

	MARE 1	MARE 2	MARE 3	MARE 4	DUBRAVA 1	DUBRAVA 2	LEVANT	KOKPIT
9:30-10:30	OPENING CEREMONY							
10:30-11:00	COFFEE BREAK IN HALL							
11:00-11:20	KEYNOTE BY ALICE AURELI (UNESCO)							
11:20-11:40	THEMATIC LECTURE - KARST MAP BY NICO GOLDSCHIEDER							
11:40-12:00	THEMATIC LECTURE - DIKTAS							
12:00-13:30	LUNCH IN HOTEL RESTAURANT							
13:30-14:00	KEYNOTE BY BOŽIDAR BIONDIĆ Convener: Kristijan Posavec							
	T2.1. Sustainable management of groundwater resources in Central Europe (CE) – 3rd IAH CE Convener: Agnes Tahy (tahy.agnes@ovf.hu), Maciej Klonowski (mklo@pgi.gov.pl)	T2.2. The role of groundwater in reducing poverty Convener: Alan MacDonald (amm@bgs.ac.uk) and Viviana Re (viviana.re@univp.it)	T3.4. Groundwater flow and transport modelling Convener: Neven Krešić (neven.kresic@amec.com), Ozren Larva (ozren.larva@hgi-cgs.hr)	T4.3. Tracer experiments and application of natural isotopes in groundwater studies Convener: Tamara Marković (tamara.markovic@hgi-cgs.hr), Teodora Szocs (szocs.teodora@mfgi.hu)	T1.1. Groundwater heritage and trends in water levels, flows and quality Convener: Bruce Misstear (bmisstear@tcd.ie), Kristijan Posavec (kristijan.posavec@rgn.hr), Slobodan Miko (smiko@hgi-cgs.hr)	T5.2. Functionality and control of groundwater flow in karst Convener: Michael Brenčič (mihael.brencic@ntf.uni-lj.si), Francesco Fiorillo (francesco.fiorillo@unissannio.it)		
14:00-14:15	T2.1.2 Janos Szanyi: "Determination of minimum distance between production and injection wells in highly used porous geothermal reservoirs"	T2.2.1 Tim Foster: "A multi-decadal financial assessment of groundwater services for low-income households in rural Kenya"	T3.4.1 Mariusz Czop: "Numerical modeling of the groundwater pollution and contaminant plume migration from the industrial waste site in Stalowa Wola (South Poland)"	T4.3.1 Thomas Vienken: "Chasing the tracer - combining conventional salt tracer testing with direct push electrical conductivity profiling for enhanced aquifer characterization"	T1.1.1 Bruce Misstear: "Groundwater heritage: the Holy wells of Ireland"	T5.2.1 Saša Milanović: "ANALYSIS OF DRAINAGE BOREHOLES FUNCTIONALITY ON PP GRANČAREVO ANCHOR FIELD"		
14:15-14:30	T2.1.3 Anna J. Żurek: "Lagtime of pollutant transport through catchments: reducing nutrient loadings to the Baltic Sea"	T2.2.2 Paul Pavelic: "Addressing seasonal flooding and groundwater depletion issues through innovations in MAR: Pilot tests and modelling to evaluate technical feasibility in the Ramganga basin, India"	T3.4.2 Daniele Pedretti: "Role of connectivity when modeling solute transport nearby pumping wells in heterogeneous media"	T4.3.2 Kent Novakowski: "Comparison of Characterization Methods Used to Develop Conceptual Models for Discrete Fracture Networks"	T1.1.2 Julian Conrad: "The springs of the City of Cape Town: Heritage and proposed spring use strategy"	T5.2.2 Zahra Saleh: "Application of sequence stratigraphic surfaces in karst hydrogeology: a case study from the Lar Formation, Central Alborz, Iran"		
14:30-14:45	T2.1.4 Branka Bracic Zeleznik: "The Groundwater Level Trends - the Human impacts vs. Climate Change"	T2.2.3 Sospeter Wekesa: "Analyzing the groundwater potential and spatiotemporal interactions with surface water in the Sand River, Mara Basin, Kenya"	T3.4.3 Diego Di Curzio: "Reactive transport modeling for the evaluation of field scale substrate competition in a complex contaminated site"	T4.3.3 Jaeyeon Kim: "Monitoring groundwater-surface water interactions through radon tracer and microbial diversity around ground water heat pump system"	T1.1.3 Neno Kukurić: "The Value of Groundwater and Groundwater Heritage"	T5.2.3 Nadine Goeppert: "Compendium of more than 140 years of hydrogeological research at the Danube-Aach System, Germany"		
