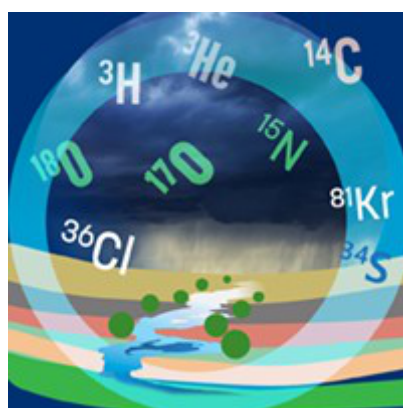


Session Program

20–24 May 2019



International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes CN-271

SESSION 5

Vienna International Centre, Board Room C
C Building, 4th Floor

Thursday 23 May

10:30

SESSION 5: Isotopes in surface water systems and catchment hydrology

Session | Location: Vienna International Centre, Board Room C, C Building, 4th Floor | Conveners:
Prof. Christine Stumpp, Lucía Ortega

10:30–11:00 Isotopes in the unsaturated zone: new opportunities and challenges

Speaker

Prof. Christine Stumpp

11:00–11:15

Temporal variability of snow melt, ice melt and direct runoff in Bhagirathi River (a tributary of River Ganga), Western Himalayan region, India, using stable isotope ($\delta^2\text{H}$ & $\delta^{18}\text{O}$)

Speaker

Dr Shive Prakash Rai

11:15–11:30 Changes to snowmelt-driven recharge in a high-elevation desert valley

Speaker

Michelle Lanzoni

11:30–11:45 Triple oxygen isotope systematics in evaporitic lake settings

Speaker

Claudia Voigt

11:45–12:00 Time-variability of the fraction of young water in a small headwater catchment

Speaker

Dr Michael Stockinger

12:00–12:15

Relating estimated watershed residence times and nutrient concentrations in artificially-drained landscapes using stable isotope variability

Speaker

Lisa Welp-Smith

12:15–12:30

A novel combined method for high-resolution measurements of water stable isotopes in trees and soils – the stem borehole equilibration

Speaker

Dr Matthias Beyer

12:30

14:00

SESSION 5: Isotopes in surface water systems and catchment hydrology (continued)

Session | Location: Vienna International Centre, Board Room C, C Building, 4th Floor | Conveners:
Prof. Kazimierz Rozanski, Mr Luis J. Araguás Araguás

14:00–14:30

Hydrogen and oxygen isotopic fractionation in water evaporation: new experiments and equations to describe the isotopic behavior

Speaker

Luis J. Araguás Araguás

14:30–14:45

Assessing human impacts on the Red River Delta, Vietnam, to enable sustainable hydrological management

Speaker

Trinh Anh Duc

14:45