning (~9 am) to Wednesday, 28 August 2013, noon.

It will be followed by the Fall Meeting of the CESM Paleoclimate Working Group in the afternoon of August 28.

Detailed information is available at:

http://www.oeschger.unibe.ch/events/conferences/isotopes/index_en.html

CONFIRMED SPEAKERS INCLUDE

Asfawossen Asrat (Addis Ababa, ET), Esther Brady (Boulder, USA), Hai Cheng (Xi'an, CN), Hubertus Fischer (Bern, CH), Fortunat Joos (Bern, CH), Takuro Kobashi (Tokyo, JP), Valerie Masson-Delmotte (Gif-sur-Yvette, FR), David Noone (Boulder, USA), Delia Oppo (Woods Hole, USA), Bette Otto-Bliesner (Boulder, USA), Johannes Rempfer (Bern, CH), Gavin Schmidt (New York, USA), Thomas Stocker (Bern, CH), Claire Waelbroeck (Gif-sur-Yvette, FR)

GENERAL INFORMATION

Information about the conference venue and accommodation is available on the conference website:

http://www.oeschger.unibe.ch/events/conferences/isotopes/index_en.html

REGISTRATION

The registration fee of CHF 100 includes (no services can be excluded):

- Conference registration and material (CHF 50 without VAT)
- Coffee breaks (CHF 50 incl. 8% VAT).

Participation at the conference dinner (27 August) is optional and a supplementary fee of CHF 60 will be charged.

Please register until 31 May 2013 at:

http://www.oeschger.unibe.ch/events/conferences/isotopes/registration_en.html

Participants will be selected based on submitted abstracts and available space.

We are looking forward to meeting you in Bern!

Fortunat Joos (fortunat.joos@oeschger.unibe.ch)

Bette Otto-Bliesner (ottobli@ucar.edu)
