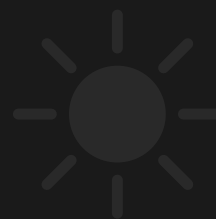


UTRECHT UNIVERSITY · DEPARTMENT OF EARTH SCIENCES

ICIW10

10th International Clumped Isotope Workshop

Utrecht, The Netherlands

• 23–26 June 2026

• Koningsberger & Minnaert Buildings

• 21 Talks · 3 Keynotes

Keynote

Plenary Discussion

Session 1 · Calibration & Standards

Session 2 · Vital Effects & Dual Clumped

Session 3 · Instrumentation & Gas-phase

Session 4 · Applications

Session 5 · Triple Oxygen & Novel Archives

Tuesday 23 June 2026

17:00–19:00

ICIW Icebreaker

Welcome drinks for all conference participants

VMA Building, Utrecht University

Wednesday 24 June 2026Koningsberger Building · until 13:00

09:00–09:20 **Welcome & Opening**
Opening remarks from the organising committee

09:20–10:00 **KEYNOTE**
A 20 Year Journey in Clumped Isotope Geochemistry at ETH
Stefano M. Bernasconi
ETH Zürich, Switzerland
30' talk + 10' Q&A

10:00–10:45 **SESSION 1**
Calibration, Reference Materials & Standardisation
Chair: Ziegler

10:00–10:15 TALK 1
Revisiting the Clumped Isotope to Temperature Calibration for Foraminifera
Vicki Taylor
University of Bergen, Norway

10:15–10:30 TALK 2
NeoCarb: Navigating the Transition to New Reference Materials
Mathieu Daëron
LSCE / CNRS, France

10:30–10:45 *Session Discussion*

10:45–11:15 Coffee Break

11:15–12:45 **SESSION 2**
Calibration, Vital Effects & Dual Clumped Isotopes
Chairs: Meckler & Fiebig

11:15–11:30 TALK 3
Using Dual Carbonate Clumped Isotopes to Assess Kinetic Effects in Foraminiferal Calcite
Amelia J. Davies
Goethe University Frankfurt, Germany

11:30–11:45 TALK 4
Clumped Isotope Analysis on Cultured Aragonite Bivalve Shells evaluates Applicability of Calcite Calibrations
Barbara Goudsmit
Utrecht University / NIOZ, Netherlands

11:45–12:00 TALK 5
What's in a Shell? Methods for Time-Resolved Sampling to Disentangle Climate and Physiological Signals in Bivalve Shells with Dual Clumped Isotopes
Allison N. Curley
Goethe University Frankfurt, Germany

12:00–12:15	TALK 6 <i>Disequilibrium of Water Column and Sediment Carbonates in the Dual Clumped Isotope Record of Fayetteville Green Lake, NY</i> Hailey E. Germeau University of Washington, USA
12:15–12:30	TALK 7 <i>Investigation of Dual Clumped Isotope Fractionation Using Farmed Calcite on Curved Glass Plates</i> Peter K. Swart University of Miami, USA
12:30–12:45	<i>Session Discussion</i>
 <u>Botanical Garden</u>	
12:45–14:00	Lunch Break
14:00–17:00	Poster Session
17:00–18:00	Drinks Reception

Thursday 25 June 2026Botanical Garden

10:00–12:00

Poster Session

Including breakout on carbonate reference materials: what comes after ETH-1/2/3?

12:00–13:00

Lunch Break

 Koningsberger Building

13:00–13:20

SPONSOR PRESENTATION · NU INSTRUMENTS

Beyond Calcite: Expanding Carbonate Analysis

Martin Moore

13:20–14:00

KEYNOTE**An overview of methyl-group clumping****Daniel A. Stolper**

UC Berkeley, USA

30' talk + 10' Q&A

14:00–15:15

SESSION 3**Instrumentation & Gas-phase Isotopologues**

Chairs: Gilbert & Modestou

14:00–14:15

TALK 8

Semi-continuous automated $\Delta 47$ Measurements of Atmospheric CO_2 **Henrik Eckhardt**