14:45-15:00	T2.1.5 Arianna Musacchio: "Socio-hydrogeological assessment of nitrate contamination in areas of intensive agricultural use: the case of the Lombardy Plain (North Italy)"	T2.2.4 Fabio Fussi: "Characterization of shallow aquifers in Guinea Bissau to support the promotion of manual drilling at country level"	T3.4.4 Ewa Kret: "Specifics of contaminant plume migration from the tailing pond within multilayer Quaternary aquifer with important influence of the river hyporheic zone"	T4.3.4 István Fórizs: "Relationship between the isotopic characteristics of local precipitation and groundwater"	T1.1.4 Ahmed Fekri: "An over exploited alluvial shallow aquifer in arid climate: threat and perspectives. Case of Feija (Morocco)"	T5.2.4 Mihael Brenčič: "Extreme and record discharges of Ljubljana karstic spring system (Slovenia)"		
15:00-15:15		T2.2.5 David Walker: "Comparison of multiple groundwater recharge assessment methods for a shallow aquifer: Why are the results so varied?"		T4.3.5 Katarina David: "Geochemical methods for characterisation of organic material and groundwater in upland peat swamps"		T5.2.5 Anita Erőss: "Hydrogeological controls on hypogenic cave formation - case study from Budapest (Hungary)"		
15:15-15:30		T2.2.6 Adrian Healy: "Exploiting our groundwater resource: choices and challenges in managing the water commons"						
15:30-16:00	COFFEE BREAK IN HALL							
	T2.1. Sustainable management of groundwater resources in Central Europe (CE) – 3rd IAH CE Convener: Agnes Tahy (tahy.agnes@ovf.hu), Maciej Klonowski (mklo@pgi.gov.pl)	T2.2. The role of groundwater in reducing poverty Convener: Alan MacDonald (amm@bgs.ac.uk) and Viviana Re (viviana.re@univp.it)	T3.4. Groundwater flow and transport modelling Convener: Neven Krešić (neven.kresic@amec.com), Ozren Larva (ozren.larva@hgi-cgs.hr)	T4.1. Monitoring of groundwater levels and flows Convener: Barbara Čenčur Čurk (barbara.cencur@ntf.uni-lj.si)	T1.1. Groundwater heritage and trends in water levels, flows and quality Convener: Bruce Misstear (bmisstear@tcd.ie), Kristijan Posavec (kristijan.posavec@rgn.hr), Slobodan Miko (smiko@hgi-cgs.hr)	T5.2. Functionality and control of groundwater flow in karst Convener: Michael Brenčič (mihael.brencic@ntf.uni-lj.si), Francesco Fiorillo (francesco.fiorillo@unissannio.it)		
16:00-16:15	T2.1.6 Brenčič Mihael: "Drinking water protection zones in Adriatic and Ionian region"	T2.2.7 Georg J. Houben: "Groundwater resources for the arid North of Namibia from an inland mega-fan system"	T3.4.5 Martina aus der Beek: "Applying modelling results to a modified query: The regression of chloride on modelled TDS"	T4.1.1 Sébastien Kech: "Assessing the potential groundwater withdrawals from water wells: a simplified method"	T1.1.5 Koki Kashiwaya: "Cause for spatial variation in tritium concentrations of groundwater in the southern coastal region of Fukushima, Japan"	T5.2.6 Nataša Ravbar: "Identifying flow dynamics and solute transport in a high karst plateau using tracer tests - a case study of the Javorniki – Snežnik karst massif (Slovenia)"		
16:15-16:30	T2.1.7 Ranko Biondić: "Groundwater status assessment of the Dinaric karst area of Croatia"	T2.2.8 Viviana Re: "Integrated socio-hydrogeological approach to tackle nitrate contamination in groundwater resources. The case of Grombala Basin (Tunisia)"	T3.4.6 Luca Alberti: "Statistical methods and stochastic modeling to assess groundwater PCE diffuse pollution in Milan Functional Urban Area"	T4.1.2 Matthys Dippenaar: "Contributions to the Characterisation of the Vadose Zone for Hydrogeological Applications"	T1.1.6 Stefania Stevenazzi: "Influence of air pollution on rainfall chemistry and impacts on groundwater quality in the Milan urban area, Italy"	T5.2.7 Francesco Fiorillo: "Main hydraulic features of the upwelling water flux feeding karst springs"		
