

Posters displayed on Monday 6th and Tuesday 7th

| Number | Presenter | Title |
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| 27 | Kidist Hailu Tadesse | Characterization of Emerging contaminants in Upper and Middle Awash River Basin, Ethiopia |
| 28 | Felix Ortmeyer | Projections of groundwater nitrate concentrations – Climate change intensifies the nitrate problem |
| 35 | Carmen Serrano-Hidalgo | Why there is no evidence saltwater intrusion in the Doñana aquifer despite the groundwater extractions? |
| 39 | Benedicta Ronchi | Transfer of TiO ₂ and Al ₂ O ₃ nanoparticles through saturated carbonate and silicate matrix: column experiment and simulation in Hydrus-1D |
| 58 | Laura Del Val | Interdisciplinary characterization of La Garriga-Samalus (Barcelona, Spain) fault-controlled geothermal system |
| 81 | Marie Cors | Biomonitoring (honey bees, earthworms and aquatic vegetation) as an early warning of groundwater pesticides vulnerability |
| 82 | Krzysztof Dragon | The treated wastewater effluent impact on contamination of water supply aquifer during one |
| 85 | Felix Ortmeyer | Induced denitrification - Effect of temperature on reaction rate and microbiology |
| 92 | Dieter Vandeveld | Coping with the risk of salinisation in the Zwin area |
| 100 | Martin Vonk | Groundwater Head Time Series Analysis with Non-Linear Recharge Models - MSc Thesis |
| 106 | Josep Mas-Pla | Antibiotics and ARGs in natural springs: Are they predictable as subsurface groundwater pollutants? Insights based on natural spring data |
| 113 | Mirja Pavić | Multidisciplinary approach to conceptual modelling of hydrothermal systems in Croatia |
| 114 | Hadrien Michel | Improving the sNMR signal-to-noise ratio using cost-effective EM shielding |
| 119 | Thomas Hermans | Imaging the extent of salt water intrusion in the Luy river coastal aquifer (Binh Thuan) using electrical resistivity tomography (ERT) |
| 120 | Kevin Gonze | Impact of spatial heterogeneity on flow and heat transfers for a deep well doublet in the breccia layer of the Hainaut limestone geothermal reservoir, Belgium |
| 124 | Julien Herinckx | PESTEAUX-RW : modeling of pesticide transfer to water resources at watershed scale for Walloon region |
| 125 | Florence Williscotte | The Catchment Pesticide Diagnosis Unit: a tool for drinking water protection |
| 130 | Satoshi Tajima | Limitation of applying the Dupuit-Ghijben-Herzberg analytical model for quantifying the volume of freshwater lens in extremely highly permeable aquifer |
| 132 | Kolja Bosch | Mapping of aquifer productivity and assessment of groundwater vulnerability to pollution in the lower Chari-Logone River Basin, southern Lake Chad Basin |

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| 177 | Valentina Rakhimova | Hydrocycles for the intensification processes of groundwater treatment from hexavalent Chromium using in situ technology |
| 180 | Fernando Sola | Fast Mg-Na exchange during salinization-freshening processes in coastal aquifers |
| 185 | Alain Decamps | Installation of an iot system for the real time monitoring of hydraulic heads in the vicinity of groundwater extraction sites |
| 207 | Diego Di Curzio | Evaluation of groundwater resources in Plio-Pleistocene arenaceous aquifers in Central Ital |
| 215 | Paulo Filipe Borges | Hydrogeologic domains and conceptual model of Graciosa Island (Azores - Portugal) |
| 238 | Maria Chiara Lippera | Towards a better understanding of physical clogging processes encountered at MAR sites |
| 241 | Melissa Lenczewski | Developing a water and environmental studies curriculum at University of Yangon, Myanmar |
| 267 | Cas Neyens | Towards {RMODFLOW} 1.0.0: Bridging the ubiquitous open source groundwater modelling suite with the lingua franca of statistics and its modern (spatial) data science stack |
| 272 | Marta Jemeljanova | Comparison of AquiMod and transfer function-noise models with impulse response functions for groundwater level modeling in Latvia |
| 273 | Valentina Rakhimova | Mathematical model of the Balkhash Lake Coastal Zone |
| 282 | Rebecca Sultana | Investigation of subsurface heterogeneity and its relevance for successful Managed Aquifer Recharge (MAR) operation |
| 291 | Laura Balzani | A new methodological approach for the protection of peri-urban groundwater catchments |
| 300 | Nele Hastreiter | Determining heat losses from buildings to better predict and quantify formation of groundwater urban heat islands |
| 306 | Catalin Stefan | Modelling groundwater recharge scenarios in Recife, (Brazil) using the web-based simulation tools of the INOWAS platform |
| 333 | Simon Ridley | Selecting a decision support system framework to assess the sustainability of human-water systems in urbanized environments: the case of the human-water system of Louvain-la-Neuve, Belgium. |
| 350 | Warren Meredith | Surface and groundwater dependence in natural and restored salt marsh lagoons: The case of La Pletera salt marshes |
| 365 | Davíd Brakenhoff | Quantifying and comparing spatial and temporal contributions of recharge, river stage and groundwater extraction in a groundwater monitoring network. |
| 411 | Andis Kalvans | The positive water balance feedback in hydric nemoral forests |
| 422 | Ralf Eppinger | Nitrate monitoring of groundwater in Flanders to evaluate the efficiency of manure policy for the protection of water quality |
| 424 | Ouangare Cheik Abba Cisse | Geogenic and anthropogenic assessment of groundwater in the basement aquifer of the communes of Dassa and Kyon in the Sanguié province (Center-West region) of Burkina |

