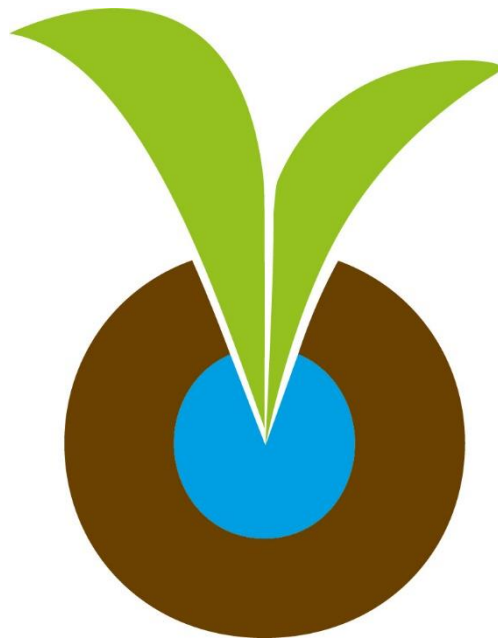


WATSON Final Action Online Conference

September 10-12, 2024

Program



Final conference of COST Action CA19120: WATER isotopes in the critical zONE: from groundwater recharge to plant transpiration (WATSON)

10-12 September 2024

Online via Zoom

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September 10, 2004

Groundwater and soil water recharge

14:00-14:45	Oral session 1 (Times are CET)		
	14:00-14:10		Introduction to the day, organizational information
	14:10-14:20	Popp, Beria, et al.	Recent advance in tracer-aided mixing modelling to assess water fluxes within the Critical Zone
	14:20-14:30	Turk, Coenders et al.	Datamap on Groundwater Recharge Studies
	14:30-14:45	Boumaiza <i>(invited speaker)</i>	Combining vadose zone water stable isotope and volumetric water content profiles to estimate groundwater recharge and understand water percolation mechanism through the vadose zone
14:45-15:00	Break		
15:00-15:50	Oral session 2		
	15:00-15:10	Sprenger, et al.	WATSON Soil Tracer Training School and Experiment Data
	15:10-15:20	Radolinski et al.	Gauging the impact of future climatic conditions on soil water transport and mixing
	15:20-15:30	Nigro et al.	A simple water samples storage test for water isotope analysis
	15:30-15:40	Bogdevici et al.	The evaluation of the groundwater recharge patterns using environmental stable isotopes for Moldavian artesian basin
	15:40-15:50	Burt et al.	Water isotope insights into soil water transit from 53 forest plots in Switzerland
15:50-16:00	Break		
16:00-17:00	Poster session (see Book of Abstracts for list of posters)		
	16:00-16:15	1 min madness	
	16:15-17:00	Poster browsing	
17:00-17:30	Informal topical social events		

September 11, 2024

Ecohydrology, plant water uptake

14:00-14:45	Oral session 1 (Times are CET)		
	14:00-14:10		Introduction to the day, organizational information
	14:10-14:20	Lehmann, Rothfuss et al.	Comparative analysis of tree water sources for beech and spruce tree across Europe
	14:20-14:30	Ceperley, Gimeno et al.	Towards a common methodological framework for the sampling, extraction, and isotopic analysis of water in the Critical Zone to study vegetation water-use
	14:30-14:45	Seeger (<i>invited speaker</i>)	How the incorporation of stable water isotopologues into process based SPAC models can help to decrease uncertainties and deepen our process understanding
14:45-15:00	Break		
15:00-15:50	Oral session 2		
	15:00-15:10	Scandellari et al.	Promoting the practical application of stable isotopes in water management
	15:10-15:20	Pelle et al.	The effect of rain pulses on the water source partitioning of woody species in a semi-arid coastal dune system
	15:20-15:30	Birkel et al.	Does high resolution in situ xylem and atmospheric vapor isotope data help improve modelled estimates of ecohydrological partitioning?
	15:30-15:40	Todini-Zicavo et al.	Comparing cavitron flow-rotor centrifuge and cryogenic vacuum distillation for the extraction of plant water
	15:40-15:50	Benettin et al.	Tracing water sources in a Mediterranean vineyard – an SNSF COST project based on WATSON
15:50-16:00	Break		
16:00-17:00	Poster session (see Book of Abstracts for list of posters)		
	16:00-16:15	1 min madness	
	16:15-17:00	Poster browsing	
17:00-17:30	Informal topical social events		

September 12, 2024

Catchment hydrology, catchment-scale water residence time and travel times

14:00-14:45	Oral session 1 (Times are CET)		
	14:00-14:10		Introduction to the day, organizational information
	14:10-14:20	Žvab Rožič and Coenders	The WATSON movie and overview of teaching materials
	14:20-14:30	Correa, Müller and Farlin.	Outcomes of four years of WATSON's Working Group 3 activities
	14:30-14:45	Morgenstern <i>(invited speaker)</i>	In search for old water stores
14:45-15:00	Break		
15:00-15:50	Oral session 2		
	15:00-15:10	van Meerveld et al.	Where to find isotope data?
	15:10-15:20	Ditlevsen et al.	Snowmelt stable water isotopes comparison and analysis: testing different meltwater samplers in high latitude.
	15:20-15:30	West et al.	Water to grow and water to flow: Isotopic tracers of plant and stream water sources in the tropical Andes Mountains and Amazon Rainforest
	15:30-15:40	Pyschik et al.	Identifying soil water storage and water mobilization processes using stable water isotopes
	15:40-15:50	Esquivel Hernández et al.	Tracing groundwater-surface water interactions in a volcanic maar lake using stable isotopes and radon-222
15:50-16:00	Break		
16:00-17:00	Poster session (see Book of Abstracts for list of posters)		
	16:00-16:15	1 min madness	
	16:15-17:00	Poster browsing	
17:00-17:30	Informal topical social events		

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