

Thursday, April 25 2024

- 10:00 - 11:30 **Arrival and registration of industrial partners**
- 11:30 - 12:00 **Arrival and registration of attendees/members**

12:00 - 13:00 Lunch and sponsor trade show

13:00 - 13:15 **OPENING BASIS 2023**

- 13:15 - 13:30 How to guarantee authenticity and traceability of agri-food and supplements products thanks to the application of isotopic analysis of bioelements
Matteo Perini
- 13:30 - 13:45 Impact of the site of absorption on the systemic bioavailability of short-chain fatty acids (SCFA)– a study design.
Riet Rosseel
- 13:45 - 14:00 Sea turtle soup? Isotopic clues in archaeological sea turtle remains from the Netherlands
Willemien de Kock
- 14:00 - 14:15 Trophic strategies (C and N isotopic signatures) of three species of Caribbean corals across an extreme environmental gradient in Curaçao
Sarah L Solomon
- 14:15 - 14:30 GC-IRMS: an overview of injection techniques – features and benefits
Maria de Castro

14:30 - 15:25 **COFFEE BREAK - TRADE SHOW – POSTER SESSION**

Authors posters 1-10 be present from 14:30-14:55

Authors posters 11-20 be present from 14:55-15:25

- 15:25 - 15:40 Back-to-basics: Can primary references be defined on your IRMS?
Dipayan Paul
- 15:40 - 15:55 Using Isotopic and Chemical Tracers to Investigate Groundwater Residence Time and Recharge Mechanisms in a Semi-Arid Climate: Insights from Northern Morocco
Mohammed Hssaisoune
- 15:55 - 16:10 Paving the way for a new frontier: carbon stable isotope ratio analysis using orbitrap mass spectrometry
Merve Öztoprak Tomečková
- 16:10 - 16:25 Development of an LC-IRMS Method for Steroid Analysis in Urine
Lenka Honesova
- 16:25 - 16:40 Investigating whole-body fructose catabolism in vivo using stable isotopes to identify new anti-obesity targets.
Melany Rios-Morales
- 16:40 - 16:55 Shedding (sun)light on animal-microbe interactions using stable isotopes
Michelle Achlatis

17:30 - 19:00 **Social event**

19:00 **Dinner @ [Restaurant de Waag](#)**

Friday, April 26 2024

- 9:00 - 9:15 Gross Nitrogen Transformation rates in Four Luxembourg Beech Forests along a pH gradient
Mengru Jia
- 9:15 - 9:30 Radiocarbon and bulk isotope measurements of subglacial carbon dioxide and methane at the western margin of the Greenland ice sheet
Getachew Agmuas Adnew
- 9:30 - 9:45 Evaluating the potential of the ^{13}C -signature of organic aerosols to determine the effect of photochemical ageing reactions.
Ellis de Wit
- 9:45 - 10:00 A 75-year record of North Sea food web dynamics based on the stable nitrogen isotopic composition of amino acids from harbor porpoise (*Phocoena phocoena*).
Philip Riekenberg
- 10:00 - 10:15 High precision stable isotope analysis of carbonate and water samples for paleoclimate applications using the Elementar iso DUAL INLET
Mike Seed
- 10:15 - 10:40 COFFEE BREAK –TRADE SHOW – POSTER SESSION**
- 10:40 - 10:55 (Finally) a decision on the ^{13}C isotope scale(s)!
Harro Meijer
- 10:55 - 11:10 Deciphering methane dynamics in the urban ponds of the city of Brussels using carbon stable isotope ratios
Thomas Bauduin
- 11:10 - 11:25 Stable nitrogen and carbon isotope analysis of geoporphyrins in the geological record measured by high-sensitivity EA/IRMS to asses changes in the phototrophic community
Marisa Storm
- 11:25 - 11:40 Spatio-temporal distribution of nutrient input and its effect on coral reef food web dynamics along the coast of Curaçao
Nienke C.J. van de Loosdrecht
- 11:40 - 11:55 Pathway specific bulk and clumped isotopic signatures of methane production in a marine lake sediment
Sivan Malavika
- 11:55 - 12:10 Aeris Technologies : CO₂ Ratiometer
Hans Helsen
- 12:10 - 12:30 LEDENVERGADERING – Members meeting 2024**
- 12:30 - 13:30 Lunch and sponsor trade show**
- 13:30 - 13:45 Connecting two different isotope worlds through pyrolysis.
Anita Aerts-Bijma

- 13:45 - 14:00 Integrating stable isotopes and dietary data to uncover trophic interactions in North Pacific pelagic food webs
Genyffer Troina
- 14:00 - 14:15 Compound specific chlorine isotope analysis (CSIA-Cl) using low- and high-resolution GC-EI-MS: Method development and selected applications for chemical warfare agent markers
Adriaan Marais
- 14:15 - 14:30 Combining ¹³C, ¹⁵N, and ²H to measure feeding and metabolic activity of marine, shallow-water sponges – a pilot study
Tanja Stratmann
- 14:30 - 14:45 Use of principal components analysis to study complex aquifers with scarce data
Azzedine HANI
- 14:45 - 15:00 The next generation platform for LC-IRMS analysis
Mario Tuthorn
- 15:00 - 15:35 Young Scientist award - Closing**