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Conference Sessions (per 29 March 2009)

The ORAL sessions are:

Session A: Interactions between surface water, hyporheic zone, saturated and unsaturated groundwater
Session C: Plant-groundwater interactions
Session D: Links between hydrology and biogeochemistry in groundwater
Session E: Modelling surface-water-groundwater systems
Session F: Interactions between hydrology and ecology
Session G: Management, legal and regulatory issues
Session H: Indicators of groundwater and surface water quality
Session I: Land use implications (including restoration and ecohydrology)
Session S: Implementation of WFD, with particular relevance to groundwater and surface water dependent terrestrial ecosystems

Abstracts accepted for ORAL PRESENTATION

Session A: Interactions between surface water, hyporheic zone, saturated and unsaturated groundwater

35	Getta	Michael	DE	Identification and assessment of the impacts of groundwater contamination on the surface waters in the catchment of the river Emscher
45	Krause	Stefan	UK	Critical scales for hyporheic nutrient transformation
85	Rozemeijer	Joachim	NL	Field scale measurements of flow route discharge contributions to a stream in a lowland catchment
147	Bertoldi	Giacomo	IT	Modeling the interactions between subsurface water content and the spatial distribution of evapotranspiration in Alpine catchments.
193	Herrmann	Andreas	DE	Integrated approach of surface water-groundwater relations on a small basin scale for ecohydrological status evaluation
243	Premrov	Alina	IE	Estimating travel-time of nitrate from tillage land to shallow groundwater and towards a river using bromide tracer
252	Nilsson	Bertel	DK	Multidisciplinary approach to constrain often inaccurate estimates of groundwater fluxes to and from seepage lakes
295	van Loon	Arnaut	NL	The influence of landscape hydrological dynamics on infiltration patterns across a managed fen area

Session C: Plant-groundwater interactions

17	Wickramasooriya	Ashvin	LK	Contamination of groundwater and surface water along coastal zone of Sri Lanka and its effect on natural vegetation and coastal ecosystem
64	David	Katarina	AU	Importance of groundwater for swamp sustainability
88	van der Zee	Sjoerd	NL	Water and salinity interactions between groundwater, rootzone, vegetation, and climate
114	Frandsen	Mette	DK	How does seepage affect growth rates of submerged aquatic plants
157	Oliveira Ommen	Daniela	DK	Groundwater interactions with Lobelia lakes - effects on the aquatic plant, Littorella uniflora
234	Froend	Ray	AU	Phreatophytic vegetation response to to climate change and groundwater drawdown on the Swan Coastal Plain of western Australia
291	TANAKA	Tadashi	JP	Effect of plant species on distribution of water quality in a vadose zone
313	Bierkens	Marc	NL	The effect of climate change on groundwater dependent temperate forest ecosystems

Session D: Links between hydrology and biogeochemistry in groundwater

39	Einsiedl	Florian	IE	Coupling hydrodynamic and biogeochemical processes to interpret chemical gradients in complex groundwater systems
78	Verhagen	Bart	BE	Nitrogen and phosphorus concentrations in wetlands: interpretation and applications for discussion
120	Maassen	Sebastian	DE	Phosphorus release and microbial activities depending on hydrodynamics (ex- and infiltration) in the hyporheic zone of running water sediments in a wetland (Germany, State of Brandenburg)
129	Kim	Heejung	KR	Natural attenuation potential of nitrate via microbial activity in hyporheic zones
152	Pinay	Gilles	UK	Coupling hydrology and biogeochemistry in complex landscapes
155	Desmet	Nele	BE	Heterogeneity in nutrient cycling and exchange processes in the hyporheic zone of rivers due plant growth
159	Sgouridis	Fotis	UK	Dissimilatory Nitrate Reduction to Ammonium (DNRA) potential in the re-connected floodplain of the River Cole (Oxfordshire, UK)
164	Mfundisi	Kelebogile	BW	Effects of flood duration and extent on biogeochemistry of the hyporheic zone in riparian vegetation of islands in the Okavango Delta
217	Hefting	Mariet	NL	Nitrous oxide emissions from floodplains and riparian zones
220	Heppell	Catherine (Kate)	UK	The influence of vegetation on flow, sediment and biogeochemical cycling in lowland rivers.
229	Lewandowski	Joerg	DE	Hydrological and biogeochemical processes involved in groundwater-surface water exchange at a lowland river
260	Wachniew	Przemyslaw	PL	Subsurface biogeochemical processes influence chemistry of an Arctic proglacial stream
318	Hoffmann	Carl Chr.	DK	How a regional aquifer, a local aquifer and an oxbow lake impact on hydrological and biogeochemical processes in a riparian fen-meadow ecosystem

