

5th Austrian Workshop

Stable Isotopes in Ecological and Earth Sciences

November 7 - 8, 2003
Innsbruck

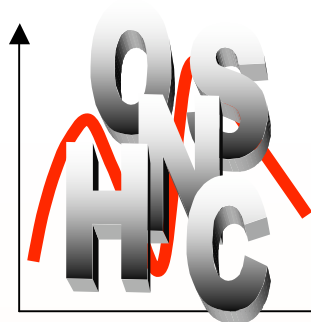
Scientific program

Fri, 7.11.2003

- 13:30 Welcome
- 13:40-14:30 FRED J. LONGSTAFFE: Exploring interactions in Earth systems: the life of a stable isotopist (KEYNOTE)
- 14:30-14:50 RAINER ABART, NICOLAS BADERTSCHER, MARTIN BURKHARD: Stable isotope patterns along the Glarus overthrust - insights into the link between fluid regime and development of a crustal scale tectonic feature
- 14:50-15:10 ANA-VOICA BOJAR, DAN GRIGORESCU, ZOLTAN CSIKI: Palaeoenvironmental significance of palaeosoils from the Densus Ciula formation (Maastrichtian deposits, Hateg basin, Romania)
- 15:10-15:30 ANDREA B. RIESER, ANA-VOICA BOJAR, FRANZ NEUBAUER, JOHANN GENSER, GERTRUDE FRIEDL, Y. LIU, X. GE: Monitoring Cenozoic climate evolution of northeastern Tibet: carbon and oxygen isotope results from the Qaidam Basin, western China
- 15:30-16:00 Coffee break
- 16:00-16:30 LEOPOLD FÜREDER: Stable isotope analysis in ecological studies: current applications and remaining questions
- 16:30-16:50 SABINE GÖTLICHER, ANDREAS RICHTER, NINA BUCHMANN, WOLFGANG WANER: Dissecting ecosystem-respiration by stable carbon isotope analysis
- 16:50-17:10 GABRIEL A. SINGER, MICHAELA PANZENBOECK, GABRIELE WEIGELHOFER, CHRISTINA MARCHESANI, TOM BATTIN: Memory effect of carbon fractionation in periphytic biofilms: does flow history matter?
- 17:10-17:30 CHRISTINE LATAL, WERNER E. PILLER, MARTIN HARZHAUSER: Stable isotope analyses on Miocene gastropods from the central Paratethys
- 17:30-17:50 KARL-HEINZ OFFENBECHER, CHRISTOPH SPÖTL, JAN KRAMERS: Stable isotopes in speleothems and their paleoclimatic significance: a case study from the Northern Calcareous Alps
- 17:50-18:10 MICHA HORACEK, RAINER BRANDNER, CHRISTOPH SPÖTL: $\delta^{13}\text{C}$ curve of the Tethyan Lower Triassic
- 18:30 Dinner

Sat, 8.11.2003

- 8:30-9:20 JILL LANCASTER: Variations in invertebrate trophic status along a productivity gradient: the importance of linking stable isotope and diet analyses (KEYNOTE)
- 9:20-9:40 JULIA SEEGER, ERWIN MEYER, S. SCHEU: Stable isotope analysis as a useful tool in soil ecology: food web studies
- 9:40-9:55 MICHAEL TRAUOGOTT: The diet of wireworms (Coleoptera: Elateridae) in arable land and its relationship to soil environmental conditions: a stable isotope analysis (project preview)
- 9:55-10:25 Coffee break
- 10:25-10:45 CHRISTOPH SPÖTL: A high efficiency system for semi-automated stable isotope microsampling and analysis of carbonate minerals
- 10:45-11:05 ALEXANDER DUHR, ANDREAS HILKERT: Maximum sensitivity and performance for carbonates
- 11:05-11:25 ALBRECHT LEIS: Comparison of different IRMS techniques for the application of deuterated water for groundwater tracing
- 11:25-11:45 ANDREA BORSATO, SILVIA FRISIA, ANTONIO LONGINELLI AND E. SELMO: Monitoring of karst spring and meteoric water $\delta^{18}\text{O}$ and δD in the Brenta Dolomites (NE-Italy)
- 11:45-12:05 MARTIN KRÁLIK, WOLFGANG PAPESCH, WILLI STICHLER, DIETER RANK, H. SCHEIFINGER: Austrian Network of Isotopes in Precipitation (ANIP): quality assurance and climatological phenomenon in one of the oldest and densest networks in the world
- 12:05-12:15 Closing and outlook
- 12:20 Lunch



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The 5th Austrian Workshop on Stable Isotopes will be held at Gasthof Kranebitten at the western margin of Innsbruck. Workshop participants and guests are kindly requested to book their accommodation directly at Gasthof Kranebitten (mention "Isotopen-Workshop"): office@gasthof-kranebitten.at, phone +43 (0)512 28 19 58, fax +43 (0512) 28 82 49.

How to reach Gasthof Kranebitten:

By car: Exit A12 highway at "Innsbruck-Kranebitten", across the river Inn, stay at left lane at next fork, enter westbound street (Kranebitter Allee), the guesthouse is on your left side.

By train: We recommend to take a taxi from Innsbruck main station to the guesthouse because public transportation is difficult.

Each speaker will be allocated 15 minutes for their verbal presentation, plus five minutes for discussion. The lecture hall has two screens, one overhead projector, and one data projector plus laptop.

We look forward to seeing you in Innsbruck!

CONTACTS **CHRISTOPH SPÖTL**
Department of Geology and Paleontology
University of Innsbruck
Innrain 52, A-6020 Innsbruck
Phone: ++43 512 507 5593
E-mail: christoph.spoettl@uibk.ac.at

LEOPOLD FÜREDER
Institute of Zoology and Limnology
University of Innsbruck
Technikerstr. 25, A-6020 Innsbruck
Phone: ++43 512 507 6125
E-mail: leopold.fuereder@uibk.ac.at