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| 426 | Miguel Angel Díaz Hurtado | In situ nano-enhanced nitrate removal in groundwater using FeO nanoparticles: The LIFE NIRVANA project |
| 429 | Anja Koroša | Investigating properties of geotechnical fills from recycled materials by means of passive sampling |
| 430 | Nina Mali | Detecting persistent organic pollutants in groundwater by use of passive sampling |
| 434 | Mohammed Gad | Characterization of the hydraulic properties of an aquifer system using electrical and electromagnetic geophysical measurements |
| 446 | Frans Schaars | Monitoring the Development of a Fresh Ground Water Lens in Artificial Dunes. |
| 448 | Youcef Boudjana | Self-organizing maps for groundwater quality assessment of a Belgian chalk aquifer in the presence of 1,1,1-Trichloroethane abiotic degradation |
| 486 | Pierre-Yves Jeannin | A way to use karst groundwater for Managed Aquifer Recharge (MAR) |
| 494 | Andres Gonzalez Quiros | Jo.in Hydrocafe project: connecting and giving visibility to Early Career Hydrogeologists in the online world |
| 496 | Sergio Gil Villalba | Multi-isotopic assessment of potential chloroform remediation by a combined treatment of alkaline-activated persulphate in alkaline recharge water interception trenches |
| 500 | Maria Neves | Validation of GRACE satellite data for water resources management in Iberia |
| 504 | Titus Kruijssen | The SEALINK research project: Submarine groundwater discharge (SGD) affecting coral reef health around semi-arid islands in the Dutch Caribbean |
| 509 | Paulo Filipe Borges | Hydrogeologic domains and conceptual model of Graciosa Island (Azores - Portugal) |

Posters displayed on Thursday 9th and Friday 10th

| Number | Presenter | Title |
|--------|------------------------|--|
| 16 | Karel De Mey | Multi-purpose integrated water management actions on the surface, aiming a climate resilient groundwater state in the Campine basin, Belgium |
| 19 | Sarah Mutua | Conjunctive use of hydrochemistry and sparse groundwater level measurements to characterize groundwater flow of the ungauged Kano Plains aquifers in Western Kenya |
| 23 | Carmen Serrano Hidalgo | The key role of rainfall variability on the estimation of groundwater recharge rates. Implications for groundwater management plans. |
| 47 | Dalale Khouss | Geochemical and isotopic study of groundwaters in the Mitidja coastal plain, north central Algeria |
| 71 | Atefe Choopani | Land subsidence as revealed by PS-InSAR observations in the Antwerp area (Belgium): first steps towards the understanding and modelling |