Session E: Modelling surface-water-groundwater systems

20	Sauvage	Sabine	FR	A vertically-integrated coupled model to describe lateral exchanges of water and nitrogen between surface and hyporheic zone in large alluvial floodplains.
71	Schot	Paul	NL	Modelling rainwater lens development in fens as a function of dynamic groundwater - surface water interactions.
123	Schmidt	Jochen	NZ	A low-dimensional model for simulating river intermittence, surface water - groundwater interactions, groundwater levels and discharges in alluvial plain river systems
140	Buis	Kerst	BE	An integrated model study on the role of lateral connections and process interactions in retention of matter in streams
144	Johansen	Ole	DK	Hydrological modelling of small scale processes in a wetland habitat
145	Hoogewoud	Jacco	NL	A large scale high resolution groundwater model for ecohydrological application: improvement and validation of the phreatic level
160	Müller	Mike	DE	Coupled groundwater/surface water modeling in mining and post-mining areas
161	Stamou	Anastasios	GR	Development and application of an integrated surface-ground water model for the implementation of the WFD
327	Sudicky	Edward	CA	Analysis of factors affecting the spatio-temporal patterns of thermal exchange fluxes between streams and groundwater

Session F: Interactions between hydrology and ecology

5	Lazar	Attila	UK	Modelling fixed plant and algal dynamics in short- and long-retention time rivers
53	Breil	Pascal	FR	About resilience of interstitial biota in response to flow variability
68	Tsujimoto	Tetsuro	JP	River ecosystem supported by small-scale landscape units driven by surface and subsurface flow – Habitat and material cycle to support ecosystem in a sandy river with alternate bars
83	Aubroeck	Bart	BE	The use of hydro-ecological models for environmental impact assessment – case studies
101	Arnon	Shai	IL	Coupling between flow conditions, microbial community structure, and nitrogen utilization in benthic biofilms
111	Dybkjaer	John	DK	Spatial patterns of riparian plant communities in an ecohydrological context
137	Gowing	David	UK	The boundary between groundwater and surface water systems: Floodplain meadows as a case study in UK
185	Petticrew	Ellen	CA	Fish – flocculation feedback loop: implications for stream ecology
203	Horchler	Peter	DE	Modelling the suitability of floodplains as habitats for plant species: some experiences from large German rivers
226	Harvey	Ronald	US	Quantifying bacterial chemotaxis in a groundwater ecosystem: The tactics of chemotactic bacteria
330	Witte	Jan-Philip Maria	NL	Eco-hydrological effects of climate change on the coastal dunes of the Netherlands

Session G: Management, legal and regulatory issues

44	Habereder	Christine	AT	Compromise solutions for the management of an urban floodplain embedded in conflicts of ecological and socio-economic interests
97	Brooks	Andrew	UK	Balancing hydro-ecological needs with sustainable groundwater abstraction: Environment Agency (Anglian Region) Framework for Managing Groundwater Resources.
105	Zijp	Michiel	NL	The need of using exemptions of the WFD. Three cases in the Netherlands.
113	Kuhn	Ute	DE	Model project AGRUM Weser: Agricultural and environmental policy measure analyses in the field of agricultural water protection in the Weser River Basin against the background of the EU-WFD
205	Martens	Kristine	BE	An integrated classification of groundwater dynamics to support nature development programmes
249	Evers	Mariele	DE	Coherence of European legal and structural conditions in water, wetland and flood risk management
268	Hoogeveen	Robert	NL	The hydrogeological system of the Natura 2000 site Bunder and Elsloërbos and its connection to the designated water dependent habitat types
273	Zorza	Raffaella	IT	Analysis of the high natural areas in the upper basin of Tagliamento River
294	Okruszko	Tomasz	PL	Wetlands in a river basin – sources of water or water users?
344	Kubin	Eero	FI	Forest practices and water resources recharge, quantity and quality

