

	MARE 1	MARE 2	MARE 3	MARE 4	DUBRAVA 1	DUBRAVA 2	LEVANT	
8:30-9:00	KEYNOTE BY ATTILA KOVÁCS Convener: Kristijan Posavec							
	T2.6. Regulatory framework of groundwater management Conveners: Michael Brenčić (michael.brencic@ntf.uni-lj.si), Kristijan Posavec (kristijan.posavec@rgn.hr)	T6.3. Sea-aquifer relationship – using new and old tools Conveners: Yoseph Yechieli (yechieli@gsi.gov.il)	T6.4. Management of groundwater resources of coastal aquifers Conveners: Maurizio Polemio (m.polemio@ba.irpi.cnr.it), Vincent Post (Vincent.Post@bgr.de)	T8.1. Groundwater and Energy Conveners: Grant Ferguson (grant.ferguson@usask.ca), Nina Rman (Nina.Rman@GEO-ZS.SI)	T4.2. Monitoring of groundwater quality and contamination Conveners: Sanja Kapej (sanja.kapej@zg.t-com.hr), Istvan Forizs (forizs.istvan@csf.mta.hu)	T8.3. Hydrogeochemistry of thermal and mineral waters Conveners: Staša Borović (stasa.borovic@bgi-cgs.hr), Sebnem Arslan (sebnem_okten@yahoo.com)		
9:00-9:15	T2.6.1 Johanna Koehler: "A Cultural Theory of Groundwater Risks and Social Responses in Rural Kenya"	T6.3.1 Josip Terzić: "Possibilities of increasing fresh water abstraction on the karst island of Korčula (Croatia)"	T6.4.1 Maurizio Polemio: "A comprehensive approach to the knowledge of the coastal carbonate aquifers of Adriatic and Ionian Seas"	T8.1.1 Grant Ferguson: "Characterizing Permeability in Deep Aquifers"	T4.2.18 Giuseppe Sappa: "Real time karst spring monitoring: first results about the groundwater circulation in the karst aquifer feeding Pertuso Spring"	T8.3.8 Joyce Tryphina Leshomo: "Uranium, Nitrate and Fluoride in drinking water of the Karoo Uranium Province, South Africa"		
9:15-9:30	T2.6.2 MEHMET EKMEKCI: "Challenges and consequences of groundwater development in Turkey: Perspectives on implementation of the EU-water framework directive and the sustainability concept"	T6.3.2 Stephan Seibert: "Characterization of the redox system of freshwater reservoirs below the back barrier island Spiekeroog"	T6.4.2 David Pulido-Velazquez: "Integrated assessment of hydrological impacts of potential future scenarios of climate, land use change and Sea Level Rise on a coastal Mediterranean aquifer. The Plana Oropesa-Torrealanca aquifer."	T8.1.2 Maximilian Frick: "3D coupled fluid and heat flow modelling of the subsurface of Berlin, Germany"	T4.2.19 Ahmad Taufiq: "Estimating groundwater mixing ratios using hydrogeochemistry parameters and nitrate isotopes due to excessive groundwater pumping in the Bandung basin, Indonesia"	T8.3.9 Patrick Lachassagne: "Explaining the CO2 and mineral water journeys from the earth mantle to subsurface carbogaseous aquifers and springs"		
9:30-9:45	T2.6.3 Lucio Martarelli: "Common and different features of Chinese and Italy hydrogeological mapping guidelines"	T6.3.3 Yoseph Yechieli: "Direct determination of the rate of seawater intrusion with noble gases"	T6.4.3 Judith Flüge: "Water Management in Coastal Areas under the Conditions of Climatic and Demographic Change at the German Coast"	T8.1.3 Stefano Lo Russo: "Influence of dynamic viscosity in geothermal Open Loop Systems modelling"	T4.2.20 Vojo Mircovski: "Hydrochemical characteristics of the groundwaters in Prilep's part of Pelagonia valley – Republic of Macedonia"	T8.3.10 Sebnem Arslan: "Gas geochemistry studies in geothermal and mineral waters of Mugla (SW Turkey)"		
9:45-10:00	T2.6.4 Jelena Loborec: "Specific vulnerability assessment in karst system, example of Jadro and Zrnovnica springs catchment area, Croatia"	T6.3.4 Satoshi Ishida: "Distribution of groundwater age and fluctuation of NO3-N concentration in groundwater in the reservoir area of Sunagawa underground dam, Miyako Island, Japan."	T6.4.4 Salvatore Carrubba: "ACVM (Aquifer Comprehensive Vulnerability Mapping) - A new tool for assessing potential impacts on the sustainability of coastal aquifers and habitats."	T8.1.4 Mohammadreza Jalali: "A Multi-scale Approach toward understanding the Hydraulic Characteristics of the Stimulated Fractured Crystalline Rock"	T4.2.21 Shiyi He: "Study on Carbon sequestration flux and its annual dynamic variation in watershed systems of Yangtze River, Yellow River and Pearl River, China"	T8.3.11 Elena Kayukova: "Hydrogeochemical study of mud volcanoes in the Eastern Crimea"		
