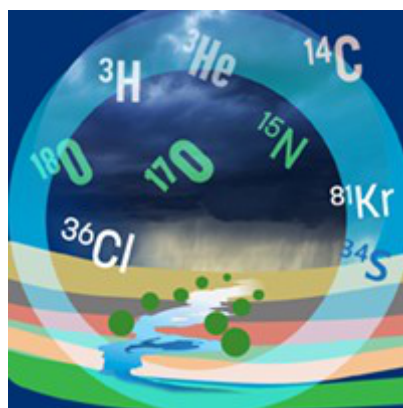


Session Program

20–24 May 2019



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

Poster Session 3

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

Thursday 23 May

14:45

Poster Session 3: Isotopes in precipitation; Isotopes in water balance modelling and mapping; Analytical methods

Poster Session | Location: Vienna International Centre, Posters Area - C04, C Building, 4th Floor

Ten years of operation of the Belo Horizonte-CDTN GNIP station, Brazil

Speaker

Eliana Aparecida Nonato Knupp

Isotope and chemical characteristics of natural waters in the Lower Mahaweli Basin, Sri Lanka

Speaker

Mrs Jasinhage Dona Chaturangi Gunasekara

Groundwater isotope ratios reflecting convective and stratiform palaeoprecipitation fractions in Bauru aquifer system, Brazil

Speaker

Hung Kiang Chang

Tritium Information Management System (TRIMS): New software to improve performance outcomes of low-level liquid scintillation counting laboratories

Speaker

Dagnachew Legesse Belachew

Exploring the use of water isotopes to investigate fast-forming rain events at a mid-latitude site in Southern Italy

Speaker

Dr Luisa Stellato

Spatio-temporal patterns of stream hydrochemistry in a glacierized alpine catchment

Speaker

Mr Michael Engel

Environmental isotope applications in Mediterranean coastal plains of Turkey: effects of irrigation

Speaker

Dr Pinar Avci

Stable water isotopes in precipitation across the Himalayas: constraints on sources of moisture

Speaker

Prof. Ghulam Jeelani

Mapping environmental tritium activity concentration in recent precipitation in Spain to trace moisture sources in the hydrological cycle

Speaker

Dr Javier Rodríguez Arévalo

Numerical groundwater modeling of the ex industrial mining complex Los Gigantes, Cordoba, Argentina

Speaker

Daniel Cicerone

Variation in tritium activity in rainfall in Paarl, South Africa and its bearing on understanding groundwater recharge processes

Speaker
Prof. Jodie Ann Miller

Using stable isotopes to conceptualize groundwater flow system in a tropical wetland

Speaker
Dr Cynthia Nonterah

Groundwater and surface water interaction in a recharge area of the Guarani Aquifer System (GAS)

Speaker
Ludmila Batista

Identifying and correcting the gas matrix effects on a cavity ring-down water stable isotope analyzer

Speaker
Mr Benjamin Gralher

Chlorine isotope analysis of chloride solution using UV-FSLA-MC-ICP-MS

Speaker
Dr Masaaki Musashi

Measuring water stable isotopes in tree xylem in situ: The stem borehole equilibration method

Speaker
Ms Kathrin Kühnhammer

Trace isotope detection of Cl, I, and Cs at the Vienna Environmental Research Accelerator - routine & ventures

Speaker
Johannes Lachner

Boron isotope analyses in fluid samples: PTIMS versus MC-ICP-MS (Neptune Plus)

Speaker
Dr Maddalena Pennisi

New noble gas analytical capabilities at the CSIRO Environmental Tracer Laboratory, Australia

Speaker
Christoph Gerber

First application of a newly developed field gas extraction device to date old groundwater

Speaker
Dr Roland Bäuml

Assessing the tritium levels in the laboratory atmosphere to avoid contamination in ultra-low level analysis

Speaker
Dr Eliana Aparecida Nonato Knupp

New in-situ samplers for Krypton-85 for groundwater dating

Speaker
Mrs Stéphanie Musy

Triple isotope analyses ($\delta^2\text{H}$, $\delta^{18}\text{O}$, $\delta^{17}\text{O}$) of water with the aid of laser spectroscopy: analytical performance of Picarro L2140-i spectrometer

Speaker
Mrs Anna Magdalena Pierchala

Development of a conceptual groundwater model in an intermountain Andean aquifer with the support of water stable isotopes: Uspallata valley, Argentina

Speaker
Nerina Belen Lana

Modeling of snowmelt water from a snow pit in Tibetan Plateau

Speaker
Mr Ke Wang

Stable isotopes for estimation of urban groundwater balance in the Kharkiv city, East Ukraine

Speaker
Mr Dmytro Diadin

Analysis of groundwater recharge from isoscapes of precipitation and shallow groundwater in the Northwest of Colombia

Speaker
Prof. Teresita Betancur

High-resolution modeling of flow partitioning using water isotopes and electrical conductivity for model calibration

Speaker
Giovanny Mauricio Mosquera Rojas

Hydrogeological responses in tropical mountainous springs

Speaker
Mr Luis Daniel Rojas-Jimenez

Determining the origin of leakage water in El Cajon dam, using stable isotopes

Speaker
Mrs Tirza Carolina Contreras Galeano

Maintaining the VPDB scale for $\delta^{13}\text{C}$: reference materials at the IAEA

Speaker
Sergey Assonov

Illustrating the role of isotopes to understand hydrologic processes in large-plain environments

Speaker
María Emilia Zabala

Groundwater dynamics of the Murunkan sedimentary basin in Northern Sri Lanka: an environmental isotope study

Speaker
Mr Mahinda Premathilake Karunadhipathige

Study of springs and karst springs using environmental isotopes 2H and 18O in the Lagoa Santa karst region, Brazil