Session H: Indicators of groundwater and surface water quality

48	Newman	Brent	AT	Isotope methods for examining hydro-ecological connections
104	Tsuchihara	Takeo	JP	Interaction between groundwater and stream water in paddy area of an alluvial fan evaluated using environmental isotope
139	Griebler	Christian	DE	Attempts for an integrative (ecological) assessment of groundwater ecosystems – microbes as possible bioindicators
143	Anneser	Bettina	DE	Model-based evaluation of biodegradation in a hydrocarbon contaminant plume based on small-scale biogeochemical gradients and stable isotope fractionation
198	Kralik	Martin	AT	Hydrological exchange characteristics between Danube (New- and Old Danube) and groundwater East of Vienna: Conclusions from environmental isotope records
293	Krecek	Josef	CZ	Ellenberg's indicator values and water resources recharge

Session I: Land use implications (including restoration and ecohydrology)

38	Hope	Allen	US	Effects of land-cover variability on river flows in Mediterranean-type ecosystems
57	Huybrechts	Willy	BE	Integrating hydrologic and ecologic modelling in floodplain restoration, the case of the Drie Beken, Flanders, Belgium

149	Pelster	David	CA	Nitrogen retention patterns and processes in small reference watersheds on the Canadian Boreal Plain
167	Sykes	Jonathan	CA	Characterizing spatially and temporally dependent water balance and nutrient inputs at the watershed scale and the impact of climate change
180	MacDonald	Rebecca	CA	Response of riparian understory vegetation in Canadian Boreal Plain watersheds to experimental harvest with and without a streamside buffer.
186	Cunha	Caroline	BR	Effects of the absence of riparian vegetation in the water quality of Jacupiranga river, Low Ribeira of Iguape, Sao Paulo, Brazil
245	Batelaan	Okke	BE	Biebrza ecohydrological research experiences: embracing the science of place
346	Šoltész	Andrej	SK	Restoration of wetland ecosystems by means of controlled discharge and water level regime in channel system in lowland area
386	Wang	Mingna	CN	Anthropogenic impacts on a wetland and its influence on regional hydrological process—Qindianwa Depression Case study
444	Nachtnebel	Hans-Peter	AT	The future of the Aral Sea and its ecosystem: Possible scenarios and outcomes

Session S: Implementation of WFD, with particular relevance to groundwater and surface water dependent terrestrial ecosystems

60	Scheidleder	Andreas	AT	Legal aspects of the Water Framework Directive and the Groundwater Directive regarding groundwater dependent ecosystems
67	Whiteman	Mark	UK	Determining significant damage to groundwater dependent terrestrial ecosystems for use in WFD classification of groundwater status and to inform the Programme of Measures
75	Schutten	Johan	UK	Making wetland science work; How countries across Europe have used wetland science to characterise and classify ground and surface water dependent wetlands for Water Framework Directive implementation.
100	de Nijs	Ton	NL	Experiences in the assessment of groundwater status given the objectives for terrestrial and aquatic ecosystems in the Netherlands
156	Low	Rob	UK	Assessing the nature and degree of the groundwater dependence of an internationally recognised fen wetland – Cors Bodeilio, Anglesey, Wales, UK
200	Ohrstrom	Pernilla	SE	Characterization of wetlands in the WFD in Sweden
222	Klöve	Björn	NO	GENESIS - Groundwater and dependent ecosystems: Scientific and technical basis for assessing climate change and land-use impacts on groundwater systems
235	Müller-Wohlfeil	Dirk-Ingmar	DK	Towards common methods for quantitative groundwater body assessment in Denmark
258	Prestor	Joerg	SI	Setting the programme of measures for good status of groundwater (GW) and groundwater depended terrestrial ecosystems (GWDTE) of the Ljubljansko Barje
888	Lode	Elve	EE	Wetlands and Water Framework Directive in Estonia

The posters will be presented in two poster session blocks:

Poster session block 1: Monday-Tuesday, 20-21 April

Poster session block 2: Wednesday-Thursday, 22-23 April

The POSTER sessions are:

Session A: Interactions between surface water, hyporheic zone, saturated and unsaturated groundwater *(Monday-Tuesday, 20-21 April)*
Session C: Plant-groundwater interactions *(Monday-Tuesday, 20-21 April)*
Session D: Links between hydrology and biogeochemistry in groundwater *(Monday-Tuesday, 20-21 April)*
Session E: Modelling surface-water-groundwater systems *(Wednesday-Thursday, 22-23 April)*
Session F: Interactions between hydrology and ecology *(Wednesday-Thursday, 22-23 April)*
Session G: Management, legal and regulatory issues *(Monday-Tuesday, 20-21 April)*
Session H: Indicators of groundwater and surface water quality *(Wednesday-Thursday, 22-23 April)*
Session I: Land use implications (including restoration and ecohydrology) *(Wednesday-Thursday, 22-23 April)*

Abstracts accepted for POSTER PRESENTATION

Session A: Interactions between surface water, hyporheic zone, saturated and unsaturated groundwater

51	Wittenberg	Hartmut	DE	Percolation response to daily rainfall computed from separated baseflow
66	Rapti-Caputo	Dimitra	IT	Interactions between surface and groundwater resources: the role played by palaeo-channels
87	Chung	Il Moon	KR	A Study on the spatial-temporal variation of the surface-groundwater interaction
122	Schmidt	Sebastian	DE	Reverse Hydraulics: the use of high resolution multi parameter spring discharge data sets to estimate travel times through thick vadose zones in a semi-arid area
141	Mendes	Eric	PT	Contribution for the estimation of groundwater recharge in the Granitic Massif of Serra da Gardunha (Portugal)
148	Karan	Sachin	DK	Characterization of aquifer-stream interaction: Temperature measurements as a tool for identifying groundwater discharge and rates.
169	Estrany	Joan	ES	Hydrological Processes in a Mediterranean groundwater dominated river
170	Luz	Lafayette	BR	SEEPAGE AND PIEZOMETRIC ASSESSMENT - UNDERSTANDING SURFACE-GROUNDWATER INTERACTIONS IN A TROPICAL RIVER-LAGOONS SYSTEM
265	Radfar	Mahdi	BE	Eco-hydrological risk assesment by piezometric level trend analysis in a semi-arid agricultural basin in Iran.

285	Toll	Mathias	DE	Water storage potential at a highly stressed aquifer system in an arid to semi-arid environment
290	Schneider	Josef	AT	Observation of clogging processes at a physical model
299	Lajczak	Adam	PL	Vertical differentiation of spring discharge on highly elevated monoclinal flysch range in Western Carpathians, hydrological and ecological consequences.
307	Dussaillant	Alejandro	CL	Water level variation due to surface-subsurface hydrologic connections in a coastal salt marsh: The case of El Yali coastal lagoon, Chile
319	Pandey	Vishnu	JP	Groundwater Environment of Kathmandu Valley in Central Nepal: DPSIR Analysis
366	Dahan	Ofer	IL	Vadose-zone monitoring as a key to groundwater protection
388	Kim	Sangdan	KR	Cumulant expansion technique for modeling soil moisture and plant water stress and its application to climate change scenarios
555	Chung	Il-Moon	KR	A study on the spatial-temporal variation of the surface-groundwater interaction

Session C: Plant-groundwater interactions

6	LIMAYE	Shrikant	IN	Importance of Dry Season Recharge for Maintaining Environmental Underflow in Hard Rock Terrain in India
9	Dovbysheva	Tatjana	BY	The Condition of Heavy Metals and Radionuclides in the Wetland and their Accumulation by Plants.
23	SHARMA	UTTAM	IN	Ecology-evapotranspiration-groundwater recharge interrelationship in the northeastern region of India
61	Stangl	Rosemarie	AT	Water Balance of Alnus ssp. Planted for Landslide Stabilisation and Some Soil Bioengineering Implications
79	Liu	Luliu	CN	Hydrological Scenario Projection and Uncertainty Estimation for the Yellow River Basin in the 21st Century
99	Rangarajan	Sathyanathan	IN	ASSESSMENT OF ENVIRONMENTAL FLOW FOR A MANGROVE SWAMP ECOSYSTEM IN TAMIL NADU, INDIA
108	Gribovszki	Zoltán	HU	Estimation of groundwater evapotranspiration from diurnal patterns of groundwater level and streamflow rates
138	Fujimura	Yoshiyasu	JP	Factors inducing expansion of dwarf bamboo in Sarobetsu mire, northern Japan, following outward drainage of water on the margin of the mire
163	Benassi	Simone	BR	VARIABILITY ANALYSIS OF THE TROPHIC STATE IN RESERVOIRS ACCORDING TO ITS WATER LEVEL: A CASE STUDY ON THE ITAIPU RESERVOIR
215	Mario Andres	Ahumada Campo	CL	effects of groundwater extraction on vegetation dependent on this water supply: "Altiplanic region of Chile"
231	Osadowski	Zbigniew	PL	Influence of iron and manganese contents in groundwater outflows on vegetation diversity in spring ecosystems of the Middle Pomerania (Northern Poland)