16:30-16:45	T2.1.8 Barbara Karleuša: "Sustainable Management of Groundwater Resources in the Context of Climate Change Impact Assessment - Examples from Croatian Karst areas"	T2.2.9 Richard Taylor: "Large-scale modelling of groundwater resources: insight from the comparison of models and in-situ observations in Sub-Saharan Africa"	T3.4.7 Changli Liu: "Experimental and numerical study of pollutant migration process in an aquifer in relation to Shaziyang garbage dump field"	T4.1.3 Yung-Chia Chiu: "The Use of Thermograph and Hydrograph to Estimate Water Fluxes Across the Streambed at the Tributary of Chichianan Creek, Taiwan"	T1.1.7 Chisato Yamada: "Mechanisms of groundwater level changes after the 2016 Kumamoto earthquake"	T5.2.8 John Sharp: "RECHARGE TO THE KARSTIC EDWARDS AQUIFER"		
16:45-17:00						T5.2.9 Giorgia Lucianetti: "Use of artificial and natural tracers to identify groundwater flow components in a high-alpine karst system (Dolomites, Italy)"		
17:00-19:00	POSTER SESSIONS IN HALL T1, T3, T8							
	T1.1.9 David Krcmar: "Development of the subsurface heat island beneath Bratislava city."	T1.2.5 Yongcheol KIM: "Experimental case study to evaluate MAR efficiency using hydraulic tests in a fractured aquifer at Sangju, South Korea"	T3.2.14 Annina Kittilä: "DNA nanotracers in characterization of stimulation enhanced pore space in fractured rock"	T3.4.10 Jeong-Gi Um: "Effect of hydraulic aperture distributions on block hydraulic properties of the 2-D discrete fracture network system"	T3.4.16 Li-tang Hu: "Numerical Simulation of Regional Groundwater Flow in a Data-poor Region, China"	T3.5.21 Anna Andrychowicz: "Groundwater conditions in section of Cracow – Tarnow highway A4 (Upper Vistula Catchment)"	T8.2.7 Mitja Janža: "Challenges of sustainable use of groundwater resources in an urban area (Ljubljana case study)"	T8.3.17 Goran Marinković: "QUALITY AND UTILIZATION POTENTIAL OF SERBIA'S MINERAL WATER RESOURCES"
	T1.1.10 Serban Danielescu: "Using a multipronged approach for assessing temporal and spatial trends of nitrogen transport in the subsurface in an agricultural watershed in Atlantic Canada"	T1.2.6 Jozef Gorski: "The influence of long-term hydrological droughts on groundwater chemistry on river bank filtration site"	T3.2.15 Fanilo Ramasomanana: "Numerical modeling of reactive transport in fractured porous media: Application to the Aquifer Storage and Recovery project in Qatar"	T3.4.11 Junya Okajima: "Groundwater flow and mass transport regimes around a fault from numerical simulation and environmental tracer analyses"	T3.4.17 Ádám Tóth: "Role of fluid driving forces in large sedimentary basins — case study from the Pannonian Basin, Hungary"	T3.5.22 Orlando Mauricio Quiroz Londoño: "Mathematical modeling of the Mar del Plata Aquifer and transference to the Water Manager Authorities"	T8.2.8 Tamara Marković: "Geothermal potential of Krapinsko – Zagorska County - Croatia"	T3.5.26 Tussane Nettasana: "Groundwater flow modelling of the multi-aquifer system of the Lower Chao Phraya Basin, Central Thailand"