10:00-10:15	T2.6.5 Andrew Ross: "Making the transition to conjunctive water management"	T6.3.5 Emily Hepburn: "Origins of groundwater salinity at Fishermans Bend, Australia: Evidence from groundwater ages, stable isotopes and tidal influences"	T6.4.5 Leticia Baena Ruiz: "Assessment of seawater intrusion problems (status and vulnerability) at different spatial scale. Contribution to the analysis of coastal aquifers in accordance with the WFD."	T8.1.5 Stefano Viaroli: "Groundwater budget calculation of the Riardo Plain aquifer (Southern Italy) for conjunctive sustainable uses."		T8.3.12 Anita Eröss: "Flow system analysis of the Villány thermal karst area, Hungary"		
10:15-10:30	T2.6.6 Brent Bowerman: "Proactive Water Communication by Oil and Gas Operators in Western Canada"	T6.3.6 Rattana Thirathitham: "Water-rock interaction in Eocene aquifers of Qatar: Hydrochemical evidence of dedolomitisation driven by gypsum dissolution."	T6.4.6 Dragan Radojevic: "Development of groundwater vulnerability model for the purpose of regional spatial plan of Montenegro coastal area"	T8.1.6 Maciej Klonowski: "Safety of groundwater resources in terms of development of shallow geothermal energy installations"				
10:30-11:00	COFFEE BREAK IN HALL							
	T2.6. Regulatory framework of groundwater management Conveners: Michael Brenčić (michael.brencic@ntf.uni-lj.si), Kristijan Posavec (kristijan.posavec@rgn.hr)		T6.4. Management of groundwater resources of coastal aquifers Conveners: Maurizio Polemio (m.polemio@ba.irpi.cnr.it), Vincent Post (Vincent.Post@bgr.de)					
11:00-11:15	T2.6.7 Daniela Benedicto van Dalen: "The Groundwater Game: A Serious Game on Improving Groundwater Management through Cooperation and Collective Action"		T6.4.7 Vincent Post: "Evaluation of management rules for the sustainable management of freshwater lenses using script-based models"					
11:15-11:30	T2.6.8 Kornelius Riemann: "Unitisation – a Community-Based Approach to Aquifer Management"		T6.4.8 Roland Barthel: "Groundwater management in coastal zones and on islands in crystalline bedrock areas of Sweden"					
11:30-11:45	T2.6.9 Andreas Antoniou: "Indicator based approach to prioritise transboundary aquifers at risk from development stress, pollution or climate change"		T6.4.9 Nils Moosdorf: "Societal use of submarine groundwater discharge: Examples of an underresearched water resource"					
11:45-12:00	T2.6.10 Jeroen November: "Tackling illegal groundwater abstractions: A must for groundwater governance"							
	POSTER SESSIONS IN HALL T4, T7							
8:30-12:00	T4.1.4 Carlos Maldaner: "Identifying hydraulically active flow paths in boreholes using A-DTS thermal response tests"	T4.2.26 Marek Sołtysiak: "Groundwater monitoring in vicinity of roads"	T4.2.32 Krzysztof Dragon: "Nitrates migration in the regional groundwater recharge zone (Lwówek region, Poland)"	T4.3.9 Haruka KIYOTOMO: "Fluorescent Dye Tracing in Thermally Enhanced Bioremediation: Monitoring of spatio-temporal organic substrate distribution using Eosin Y – a case study"	T7.1.5 DUNYU LYU: "Effects of pH and organic matter content on the sorption behaviors of sulfamethoxazole in two different vadose soils"	T7.2.9 Emilie Garel: "Groundwater-socio dynamic of a coastal system: A paradigm key for the resilience of a lagoon ecosystem"	T7.3.8 Anna Jaros: "Groundwater-surface interactions in a boreal forest-fen catchment – a modelling case study of Pallaslompola, Finnish Lapland"	
