

STABLE ISOTOPE NETWORK AUSTRIA

Annual Meeting 2007

Hörsaal 4, Geozentrum, Althanstraße 14, 1090 Wien,
University of Vienna

Friday, 14. December 2007

- 17:15-18:15 B. GLASER Compound-specific isotope analysis in ecology and environmental sciences (KEYNOTE)
- 18:15-19:15 STABLE ISOTOP NETWORK AUSTRIA
General Assambly 2007 (for details see below)
- 19:30 Come-together at a **Heuriger** (traditional Viennese wine-house)
[Heuriger Schübel-Auer, Kahlenberger Straße 22, 1190 Wien]

Saturday, 15. December 2007

09:00-09:10 **Welcome & Introduction**

Session 1 Chair: A. Richter

- 09:10-09:35 C. SPÖTL How to tell climate using stable isotopes: the start of the last ice age in the Alps
- 09:35-10:00 R. BOCH Using stable isotopes as a tool to understand speleothem growth dynamics
- 10:00-10:25 Y. DUBLYANSKY Identifying paleo water-rock interaction during low-temperature hydrothermal karstification: a pilot stable isotope study

10:25-11:00 **Coffee Break & Poster Session**

Session2 Chair: C. Spötl

- 11:00-11:25 R. HOOD-NOVOTNY Use of stable isotopes in area wide integrated pest management
- 11:25-11:50 M. TRAUOGOTT Naturally occurring stable isotopes provide new insights into the feeding ecology of major below-ground herbivores
- 11:50-12:15 S. GÖTLICHER High temporal resolution tracing of photosynthate carbon from the tree canopy to the forest soil
- 12:15-14:00 **Lunch Break** A reservation has been made for the whole group at the Restaurant Pia Maria's
[Lichtensteinstr. 108, 1090 Wien]

Saturday, 14. December 2007

Session 3

Chair: W. Wanek

- 14:00-14:25 W. PAPESCH Stable isotope ratios in river water in the Danube Basin: results from the JDS2 (Joint Danube Survey) 2007
- 14:25-14:50 M. KRALIK Where does N, S and Pb go in a forested Alpine watershed? The relation of "water age" and the retention of N-, S-, O, DIC, Sr and Pb by a multi-isotope approach
- 14:50-15:15 N. HINKO The use of stable isotope tracers to investigate nutrient dynamics in the canopy of a tropical rain forest
- 15:15-15:45 **Coffee Break & Poster Session**

Session 4

Chair: R. Hood-Nowotny

- 15:45-16:10 P. HIETZ Stable isotopes in tree rings: what do long-term trends tell us?
- 16:10-16:35 P. SCHWEIGER The effect of arbuscular and ectomycorrhizal fungi on host plant ^{15}N natural abundance
- 16:35-17:00 W. WANERK ^{15}N discrimination in microbial nitrogen transformations
- 17:00-17:05 **Closing Statement & Outlook**

Einladung zur SINA Jahreshauptversammlung

Freitag 14. Dezember 2007

- 18:15-19:15 Generalversammlung des Vereins SINA
"Stable Isotope Network Austria"

[Bericht des Vorstands; Bericht der Kassaprüfer;
Information über JESIUM 2008 in Frankreich; Allfälliges]