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| 75 | Nawal Alfarrah | An Integrated Hydrological Model for the Restoration of Ecosystems and Flood Control: A Case Study in Mangelbeek Valley in Flanders, Province of Limburg Belgium |
| 77 | Louis Christiaens | Characterization of the nitrate contamination in the chalk aquifer of the Mons Basin (Belgium) using hydrochemical and isotopic analyses. |
| 84 | Chorfi hadjer | Hydrogeochemical assessment and geothermal modeling of some thermomineral waters: Case of Northern Algeria |
| 110 | Annabel Vaessens | Impact of subirrigation with treated domestic wastewater on groundwater: a field experiment in Kinrooi, Belgium |
| 115 | Marco Pettita | Interpreting salinization phenomena in the coastal groundwater of the Murgia aquifer (Apulia, Southern Italy) by means of B, Sr, O, and H isotopes |
| 137 | Mozimwè Ani | Hydroclimatic approach to evidence a past severe droughts and its consequences on water resource : application on the Kara River Basin and its aquifers (Togo) |
| 138 | Mozimwè Ani | Enhancing of the hydrodynamic knowledge of hard rock aquifers of the Kara watershed (Northern Togo) to improve the productivity of future boreholes |
| 140 | Boulbaba Haddaji | Thermal groundwater flow and temperature evolution in El Hamma geothermal aquifer, southeastern Tunisia |
| 152 | Marco Petitta | Recharge assessment and water table variation over time in Groundwater Dependent Ecosystem: possible implication on forest health in Castelporziano Presidential Estate, Rome, Italy |
| 159 | Seifu Kebede-Gurmessa | Historical pathways to water insecurity and the future risks on the water supply of Addis Ababa city |
| 163 | Yehualaeshet Tadesse | Impact of Sustainable land management on water availability in Aba Gerima watershed |
| 172 | Carmen Serrano Hidalgo | Study of the hydrological functioning of two coastal ponds in a UNESCO World Heritage Site in southern Spain |
| 175 | Anne Jost | Variability of interactions between groundwater, rivers and gravel pit lakes in the Seine alluvial plain of La Bassée, France |
| 190 | Emanuele Ferretti | Implementation of Water Safety Plan for Drinking Water Supply System Supplied from Groundwater Sources in the Municipality of Empoli, Italy |
| 202 | Lars Rosen | Comparing time series analysis methods for identification of groundwater impacts from construction projects in urban areas |
| 211 | Ainur Kokimova | Forensic hydrology through time series modeling of groundwater levels: A case study of the Grazer Feld, Austria |
| 213 | Willem Zaadnoordijk | Groundwater drought indicators |

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| 216 | Victor Klaba | Geological and hydrogeological modelling of Arcier karstic spring and its watershed (France) - TRANSKARST Project |
| 217 | Jordan Labbe | Vulnerability of alluvial hydrosystems to global change, case of the Allier River (France) and its alluvial aquifer. |
| 260 | Romain Deleu | Multi-Point Dye Tracing in Karstic Rivers: Early Results from Transversal Configuration |
| 268 | Min Lu | Three decades of characteristic groundwater levels in three floodplains of Belgian lowland catchments: A modelling approach |
| 276 | Serge Brouyère | Natural background levels in the groundwater bodies of Brussels Capital Region |
| 315 | Emiel Kruisdijk | Sorption assessment of 9 pesticides in an anoxic sandy aquifer during a continuous field injection experiment |
| 321 | Marc Parmentier | The URB'EAU project: Evaluate the sustainability of groundwater resource in a peri-urban area. Conciliate drinking water supply and land use of the metropolis of Lille. |
| 330 | Jérémy Flament | Groundwater Vulnerability and Nitrate Concentrations Survey in Karst Aquifers of Wallonia |
| 347 | Nadine Gärtner | Using water system services to prioritize between water protection measures |
| 358 | Jan Corluy | Developing an OOP Python library to query, visualise, analyse Flanders' groundwater data and report on status and trends |
| 370 | Jasper Claus | Long-term groundwater dynamics at Schietveld Houthalen-Helchteren |
| 394 | Karim Mohamed Ahmed Soliman | Transient spatially varied groundwater recharge modeling in an arid climate aquifer |
| 417 | Jef Dams | Water balance modelling for monitoring groundwater storage and valuing groundwater recharge, a case-study for Flanders |
| 419 | Vanessa Godoy | Machine learning as a tool to improve subsurface heterogeneity characterization |
| 461 | Fairouz Slama | Assessment of groundwater recharge rates under projected climate change in arid and semiarid Tunisia |
| 489 | Lærke Thorling | Results from Groundwater monitoring in Denmark, Nitrate and Pesticides |
| 492 | Kaleab Adhena Abera | Determination of tectonic and non-tectonic structures and their influence on groundwater resources of Mekelle area, Tigray |
| 498 | Maria Neves | Considering climate variability in the Water-Energy nexus in south Portugal |
| 499 | Maria Neves | Groundwater Drought Monitoring in the Algarve region |
| 501 | Lucía Ojeda | Changes in the hydrochemical and isotopic composition of epiperidotitic springs of the Ronda peridotites (Southern Spain) under wet and dry conditions |
| 502 | Bas des Tombe | Floppyparser: Convert MODFLOW input files to Python |
| 508 | Malan Ellefsen | Trying to understand the complexity of the groundwater-system in the fractured volcanic basalts of the Faroe Islands – a brief overview |

Arianne Castrechini Rodriguez

Hydrogeological characterization of a glacial moraine complex using ERT and IP measurements in conjunction with vadose zone modeling: a case study in the Veluwe area, Netherlands