

	<b>Sunday (29 Sept)</b>
14:00	Workshop ASI Juniors
ca. 17:00	

<b>Monday (30 Sept)</b>	
10:00	Company morning
12:00	Registration and coffee
13:00	Conference Opening
13:15	<b>Analytical, Methods, Quality Assurance</b> <b>Keynote 1: Maren Dubbert:</b> A decade of in-situ stable water isotope observations: progress and challenges with a focus on isotope enabled gas-exchange
13:45	<b>Barbara Herbstritt et al.:</b> Coping with spectral interferences when measuring water stable isotopes of vegetables
14:00	<b>Benjamin Gralher et al.:</b> Comparison of gas matrix effects on three generations of cavity ring-down water stable isotope analyzers
14:15	<b>Joachim Mohn et al.:</b> Laser spectroscopic analysis of N <sub>2</sub> O isotopes: How to get trustworthy data?
14:30	<b>Steffen Kümmel et al.:</b> Continuous-flow stable sulfur isotope analysis of organic and inorganic compounds using elemental analyzer coupled with multi-collector inductively coupled plasma mass spectrometry (EA-MC-ICPMS)
14:45	Coffee break
15:15	<b>Heiko Moossen et al.:</b> What's going on with the $\delta^{13}\text{C}$ scale(s)?
15:30	<b>Nils Kuhlbusch et al.:</b> Orbitrap Isotope Ratio MS – Improved Strategy for Sample and Reference Introduction
15:45	<b>Magdalena Hofmann et al.:</b> Advancing Greenhouse Gas Isotopic Measurements: Evaluating the Compatibility and Efficiency of Picarro Gas Autosampler with Picarro Isotopic Analyzers
16:00	<b>Calum Preece et al.:</b> High precision stable isotope analysis of carbonate and water samples for paleoclimate applications using the Elementar iso DUAL INLET
16:15	Poster session
17:15	
18:45	Conference Dinner

Tuesday (1 Oct)	
09:00	<b>Hydro(geo)logy &amp; German Isotope Network</b> <b>Keynote 2: Michael Böttcher:</b> There and not back again: Isotope hydrobiogeochemistry of gradient systems
09:30	<b>Thomas Müller et al.:</b> Stable isotope composition of the Salalah monsoon, southern Oman
09:45	<b>Ana-Voica Bojar et al.:</b> Isotopic distillation pattern during a major regional storm event
10:00	<b>Juan Carlos Richard-Cerda et al.:</b> Partitioning denitrification pathways at an agricultural site using numerical modeling and stable isotopes of nitrate and sulfate
10:15	<b>Cachintha Senarathne et al.:</b> Balancing weathering and organic carbon input to a tropical river in Sri Lanka: a stable isotope approach
10:30	Coffee break
11:00	<b>Amani Mahindawansa &amp; Matthias Gassmann:</b> A depth-oriented investigation of hyporheic zone processes by isotopic and chemical analysis
11:15	<b>Kolja Bosch et al.:</b> Challenges of estimating groundwater recharge in forests through deuterium oxide labelling – How to trace soil water movement below the root zone?
11:30	<b>Maike Gröschke et al.:</b> Climate indicators and stable isotope patterns in a region strongly impacted by lignite-mining (Lusatia, Germany)
11:45	<b>Paul Königer et al.:</b> Comparison of long-term precipitation stable isotopes monitoring at three selected stations of weekly resolution within the German Isotope Network (GIN)
12:00	Lunch break
13:30	Isotope Award
14:30	<b>Ecosystems and Biogeochemistry</b> <b>Keynote 3: Dominika Lewicka-Szczebak:</b> N <sub>2</sub> O isotopocules and mineral N isotopes in tracing N cycling in soils
15:00	<b>Diana Burghardt et al.:</b> Effect of nitrogen fertilization by red clover mulch in organic farming: An isotope analysis study
15:15	<b>Rolf Siegwolf et al.:</b> Water vapour diffusion from the atmosphere into the leaf is mostly ignored but relevant as shown by <sup>18</sup> O isotopes
15:30	<b>Gerhard Gebauer et al.:</b> Multi-element stable isotope natural abundance in orchids from the Mediterranean region of Europe and SW-Australia
15:45	Poster session
16:45	ASI general meeting
ca. 18:15	
19:00	Thermo Fisher User Meeting

Wednesday (2 Oct)	
09:15	<p style="text-align: center;"><b>Ecosystems and Biogeochemistry</b></p> <p><b>Keynote 4: Frank Keppler:</b> The isotopic fingerprint of plant methoxy groups and its application in biogeochemical research</p>
09:45	<b>Jonas Hädeler et al.:</b> $^{18}\text{O}$ labeling experiments reveal new abiotic pathway of methanol and formaldehyde formation in soil
10:00	<b>Moritz Schroll et al.:</b> Stable isotope insights into subglacial methane emissions from the Western Margin of the Greenland Ice Sheet
10:15	<b>Thorsten Grams:</b> Experimental drought in a mature beech/spruce forest - using stable isotopes to study drought resistance and tree recovery
10:30	<b>Kai Nitzsche et al.:</b> Using Cu stable isotope ratios to understand the cycling of Cu in Swiss grassland soils
10:45	<b>Hannah Forsyth et al.:</b> Investigating Polyethylene Degradation in Soil Using a $^{13}\text{C}$ -labelling Approach
11:00	Coffee break
11:30	<p style="text-align: center;"><b>Physiology, Metabolism, Forensics, Food (+ further topics)</b></p> <p><b>Lili Xia et al.:</b> Evaluation of the potential of stable hydrogen isotopic composition of fatty acids for geographical traceability of vegetable oils</p>
11:45	<b>Christine Lehn et al.:</b> C-N-S-H-stable isotope data in human hair from the 1950s and more recent periods
12:00	<b>Lisa Scharrenbroch et al.:</b> Isotope Ratio Mass Spectrometry based profiling of <i>Ricinus communis</i> - A forensic approach
12:15	<b>Nicole Scheid et al.:</b> Geophysical Monitoring of simulated Graves and AI based Data Analysis – Subproject: Isotopic profiling of grass samples from the graves and nearby
12:30	<b>Marie Singer et al.:</b> Carbon isotopes as reaction tracking tool in cement mineralogy
12:45 ca. 13:15	Awards, announcements, closing remarks
14:00	<p>Excursions</p> <p>Botanical Garden (14:00-15:30)   GSI Helmholtzzentrum (14:00-17:00)</p>