	T4.1.5 Soo-Hyoung Lee: "Study of groundwater changes caused by 2016 M5.4 Gyeongju earthquake, South Korea"	T4.2.27 Kei Nakagawa: "Hydrogeochemical characteristics of groundwater quality in Shimabara, Nagasaki, Japan"	T4.2.33 Azusa Okumura: "Behaviors of nitrate in unsaturated zone in groundwater recharge area in Kumamoto, southern Japan"	T4.3.10 Lukasz Chabudziński: "Isotopic composition of currently infiltrating water in Roztocze (SE Poland)"	T7.1.6 Dong-Hun Kim: "Metagenomic Approach for the Prediction of Composition and Connectivity between Water Sources"	T7.2.10 Diego Di Curzio: "Multivariate geostatistical techniques for redox zonation assessment in a tropical alluvial aquifer"	T7.3.9 Xiaomei Jin: "Variation of wetlands and its response to groundwater dynamics in an arid region"	
	T4.2.22 Tatiana Tavares: "Characterization of the Groundwater Quality in a Poultry Production Area"	T4.2.28 Damian Zięba: "Identification of nitrate origin in groundwater by measurements of δ15N and δ18O and N2 excess."	T4.2.34 Lateef Kolawole: "Geochemistry and Evolution of the Water-rock Systems, using Trace and Rare Earth Elements in Upper Awum Catchment, Lower Niger River Basin, North-Central Nigeria"	T4.4.8 Se-Young Hamm: "Evaluating Groundwater Level Change in Yangsan Fault Zone due to small-scale earthquakes, South Korea"	T7.1.7 Guillaume Bertrand: "Methodological development for mapping of groundwater dependent ecosystems. Example from Switzerland"	T7.2.11 Elina Isokangas: "Spatial and temporal changes in groundwater dependence of headwater streams in boreal region"	T7.3.10 Lukrecija Butorac: "Sediment transport in relation of forest cover progression in a small scale Mediterranean catchment"	
	T4.2.23 Witkowski Andrzej: "Contamination of urban snow in the area of Faculty of Earth Sciences – Sosnowiec, Poland"	T4.2.29 Sebnem Arslan: "Irrigation Water Quality in Koprucoren Basin, Kutahya, Turkey"	T4.3.6 SEONG-SUN LEE: "CO2-infused groundwater and gas tracers leakage test using shallow-depth groundwater and gas monitoring network"	T4.4.9 Florian Krause: "Hydrogeophysical investigation of the fresh water-salt water distribution above a salt dome"	T7.1.8 DANIEL SCRADANU: "Stress-induced over NATURA 2000 sites in Romania, based on the land use and the state of groundwater and terrestrial ecosystems"	T7.2.12 Željka Brkić: "Assessment of groundwater status in areas with groundwater-associated aquatic and terrestrial ecosystems in Croatia"	T7.3.11 Tamara Jakovljević: "Environmental monitoring and forest-water relationship in Mediterranean forest ecosystems"	
	T4.2.24 Soonjae Lee: "Detection of diesel release into soil using hydraulic control system with resistivity sensor"		T4.3.7 Takeo Tsuchihara: "Comparative study of regional distributions of stable isotopic ratios of hydrogen and triple oxygens in spring water and irrigation-pond water across Japan"	T4.5.4 Maryam Bayat-Varkeshi: "Assessment of wavelet transform in estimation of evaporation in three different climates"	T7.2.7 Kyung-Seok Ko: "Characterization of dissolved organic matter in groundwater and surface water in artificial recharge demonstration site using fluorescence 3D EEM-PARAFAC"	T7.2.13 Yunjung Hyun: "Potential impacts of drought to stream baseflow"	T7.3.12 Anne Mehrtens: "Field investigations on the behavior of Sulfamethazine and Tetracycline in soil and groundwater"	
	T4.2.25 Jiale Li: "Fate of antibiotics in the soil-groundwater system in sewage irrigation area"	T4.2.31 Eleonora Frollini: "Volume estimation of free LNAPL in groundwater: comparison of Pancake Model and Vertical Equilibrium Model results and identification of critical points"	T4.3.8 Sten-Magnus Mostek: "Fluorescent Dye Tracing in Thermally Enhanced Bioremediation: Laboratory Experiments on Biodegradation and Solute Transport of Eosin Y"	T7.1.4 Rosa Troncoso: "Hydrogeological and hydrochemical characteristics of volcanic environments supporting groundwater dependent extremophile communities in Chilean Central Andes (22°50'-26°05'S)"	T7.2.8 Chabudziński Łukasz: "Conditions of recharge and discharge of groundwater in a small basin with a complex geological structure - Lutynka River basin (SE Poland)"	T7.3.7 Catherine Coxon: "Characteristics of groundwater and surface water in dune slacks in north-west Ireland under differing management regimes"		
12:00-13:00	LUNCH IN HOTEL RESTAURANT							
13:00-14:00	CLOSING CEREMONY							