

COST Action CA19120
WATER isotopes in the critical zONE: from groundwater recharge to plant transpiration

Agenda
Working Group meetings
Wednesday and Thursday March 29-30, 2023
Akademis “Academia”; Marka Marojice 2B, Dubrovnik (HR) and online

Wednesday March 29

<https://zoom.us/j/94092236877?pwd=V3dmMnA0YS82cUVkWGvXtk1TMmRYQT09>
Passcode: isotopes

8:30-9:00: Registration

9:00-9:15: Welcome

- Daniele Penna and Ilja van Meerveld
- Tamara Jakovljević

9:15-10:15: Plenary presentations

- Tamara Marković: Stable isotope fingerprint in precipitation of NW Croatia
- David O’Connell: Characterization of seasonal groundwater processes in an agricultural catchment using geophysical, isotopic and hydro-chemical techniques (Lough Gur, Ireland)
- Cody Millar: Standardization can improve isotope hydrology: Pressing issues and multiple paths forward
- Siyuan Wang: Stable water isotopes and tritium tracers tell the same tale: No evidence for underestimation of catchment transit times inferred by stable isotopes in SAS function models

10:15-10:45: Coffee break

10:45-11:15: SNSF projects related to the WATSON Cost Action

- Marco Lehman: Disentangling the isotopic signal transfer from source water to tree rings
- Katrin Meusburger: In situ tracking of stable water isotopes in a long-term irrigation experiment of a naturally dry Scots pine forest

11:15-11:55: Talks by STSM Awardees

- Francisco Muñoz Gálvez: Learning leaf cellulose isotope analysis over a subset of Mediterranean plant species
- Matteo Nigro: Building Expertise in Isotope Techniques and Data Elaboration for Hydrology Research

- Klara Žagar: Application of stable isotopes in the urban water supply investigations and guidelines for water managers (online)
- Marlene Dordoni: Surface dissolved oxygen dynamics in large-scale lentic water bodies: the case study of Lake Erie and Lake Ontario

11:55-12:10: Scientific videos: what, why and how (online presentation by Jacopo)

12:10-12:40: Updates from our COST Administrative Officer and Science officer

12:40-12:45: Introduction to the afternoon program

12:45-14:00: Lunch (self-organized)

14:00-17:30: WG meetings in meeting room / time for informal meetings outside the room

- 14:00-15:00: WG 1 meeting - WG updates and discussion on the review paper
- 15:15-16:15: WG 2 meeting - WG updates and discussion on the review paper
- 16:30-17:30: WG 3 meeting - WG updates and discussion on the model comparison study

17:30-18:00: Walk or bus to Old town

18:00-19:30: Guided walking tour through the Old town (English guides) – meeting point Tourist Information Office Pile (close to Pile gate)

19:30 Social event in Gusta me Food & Wine restaurant

Costs for social event and guided walk: 20 euros - to be paid before the end of the morning break)

Dinner (self-organized)

Thursday March 30

<https://zoom.us/j/92961448690?pwd=c0g1djJuNWVEbjVMd1FrSG02anFtdz09>

Passcode: isotopes

8:30-9:00: Registration

9:00-9:05: Welcome

9:05-9:35: Plenary presentations

- Nina Rman: Using isotopes as part of surveys
- Dániel Erdélyi: Simulated water isotope databases in supporting isotope hydrological research in Central-, and South Eastern Europe

9:35-9:55 Databases

- Stefan Ternzer-Wassmuth: Isotope data bases from IAEA perspective
- Ilja van Meerveld: WATSON Datamap update



9:55-10:15: Science communication: Updates from the science communication managers (Petra Žvab and Jana von Freyberg)

10:15-10:45: Coffee break

10:45-12:30: Inclusion of stakeholders (lead by Josie Geris and Francesca Scandellari)

- Introduction
- Presentation 'Template for a stakeholder water stable isotope toolkit'
- Workshop around prioritising needs for the next steps towards realising (parts of) toolkit
- Discussions about needs for stakeholder engagements mechanisms
- Priority of previous step, discussions on what this should actually look like
- Discussion about organising events.

12:30-14:00: Lunch break (self-organized)

14:00-16:30: Management Committee meeting (MC members only, separate agenda)