Utrecht University / University of Heidelberg

14:15–14:30

TALK 9

Constraining Nitrous Oxide Sources and Sinks with Clumped Isotopes**Paul Magyar**

Empa, Dübendorf, Switzerland

14:30–14:45

TALK 10

Towards improved inter-laboratory compatibility of clumped-isotope measurements for low- δD biogenic methane**Naizhong Zhang**

Empa, Dübendorf, Switzerland

14:45–15:00

TALK 11

Thermal Calibration of Methane Clumped Isotopologues: Methods and Multi-Dataset Results**Bibhasvata Dasgupta**

Utrecht University, Netherlands

15:00–15:15

Session Discussion

15:15–15:45

Coffee Break

15:45–16:45

SESSION 4

Palaeoclimate Applications

Chairs: Goudsmit & Fernandez

15:45–16:00

TALK 12

Clumped isotope-based Reconstructions from Fossil Mollusc Shells: Constraining Seasonal Variations in Climate and Hydrology

Niels de Winter

VU Amsterdam, Netherlands

16:00–16:15

TALK 13

Applying coccolith clumped isotope thermometry to the past: a case study from the middle Miocene Climatic Transition

Alexander Clark

ETH Zürich, Switzerland

16:15–16:30

TALK 14

Clumped Isotope Constraints on Seawater Temperature and Isotopic Variability Across the Hirnantian Glaciation

Yangrui Guo

Guangzhou Institute of Geochemistry, CAS, China

16:30–16:45

Session Discussion

16:45–17:45

PLENARY DISCUSSION

Outcome of Breakout Groups — Standardisation

17:45

Transfer to City Centre

20:15

Conference Dinner

 [Carmel Market, Utrecht](#)

Friday 26 June 2026Koningsberger Building

09:00–09:40

KEYNOTE

The Rise of Orbitrap-IRMS for Clumped Isotope Geochemistry**Amy E. Hofmann**

Caltech / JPL, USA

30' talk + 10' Q&A

09:40–12:15

SESSION 5

Triple Oxygen Isotopes, Novel Archives & Reordering Kinetics

Chairs: Daëron & Bajnai

09:40–09:55

TALK 15

*Why caring about precise notations and accurate triple oxygen isotope data?***Andreas Pack**

University of Göttingen, Germany

09:55–10:10

TALK 16

*Quantification of ^{17}O Fractionation during Phosphoric Acid Digestion of Carbonate between 25° and 110°C***Marie Pesnin**

Ruhr University Bochum / University of Göttingen

10:10–10:25

TALK 17

*Clumped and Triple Oxygen Isotope Constraints on Vegetation and Water-stress across Rift Landscapes of the Mid-Pliocene Lower Awash Valley, Ethiopia***Million A. Mengesha**

University of Michigan, USA

10:25–11:00

Coffee Break

11:00–11:15

TALK 18

*A novel dual inlet large radius IRMS for isotopologue measurement***Steven Guilfoyle**

Sercon Ltd, Crewe, UK

11:15–11:30

TALK 19

*The clumped isotope signatures of acid resistant carbonates reacted at 120°C with the new 'Nu React'***Inigo Müller**

VUB, Brussels, Belgium

11:30–11:45

TALK 20

*Precise Kinetic Parameters for Thermal Resetting of Clumped Isotope Signatures in Biogenic and Abiogenic Calcites***Nico Kueter**

RWTH Aachen / ETH Zürich

11:45–12:00

TALK 21

Simulating Solid State Isotope Reordering of C–O Bonds in the Framework of Trigonal Carbonate Mineral: A Probabilistic Approach

Uri Ryb Hebrew University of Jerusalem, Israel	
12:00–12:15	Session Discussion
12:15–13:15	PLENARY DISCUSSION ICIC — What’s next? What are the next big steps and challenges for the community?
13:15–13:30	CLOSING REMARKS Announcing ICIW 11
 Minnaert Building	
13:30–14:30	Lunch Break  Minnaert Building
14:30–16:30	Add-on Session Instrument user sessions  Koningsberger / Minnaert