266	Coles	Neil	AU	Using engineering concepts to manage ecohydrologic processes driving vegetation decline due to increased surface water discharge in low-gradient dryland catchments.
287	Lapteva	Elena	RU	CHANGES OF ECOLOGICAL SITUATION CONNECTED WITH DEVELOPMENT OF THE SEREGOVO STONE SALT DEPOSIT (RUSSIA)
301	Lajczak	Adam	PL	Change in the peat bog water storage due to human activity. Case study of the Orawsko-Podhalanskie Peatlands, Western Carpathians
329	Bartholomeus	Ruud	NL	Climate-proof relationships between water, oxygen and vegetation

Session D: Links between hydrology and biogeochemistry in groundwater

11	NYENDE	Jacob	UG	Hydro-chemical consideration for groundwater development and Management in fractured bedrock aquifers in Uganda, Kyoga Catchment
26	Marques	José	PT	Karst groundwater quality based on geochemical and isotopic tracers: Caldas da Rainha thermo-mineral water system (Central Portugal)
73	MARCOS	Luis Antonio	ES	ECOLOGICAL IMPLICATIONS OF THE CHEMICAL EVOLUTION IN GROUNDWATER OF THE DETRITICAL TERTIARY IN THE ARLANZON BASIN (SPAIN).
94	Bottino	Flávia	BR	HYDROLOGICAL REGIMEN AND LAND USE INFLUENCE ON TOTAL NITROGEN LOAD IN CANHA RIVER, S~AO PAULO STATE – BRAZIL.
117	Sinreich	Michael	CH	Karst aquifer pollution – Examining the role of biofilm coatings
130	Groenendijk	Piet	NL	Implications of nitrogen removal from groundwater for monitoring nitrate concentrations
134	GRIMALDI	Catherine	FR	Chloride accumulation in the soil and groundwater under a bottomland oak hedge in a temperate climate
154	Benassi	Roseli	BR	Limnology of the marginal lagoons of the Ribeira de Iguape Valley's floodplain in S~ao Paulo, Brazil: variation space-temporal patterns and the influence of the hydrometric levels
210	Van Camp	Marc	BE	Integrated hydrochemical-hydrodynamical conceptual model for a groundwater dependent ecosystem in an artifically flooded forest nature reserve in Flanders (Belgium)
212	Schafmeister	Maria-Theresia	DE	Transport of contaminants from a leaky sewer in a heterogeneous aquifer
232	Al-Othman	Ahmed	SA	The Impact of Prolonged Irrigation with Treated Domestic Wastewater on Under Groundwater Using a Simulation Model
254	Ladekarl	Ulla	DK	Modelling denitrification on clay soil - does reduced nitrogen load improve water quality in groundwater and streams?
269	Bjerg	Poul	DK	Fate of a groundwater TCE-plume discharging into a stream (Skensved , Denmark)
347	Pedrosa	Paulo	BR	WATER SOLUBLE MATERIALS (H+ (pH), ELECTROLITES (ELECTRICAL CONDUCTIVITY) AND BASE CATIONS (ALKALINITY)) RELEASED BY SOILS FROM FLOODPLAIN AREAS (LAGOA DE CIMA, RJ, BRAZIL).
352	Pedrosa	Paulo	BR	Distribution of colored dissolved organic matter and dissolved organic carbon in a watershed (Imbe stream – Lagoa de Cima, RJ, Brazil).

