



17th Stable Isotope Network Austria (SINA) Meeting

Second Circular

This year's User Group Meeting of the Austrian stable isotope community will take place in Absam, near Innsbruck, on November 8th and 9th.

All relevant details are provided here: <http://www.2019.sina.or.at>

Venue and accommodation

We will convene at Hotel Bogner (<https://www.hotel-bogner.at>) in Absam, a rural village on the eastern outskirts of Innsbruck.

Please make your room reservations early and mention "SINA Meeting" while booking (phone +43 (0)5223/57987, info@hotel-bogner.at). The prices for a double and single room are € 81 and € 67, respectively, including breakfast.

Getting to Hotel Bogner

Hotel Bogner address: Walburga Schindl-Straße 21, 6067 Absam

Hotel Bogner can be reached by bus 501 ([link to bus schedule](#)). Bus 501 leaves the Innsbruck main train station every 15 minutes. The journey to Absam is 30 minutes. The bus stop closest to Hotel Bogner is "Absam Kirche." After arriving at Absam Kirche, simply turn onto Walburga-Schindl-Strasse.

We will begin the conference at 13:30 sharp, so please leave ample time to reach Hotel Bogner.

Registration and fee

Please register electronically at the conference website: <https://2019.sina.or.at/registration>

The registration fee is € 30. Please pay on site *or* by bank transfer to:

Stable Isotope Network Austria
IBAN: AT87 1200 0504 0007 5444
BIC: BKAUATWW

Last-minute abstract submission for poster presentation

Please submit last-minute abstracts to: sinauibk@gmail.com. Absolute deadline is October 25th.

Scientific program

On page 2 a preliminary scientific program is listed. The conference language is English.

- Keynotes will be 40 minutes + 5 minutes of questions
- Talks will be 12 minutes + 3 minute questions
- Poster presentations: please prepare **one** PowerPoint slide and a 3-minute overview of your poster. All "poster introductions" will be presented on Friday prior to the poster session.

Friday, 8th November 2019

12:00 13:30 Registration & Welcome

Session 1: Ecology and paleoecology

13:30 14:15 *Keynote*: Robert Anczkiewicz

14:15 14:30 Rebecca Hood-Nowotny

14:30 14:45 Johannes Ingrisch

14:45 15:15 *Coffee and Tea Break*

Title

Tracing seasonal mammoth migrations in central Europe during the last ice using Sr and O isotopes

Non-exchangeable $\delta^2\text{H}$ of Japanese beetle, a potential tool for protecting Californian agriculture

Drought and recovery effects on belowground respiration dynamics of recent carbon in managed and abandoned grassland

Session 2: Novel approaches

15:15 16:00 *Keynote*: Hagit Affek

16:00 16:15 Kathrin Rosenthal

16:15 16:30 Tobias Kluge

16:30 17:00 Poster introductions

17:00 19:00 Poster Session

Title

Carbonate $^{17}\text{O}_{\text{excess}}$ as a paleo-hydrology proxy

Ten years of Elementar and IsoPrime: Pioneers in simultaneous CNS isotope ratio analysis

Laser-spectroscopic analysis of CO_2 clumped isotopes

Starting at 19:00

Dinner

Saturday, 9th November 2019

Session 3: Climate and paleoclimate

9:00 9:15 Stacy Carolin

9:15 9:30 Petra Bajo

9:30 9:45 Attila Demény

9:45 10:00 Tanguy Racine

10:00 10:30 *Coffee and Tea Break*

Title

Rainwater stable isotopes over the Iranian plateau

Holocene climate variability - an insight from Nova Grdosova Cave (Croatia) speleothems

Paleotemperature reconstructions for the ~100-350 ka period inferred from D/H analyses of fluid inclusion water of speleothems

Stable isotopes in cave-ice, a link to past precipitation?

Session 4: Soil, water, and air

10:30 11:15 *Keynote*: Nicolas Brüggemann

11:15 11:30 Giorgio Höfer-Öllinger

11:30 11:45 Elemér László

Title

Coupled biotic-abiotic production processes and related stable isotope signature of nitrogen trace gases

2 years of stable isotope measurements of rivers and springs in southern Salzburg Basin (Golling, Kuchl, Hallein) Salzburg, Austria

Continental CH_4 concentration and $^{13}\text{C}/^{12}\text{C}$ isotope ratio measurements in the Carpathian Basin, Hegyhatsal: comparison with European clean air sites

Session 5: Geology and geo-engineering

11:45 12:00 Zsófia Kovács

12:00 12:15 Ronny Boch

Title

Calcium isotope record of the Late Triassic

Application of stable isotopes in geotechnical settings – Examples from current projects

Starting at 12:30

Lunch

Starting at 13:30

SINA General Assembly

Posters

Reminder to poster presenters: Please prepare **one** PowerPoint slide and a 3-minute overview of your poster. Poster introductions will be presented on Friday prior to the poster session.

Friday, 8th November 2019 (17:00 - 18:00)

Name	Title
Watzinger, Andrea	Oxygen isotope equilibration of phosphate in the soil /plant system – an ^{18}O - PO_4 organic fertilizer test
Meeran, Kathiravan	Effect of summer drought on the coupling of photosynthesis and soil respiration under current and future climate
Radolinski, Jesse	Simulating bypass flow in a two water worlds context
Königer, Paul	Stable isotope studies ($\delta^2\text{H}$, $\delta^{18}\text{O}$) of precipitation and soil water movement in forested ecosystems at Solling, Germany
Harris, Eliza	Denitrification dominates drought and post-drought dynamics of nitrous oxide emissions
Cseresznyés, Dóra	Dawsonite from surface environment, Covasna (Romania): preliminary results
Soleimani, Mojgan	Speleothem-based isotopic variation during the Holocene period in southern Iran
Höfer-Öllinger, Giorgio	Stable isotopes of daily precipitation sampling: 3 years of observation at Wals and Sonnblick Observatorium (Salzburg, Austria)
Pfeiffer, Jan	Stable isotope-based derivation of a conceptual hydrogeological model of the Vögelsberg landslide (Tyrol, Austria)
Horváth, Balázs	Honey water: an easy solution to detect sugar syrup addition?
László, Elemér	Estimation of the natural variability of the tritium concentration of precipitation

Thank you to our sponsors:



We look forward to seeing you in Tyrol!

Christoph Spötl

Gabriella Koltai

Kathleen Wendt

Michael Bahn