

# International Conference on Groundwater in Fractured Rocks

CHAVES, PORTUGAL 5-7 JUNE 2017



Honorary session for Jiri Krásný

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## DETAILED PROGRAM

Time	5 June	6 June	7 June	
08:00 – 09:00	Registration	Field Trip (Includes lunch)	QUANTITATIVE ANALYSIS OF CENOZOIC FAULTS AND FRACTURES AND THEIR IMPACT ON GROUNDWATER FLOW IN IRISH BEDROCK AQUIFERS. John Moore	
09:00 – 09:15			GROUNDWATER RECHARGE QUANTIFICATION IN THE GRANITIC AND METASEDIMENTARY BASIN OF TERVA RIVER'S UPPER VALLEY (N PORTUGAL). Bárbara Pereira	
09:15 – 09:30			THE TRANSITION ZONE – INVESTIGATING THE POTENTIAL FOR GROUNDWATER FLOW AND CONTAMINANT TRANSPORT IN FRACTURED BEDROCK: EXAMPLES FROM IRELAND. Katharine Tedd	
09:30 – 09:45	Opening		SLUGTESTS IN FRACTURED AQUIFERS – ADVANTAGES AND CAVEATS. Martin Sauter	
09:45 – 10:00	Jiri Krásný Session		SPATIO-TEMPORAL VULNERABILITY ASSESSMENT IN FRACTURED GROUNDWATER SYSTEMS Teresa Albuquerque	
10:00 – 10:15			VULNERABILITY AND PROTECTION OF SPRINGS AND WELLS FOR RURAL SUPPLIES IN FRACTURED ROCK AREAS IN ABEGONDO (GALICIA, SPAIN). Acacia Naves	
10:15 – 10:30			Coffee break	
10:30 – 10:45			GEOELECTRICAL PROSPECTING FOR WATER-FILLED FRACTURED BASEMENT WITHIN KUNDU, NORTH CENTRAL NIGERIA. Christopher Unuevho	
10:45 – 11:00			HYDRAULIC PARAMETERS OF BEDROCK WELLS IN THE MINHO REGION, NORTHERN PORTUGAL. Jorge Oliveira	
11:00 – 11:15	Coffee break		GEOPHYSICAL IDENTIFICATION OF MINERAL WATER IN FRACTURES. Enrique Aracil	
11:15 – 11:30	A GROUNDWATER SPRING IN FRACTURED ROCK MANAGED IN PREHISTORY AT THE FOZ DO TUA ROCK SHELTER (DOURO VALLEY, PORTUGAL). Manuel Abrunhosa		THE STRANGE WAY OF SPRINGS. Enrique Aracil	
11:30 – 11:45	CONCEPTUAL HYDROGEOLOGICAL MODEL OF GROUNDWATER FLOW THROUGH FRACTURED SCHISTS FOR THE DESIGN OF WATER SUPPLY IN RURAL AREAS OF ABEGONDO (GALICIA, SPAIN). Javier Samper		MULTI-METHOD GEOPHYSICAL APPROACH FOR GROUNDWATER PROSPECTING IN GRANITIC ROCKS - NW PORTUGAL CASE STUDY. José Ferreira	
11:45 – 12:00	THE CONCEPTUAL MODEL OF WEATHERED HARD ROCK AQUIFERS. APPLICATION TO THEIR SURVEY, MANAGEMENT, MODELLING AND PROTECTION. Patrick Lachassagne		A MULTIDISCIPLINARY APPROACH TO UNDERSTAND GROUNDWATER FLOW IN FRACTURED AQUIFERS WITH DIFFERENT LITHOLOGIES: A CASE STUDY IN THE CENTRAL ALPS (FIRST RESULTS). Gilbert Binda	