Session E: Modelling surface-water-groundwater systems

7	EWEMOJE	Temitayo	NG	Modelling Interconnectedness of Subsurface Flow Processes from a Simple Conceptual Infiltration model
37	Schmidt	Susanne	DE	Adapting the individual-based Modeling platform iDynoMiCs to model the groundwater ecosystem
72	Schankat	Mirko	DE	DiaTrans - A new numerical model to simulate density-dependent flow, transport and reaction processes in subsurface sediments interacting with seawater
110	Thierion	Charlotte	FR	A proposal for modelling the coupled surface water and groundwater system of the Middle Upper Rhine Valley.
112	Engesgaard	Peter	DK	Groundwater-surface water interaction: Field investigations and modelling of transport and attenuation of nitrate in groundwater aquifer and lake bed sediments – Lake Hampen, Denmark
118	Derx	Julia	AT	Variable saturated 3D groundwater simulation of the dynamic flow situation at a Danube riverbank
121	Semenova	Olga	RU	Deterministic-stochastic hydrological modelling as applied to eco-hydrological tasks
158	pagliara	stefano	IT	Subvertical seepage effect on rock loose river structures
174	Grischek	Thomas	DE	Groundwater resources and river bank filtration in the Amur River basin
192	Vasiliades	Lampros	GR	Integrated modelling of surface water and groundwater through OpenMI: The case of Lake Karla watershed
201	Kuzmin	Vadim	RU	Automatic Calibration of the Sacramento Soil Moisture Accounting Model in Data Sparse Regions
204	Noaman	Abdulla	YE	ECOHYDROLOGICAL–EROSION MODEL FOR SEMI-ARID MOUNTAIN CATCHMENT
206	LIU	Tie	BE	Hydrological modelling in support of emergency water allocation studies in the Xinjiang Province in China
216	zhan	chesheng	CN	LUCC and its impact on runoff in the Chao River catchment, upstream of the Miyun Reservoir
238	Yagbasan	Ozlem	TR	Impacts of Upstream Reservoirs on Mogan and Eymir Lakes' System in Central Turkey
246	van der Perk	Marcel	NL	Salt-tracer experiments to measure hyporheic exchange in gravel-bed sediments
248	Jankowski	Jerzy	AU	Surface water – groundwater interconnection in a longwall mining impacted catchment, Southern Coalfield, New South Wales, Australia
250	Wernberg	Thomas	DK	Simple groundwater models – comparative study of groundwater capture zones
275	Kania	Jaroslaw	PL	Response of the river riparian zone after changing the contaminant load in the catchment area
277	Kryza	Joanna	PL	Integrated model of a lowland river basin (the Widawa river, SW Poland) – general assumptions and preparation of the hydrogeological input data

357	Jia	Yangwen	CN	MODELING IMPACTS OF GROUNDWATER ABSTRACTION ON WEI RIVER BASEFLOW AND RIVERINE ECOLOGICAL FLOW IN SEMI-ARID GUANZHONG PLAIN OF CHINA USING MODFLOW
361	Mei	Hong	CN	The Application of Isochronous Cell Method in Guanzhong Plain of China Based on DEM
379	Deliman	Patrick	US	Environmental Forecasting Tools: Application to the Mattawoman Creek Watershed TMDL Study
666	Sun	Feng	DE	Regional hydrologic soil model application in Meijang area, southeast China
777	Noh	Seong-Jin	KR	Simulation of water cycle mitigation plans in a small catchment in Korea

Session F: Interactions between hydrology and ecology

25	SOMAY	MELIS	TR	Water Quality of the Important Coastal Wetlands of Western Turkey
34	Pusey	Brad	AU	Hydrological classification of Australia's river
40	Mollema	Pauline	IT	Relationship between groundwater salinity and biodiversity in the Pine forests near Ravenna, Italy.
50	Subyani	Ali	SA	Flood vulnerability assessment of urban areas in the western part of Saudi Arabia
89	Okruszko	Tomasz	PL	Estimation of hydrological characteristics of swamp communities; the Narew River case study.
96	Klar	Christian	DE	Modelling of climate change impacts on nitrate leaching in the Upper Danube watershed
119	Ding	Aizhong	CN	Guanting Reservoir Eutrophication Management Based On Water Quality Modeling
125	Schmidt	Jochen	NZ	Hydrological indices describing longitudinal and temporal flow variations in intermittent river systems for quantifying hydrology - ecology interactions
126	Stenger	Roland	NZ	Groundwater nitrate attenuation in a volcanic environment (Lake Taupo, New Zealand)
133	de la Hera	Africa	ES	Bases for the establishment of a monitoring network of wetlands in the framework of the European Directives 2000/60/CE, 2006/118/CE Y 92/43/CEE
142	Diez	Tom	BE	Delocating groundwater abstraction wells at the drinking water production site "Zichem Vinkenberg" (NE-Belgium)
146	Gallé	Tom	LU	Quantifying the in-channel retention of cohesive sediments during controlled reservoir releases using FTIR-DRIFT spectrometry
162	De Doncker	Liesbet	BE	Modelling of river hydraulics and ecological processes using Femme
171	Luz	Lafayette	BR	HYDROLOGIC-PLANKTONIC ASSESSMENT OF A TROPICAL RIVER-LAGOONS SYSTEM
188	Beldiman	Irina	RU	Permafrost thawing processes – its ecological consequences and estimation
197	Van Ryckegem	Gunther	BE	Ecohydrological modelling to design flood control areas along the River Scheldt
221	Klöve	Björn	NO	Sources of Water in Peatlands: How Do Headwater Mires Depend on Groundwater?
224	Eslamzadeh	Tahereh	IR	A Comparative Study for Cleaning-Up the Groundwater from Heavy Metals By the Use of 3 Plant Species

