





17th & 18th November 2023 Paris Lodron University Salzburg (PLUS)

Department Environment and Biodiversity Hellbrunner Str. 34 5020 Salzburg

PROGRAM

Sponsors and exhibitors:



PICARRO







Friday, 17.11.2023				
9:45 - 10:45	Registration			
10:45 - 10:55	Opening			
Chair: Giorgio Höfer and S	Sylke Hilberg			
10:55 - 12:35	Session 1: Stable Isotope Methods			
10:55- 11:15	Manfred Groening	Recent challenges for consistent δ 13C scale value reporting		
11:15 - 11:35	Kathiravan Meeran	Vienna Urban Carbon Laboratory: Investigating urban CO2 emissions through Isotope Analysis from Tall Tower Observations		
11:35 - 11:55	Kathrin Rosenthal	Analysis of dissolved nitrate stable isotopes using the one-step Ti (III) reduction method and Elementar EnvirovisION System		
11:55 - 12:15	Johannes Friedl	A synthesis of 15N isotope methods to inform measurement, scaling and modelling of N2O and N2 emissions from agricultural soils		
12:15 - 12:35	Patric Simões Pereira	Acquisition of a new generation multicollector ICP-MS at the Institute of Geology, University of Innsbruck		
12:35 - 14:00		Lunch Break		
Chair: Albrecht Leis				
14:00 - 14:40	Keynote: Michael Ernst Böttcher et al.	Multi isotope biogeochemistry of a temperate coastal peatland under impact by submarine groundwater discharge and storm-induced flooding		
14:40 - 15:20	Session 3: Stable Isotopes in Geology			
14:40 - 15:00	Patricia Roeser	Carbon(ate) diagenesis in Lake Constance: A stable isotope geochemical perspective		
15:00 - 15:20	Ana-Voica Bojar	Monitoring multi-decadal temperature changes in the Eastern Alps: a tunnel stable isotope archive		
15:20 - 15:50		Coffee Break		
Chair: Andrea Watzinger				
15:50 - 17:10	Session 2: Stable Isotopes in Lifescience			
15:50 - 16:10	Kathiravan Meeran	Effects of Tree Size and Site Characteristics on the Intraspecific Variability of Sessile Oak Growth and Water-Use-Efficiency Response Under Wet-Dry Years		
16:10 - 16:30	Sabrina Santos Pires	Sugar Beet Water Uptake Studies Through Water Stable Isotopes		
16:30 - 16:50	Magdalena Blanz	Stable isotope ratios to identify seaweed-consumption and fertilisation in archaeology		
17:00 - 18:00		Postersession		
19:30		Conference Dinner, Stiegl Keller		
		Saturday, 18.11.2023		
Chair: Stefan Wyhlidal				
9:30 - 11:10	Session 4 Stable Isotopes in Hydrogeolo	rev		
9:30 - 9:50	Giorgio Höfer-Öllinger et al.	The potential of Stable Isotopes to identify Permafrost degradation, Sattelkar Landslide, Obersulzbachtal, Salzburg		
9:50 - 10:10	Julien Farlin et al.	Using isotopes to estimate groundwater recovery times from diffuse pollution		
10:10 - 10:30	Michael Stockinger	Lessons learned from the spatiotemporal analysis of long-term and time-variable young water fractions of large Central European catchments		
10:30 - 10:50	Selma Hajric	Investigating the impact of land use, slope position, and soil heterogeneity on soil water fluxes in a small agricultural catchment		
10:50 -11:10	Eva Kaminsky	Identification of recharge processes in the shallow aquifer of Vienna		
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11:10 - 11:30		Coffee Break		
		COTTCC STEUR		
11:30 - 12:30 Generalversa	ammlung	SINA General Assembly		

Poster Session, Friday, 17.11.2023 17:00 - 18:00			
Number	Presenting Autor	Title	
		Stable isotopes indicate sources and fate of sulfur in a modern analogue for the Baltic Sea	
P1	Michael Böttcher	freshwater stage	
		Biogeochemistry and hydrology of a tidal basin with the northern-most German submarine	
P2	Michael Böttcher	ground water discharge: A water and carbon isotope perspective	
		Seasonal and spatial multi-isotope hydrobiogeochemistry of a managed river draining into the	
Р3	Michael Böttcher	southern Baltic Sea	
		Establishment and application of the Ti(III) reduction method for analysis of nitrogen isotopes	
P4	Monis Gcakasi	in water samples	
P5	Sven Gindorf	Acquiring photocupthesis of enaflava at remote field sites using stable isotopes (120)	
F3	Sven diliuon	Acquiring photosynthesis of cryoflora at remote field sites using stable isotopes (13C) The status of ecosystem functions of polluted lands assessed in situ using plant, soil, and	
P6	Linee Goswami	microbial indicators	
PO	Linee Goswaiii	The search for the GSSP for the Spathian-Anisian Boundary - a long story slowly approaching its	
P7	Micha Horacek	end?	
1 /	WIICHATIOTACEK	Timing of an Alpine water cycle unraveled by water isotopes and age-dating tracers (3H, 3He,	
P8	Martin Kralik	14C, CFCs, SF6 and 222Rn), Eastern Alps, Austria	
10	Warthink	Tro, or est, or eather Ezzitti), Eastern Alps, Adstria	
P9	Terzia Kunkelova	NAWI Graz Core Facility: Stable Isotopes	
		Regionalization of stable isotope data (oxygen-18 and deuterium) in Swiss Precipitation for	
P10	Albrecht Leis	Hydrological Studies	
		Detection of climate change induced drought stress at Rosalia forest using stable isotope	
P11	Katharina Schott	methods (13C,18O)	
P12	Katharina Schott	Influence of alpine ranges on the isotope signature in precipitation in Austria	
P13	Elisabeth Schwaiger	Traceability of fruit and vegetables	
P14	Vera Winde	Method for determining the origin of water damage	
1 14	vera willue	Characterization of the flow regime in a karst aquifer using stable water isotopes (Hochschwab,	
P15	Paul Zemann	Austria)	
1 13	T dai Zemaini	A trans-European decomposition index study in arable soils, focusing on the impact of	
P16	Rebecca Hood-Nowotny	different depths and plant diversity using a common 13C-labelled litter.	
LTO	nepecca noou-Nowothy	Jumerent depths and plant diversity using a common 15C-labelled litter.	