12:00 – 12:15	GROUNDWATER RESOURCES AND CLIMATE CHANGE IMPACTS ON FRACTURED ROCK AQUIFERS IN ABEGONDO (GALICIA, SPAIN). Javier Samper	Lunch		
12:15 – 12:30	Lunch	GROUNDWATER FLOW MODELLING OF THE HYDROGEOLOGICAL EFFECTS OF TUNNEL CONSTRUCTION IN FRACTURED ROCKS OF GALICIA. Javier Samper		
12:30 – 14:00	SURFACE-TO-TUNNEL NATURAL TRACER TRANSPORT MODELLING WITH VARIOUS RECHARGE VARIANTS. Aleš Balvín	NUMERICAL MODELING OF GROUNDWATER RESOURCES AND MANAGEMENT OF FRACTURED ROCKS IN SANTA MARÍA DE OIA (GALICIA, SPAIN). Javier Samper		
14:00 – 14:15	GROUNDWATER INFLOWS ANALYSIS IN A HIGHLY FRACTURED MASSIF. STUDY CASE: THE "LA LÍNEA" TUNNEL PROJECT, COLOMBIA. Adriana Piña	ATTEMPT OF REMOTE SENSING SCALING OF THE NET RECHARGE OVER THE HARD ROCKS OF THE WHOLE DEHESA-MONTADO AREA. Maciek Lubczynski		
14:15 – 14:30	A SIMPLE METHOD FOR ESTABLISHING THE RELATIVE PRODUCTIVITY OF FRACTURED SHALLOW AQUIFERS. Miguel Auge	HYDROGEOCHEMICAL ASSESSMENT OF THERMAL WATER IN FRACTURED ROCKS – A PORTUGUESE CASE STUDY. Margarida Antunes		
14:30 – 14:45	INFLUENCE OF "LOW PERMEABLE ROCKS" IN THE HYDROLOGICAL AND HYDROGEOCHEMICAL BEHAVIOR OF VERDE RIVER BASIN (PROVINCE OF MALAGA, SOUTHERN SPAIN). Bartolome Andreo	CHARACTERISING THERMAL WATER CIRCULATION IN FRACTURED BEDROCK USING A MULTI-DISCIPLINARY APPROACH: A CASE STUDY OF ST. GORMAN'S WELL, IRELAND. Sarah Blake		
14:45 – 15:00	WHERE DOES THE WATER COME FROM? COMBINING GEOLOGICAL INFORMATION, WATER LEVEL MEASUREMENTS, ISOTOPIC DATA, AND GIS ANALYSIS, TO CHARACTERIZE RECHARGE PROCESSES AT THE CERRO BRILLADOR MINE, ARID NORTH-CENTRAL CHILE. Ricardo Oyarzún	Closing session		
15:00 – 15:15	GROUNDWATER FLOW CHARACTERISTIC IN FRACTURED SYSTEM DURING DRY PERIOD BASED ON SPRING'S OBSERVATION. Stanisław Staško			
15:15 – 15:30	Coffee break			
15:30 – 15:45				
15:45 – 16:00				
16:00 – 16:15	CALDELAS AND GERÊS HYDROTHERMAL SYSTEMS (NW-PORTUGAL): A GEOCHEMICAL AND ISOTOPIC ASSESSMENT. Paula Carreira			
16:15 – 16:30	THE "EYES" OF GEOSCIENCES IN THE ASSESSMENT OF CHAVES CO2-RICH THERMAL WATER SYSTEM: A REVIEW. José Marques			
16:30 – 16:45	WATER QUALITY IN THE FREIXEDA ABANDONED GOLD MINE AFTER REMEDIATION. Maria Rosário Costa			
16:45 – 17:00	THE IMPORTANT QUANTITATIVE ROLE PLAYED BY THE WEATHERING PROFILE IN CRYSTALLINE THERMO-MINERAL CARBO-GASEOUS AQUIFERS. Patrick Lachassagne			
17:00 – 17:15	Meeting of the FRH Network			
17:15 – 17:30				
17:30 – 18:00				