Speaker
Ms Carolina Gomes Ribeiro

Environmental isotopes for assessing water resources in a semiarid biome in Brazil

Speaker
Mr Vinicius Ferreira

Tracing surface water dynamics and groundwater recharge at Inle Lake (Southern Shan State, Myanmar) using stable water isotopes

Speaker
Ms Viviana Re

Boron isotopic composition in fluvial and rain water from the Adige basin (Northern Italy)

Speaker
Dr Maddalena Pennisi

Geochemical monitoring and flow rates of glacial drainages in the Bayelva catchment (Ny-Ålesund area, Svalbard)

Speaker
Dr Ilaria Baneschi

Comparison of isotope hydrological patterns of large rivers in Germany (Weser and Rhine Basin)

Speaker
Dr Paul Koeniger

Hydro-chemical detection and quantification of permafrost degradation in the Eastern European Alps

Speaker
Sabine Kraushaar

Isotope and geochemical tracers for delineating the hydrogeological functioning of a low altitude Mediterranean peat bog (Corsica Island, France)

Speakers
Sébastien SANTONI, Prof. Frederic HUNEAU

Isotopic and hydrochemical assessment of groundwater on the Santa Elena Peninsula (Ecuador): implications for artificial recharge

Speaker
Daniel Omar Garces Leon

Regional stable isotope signatures in precipitation and river runoff in Switzerland

Speaker
Ulrich Schotterer

Stable isotopic composition of precipitation and the environmental controls in Bangladesh

Speaker
Mr Mohammad Masud Karim

The latitude effect on the stable isotopic composition of precipitation across Thailand

Speaker
Mr Jeerapong Laonamsai

Climatic controls over the isotopic composition of precipitation in Rio Claro (SP), Brazil

Speaker
Ms Vinicius dos Santos

Spatial and temporal variability of stable isotopes in precipitation in Kumamoto, southern Japan

Speaker
Prof. Kimpei Ichiyanagi

Spatial and temporal isotopic characterization ($2\text{H}/1\text{H}$ and $18\text{O}/16\text{O}$) of modern day precipitation in the Bale Mountains, Ethiopia

Speaker
Bruk Lemma Debebe

Spatial variability of tritium in precipitation during single storm events and its bearing on hydrological studies

Speaker
Jared van Rooyen

Isotopic composition of precipitation at two stations in Antananarivo: a comparative study

Speaker
Dr Voahirana Ramaroson

Isotopic composition of monsoon rain in the Salalah area, southern Oman

Speaker
Mr Thomas Harald Müller

Seasonal variation of the latitude effect in a mid-latitude region

Speaker
Dr Masahiro Tanoue

Middle Earth – Stable isotope investigation of precipitation sources in Romania, eastern Europe

Speaker
Dr Aurel Perşoiu

Water isotopes in precipitation in Turkey

Speaker
Naciye Nur Ozyurt

Stable isotope composition ($\delta^2\text{H}$, $\delta^{18}\text{O}$ and $\delta^{17}\text{O}$) of rainfall in Benin, West Africa

Speaker
Christine Vallet-Coulomb

Water isotopes in Beijing Basin: Monitoring for climate and water changes in a monsoon affected arid region

Speaker
Prof. Zhonghe Pang

Persistent organic compounds and water stable isotopes in rain in Buenos Aires City, Argentina

Speaker
Karina Silvia Beatriz Miglioranza

Temporal variation of stable water isotope ratios at Neumayer-III station, East Antarctica

Speaker
Mr Saeid Bagheri Dastgerdi

Filling white spots in Central Asia – a Tajik network of isotopes in precipitation

Speaker
Mr Stephan Matthias Weise

The new GNIP network in Brazil: an example of sound institutional arrangements

Speaker
Andrea Franzini

Real-time observations of water stable isotope dynamics during rainfall and throughfall events

Speaker
Dr Barbara Herbstritt

Relation between the water isotopic composition in the North Atlantic marine boundary layer and the boundary layer dynamics

Speaker

Dr Árný Erla Sveinbjörnsdóttir

Meteoric water lines with an interval of 27 years, São Paulo, Brazil

Speaker

Veridiana Martins

Surface water and groundwater interaction inferred by isoscapes in Sao Paulo state watersheds, Brazil

Speaker

Lucas Víturi Santarosa

Spatial and temporal variabilities in stable isotope and hydrochemistry to determine flow paths in the Jonkershoek catchment

Speaker

Ms Retang Anna Lapalemabu Mokuia

On combining stable and radioactive water isotopes to estimate the transit time distribution in heterogeneous aquifers

Speaker

Dr Julien Albert Farlin

Groundwater isoscapes in the southeastern region of Buenos Aires Province - Argentina

Speaker

Dr Daniel Emilio Martinez

Carbon dioxide degassing along a high-relief headwater stream inferred from seasonal variability of the gas exchange between water and atmosphere

Speaker

Dr Robert van Geldern

The interesting information of oxygen and hydrogen isotopes carried by groundwater: a case from five identical simulated catchments with different land uses from the Shawan Test Site, Southwest China

Speaker

Yundi Hu

Relationship between precipitation and groundwater in the Guarani Aquifer System recharge areas revealed by stable isotopes

Speaker

Prof. Didier Gastmans

Piston flow vs. preferential flow in loess aquifer: evidence from multiple environmental tracers (H, O, C, N, Sr)

Speaker

Prof. Tianming Huang

Hydrochemical and isotopic characterization of the Mampostón-Jaruco Basin as a contribution to the sustainable management of its water resources

Speaker

Mr Alejandro Garcia-Moya