	T1.1.11 Li Meng: "The Research of PCA –APCS- MLR Method in Regional Groundwater Pollution Solution Quantitative Analysis"	T1.2.7 Hélène CELLE-JEANTON: "Long term chronicles of water physico-chemistry to assess human pressures and climate changes (AUVERWATCH project)"	T3.3.6 Sonja Cerar: "A spatial distribution of chemical and isotopic parameters of groundwater in Slovenia"	T3.4.12 Tiago Gomes: "HYDROGEOLOGICAL CHARACTERIZATION AND NUMERICAL SIMULATION OF THE PYROCHLORE DEPOSIT, ASSOCIATED TO BARREIRO ALCALINE CARBONATITIC COMPLEX, ARAXÁ - BRAZIL"	T3.4.18 K. A. Raoul Kpegli: "Using a combined classic hydrogeological, hydrochemical and isotopic approach for a conceptual groundwater flow model development in southern Benin."	T3.5.23 Kamila Buszta: "Multivariate drainage forecasts of the open limestone pit mine „Celiny” (South Poland)"	T8.3.13 Jingli Shao: "Genesis analysis of thermal and cold springs occurred within a small area based on isotopic and hydrochemical evidence: a case study in Arxan, northern China"	
	T1.1.12 Kristijan Posavec: "Identification of Groundwater Level Decline since the Seventies of the Twentieth Century – Casey study of the Zagreb and Samobor-Zaprešić Aquifers, Croatia"	T3.1.10 Anja Koroša: "Flow and transport parameters in coarse gravel unsaturated zone"	T3.3.7 Hyun Jung Kim: "Numerical simulation of dissolved CO2 migration considering geological heterogeneity in a shallow aquifer at EIT site, Republic of Korea"	T3.4.13 Monika Okońska: "Identification of mathematical model and parameter estimation of Erythromycin migration in two different porous media based on column tests"	T3.5.18 Sascha Roopa: "Can numerical modelling be used in the assessment and remediation of hydrocarbon contaminated sites, and if so, in what capacity?"	T3.5.24 CIDDEM YUCEL: "Use of Geographic Information Systems in Geology and Hydrogeology Engineering"	T8.3.14 Yun Uk: "Radon and uranium concentrations in the Dego spa waters in Republic of Korea"	
	T1.1.13 Kristijan Posavec: "Historical and Future Trends of Groundwater Levels – 30-year Forecast for Zagreb and Samobor-Zaprešić Aquifers, Croatia"	T3.1.11 Younes FAKIR: "Using heat measurement to assess Rheraya stream losses to the alluvial aquifer within the Haouz basin (Central Morocco)"	T3.4.8 Maryam Bayat-Varkeshi: "Comparison of numerical model, neural intelligent and geostatistical in estimating groundwater table"	T3.4.14 Dominika Bar-Michalczyk: "Modelling impact of changing in agricultural land use on the nitrogen outflow from middle size catchment in S Poland"	T3.5.19 Nuno Barreiras: "Development of a Decision Support System (DSS) in a GIS platform to integrate transport modelling results of soil-surface and groundwater contaminants"	T8.1.7 Qiulan Zhang: "Prediction of deep mining water discharge in Wushan Copper Mine"	T8.3.15 Ferid Skopljak: "The Genesis of the Thermal-mineral Waters of fliđža near Sarajevo, Bosna i Hercegovina"	
	T1.2.4 Tímea Havril: "Effects of hydrological extremes and climate change on surface water – groundwater interaction: Example of the Tihany Peninsula, Hungary"	T3.2.13 Benjamin Schima: "Sensitivity analysis of a distributed karst hydrological model at a Floridan karst aquifer"	T3.4.9 Soonjae Lee: "Determination of bacterial sorption type during the transport in the areal two-dimensional sandy aquifer"	T3.4.15 Javier Rodrigo-Illari: "Numerical simulation of organic contaminants spills on the vadose zone using a simple one-dimensional finite differences model"	T3.5.20 Javier Rodrigo-Illari: "Geostatistical characterization of contamination sources: application to a municipal solid waste landfill in Spain"	T8.1.8 Masahiko SAITO: "Numerical study on heat transport in non-uniform aquifers"	T8.3.16 Cholwoong Lee: "Water quality of the Onyang hot spring water"	
					NATIONAL CHAPTERS MEETING FROM 17:45 TILL 18:45	COMMISSION ON MANAGING AQUIFER RECHARGE		BURDON GROUNDWATER NETWORK FOR INTERNATIONAL DEVELOPMENT
20:00	ECHN EVENT IN HOTEL'S DISCO							