251	Dedieu	Karine	FR	ASSESSMENTS OF THE INFLUENCE OF INVERTEBRATE DIVERSITY ON DETOXICATION RATES AND ORGANIC MATTER DEGRADATION IN SUBSURFACE SEDIMENTS
263	Coles	Neil	AU	Unravelling landscape scale shedding, receiving and flow connectivity behaviour to improve hydrologic understanding of surface-groundwater interactions in low-gradient semi-arid environments.
306	Devesa-Rey	Rosa	ES	Characterization of algal and bacterial biofilm in river bed sediments: The Anllóns River, a case study
308	Devesa-Rey	Rosa	ES	Optimization of the growing conditions of a fluvial biofilm by applying factorial designs: Implications on its emulsifying and tensioactive properties
312	Eriksson	Karin	UK	Subterranean Fauna within Irish Groundwater Systems
363	LARNIER	Kevin	FR	Thermal regime and processes of the Garonne River (France): impact on the migration of fishes.
365	Tamai	Koji	JP	The comparison of discharge duration curves from adjacent two forested catchments.-The effect estimation by forest age and dominant tree species-

Session G: Management, legal and regulatory issues

49	Popovska	Cvetanka	MK	Flood Risk Assessment of Disturbed River Corridors
54	Alimohammadi	Saeed	IR	A decision support system for conjunctive use of Abhar river system, Iran
58	Vokál	Vojtìch	CZ	Model simulation of the rundown and the effect of the pump-in test in fucoid sandstones
59	Gershanovich	Isaak	IL	New Effective Opportunity to Enrich Parametric Database for Groundwater Management.
65	Pathak	Dhundi	JP	Intrinsic ground water vulnerability assessment using rule-based fuzzy system in framework of GIS
92	Moccellin	Juliana	BR	LAND USE INFLUENCE ON WATER QUALITY IN TWO SUB-BASINS OF RIBEIRA VALLEY, S~AO PAULO, BRAZIL
93	Moccellin	Juliana	BR	Impact of a fertilizer industry in water quality on Jacupiranguinha River and tributaries, Ribeira de Iguape Valley, Sao Paulo, Brazil.
95	Lazarchuk	Mykola	UA	Optimization of norms of drainage on soddy-podsolic soils of radioactively polluted territory.
109	MALEKINEZHAD	Hossein	IR	The role of Qanats on using the groundwater resources and sustainable development in Iran
116	Greggio	Nicolas	IT	Effects of the river salt wedge dynamic on the distribution of the macrobenthic populations of an estuary: the study case of Lamone River (Ravenna – Italy).
124	Yaguache	Robert	EC	The efficiency of compensation for environmental services to improve water availability
128	Göbel	Patricia	DE	Springs of the Baumberge
132	Bertacchi Uvo	Cintia	SE	Assessment of the hydrologic and climatic impacts of sugarcane expansion over native vegetation in southeast Brazil

150	McKnight	Ursula	DE	A System Dynamics Approach for the Integrative Assessment of Contaminated Land Management Options
151	Lafont	Michel	FR	Riverscapes as supports to help flood management : application to dry dams design
166	Stratford	Charlie	UK	An assessment of the interactions between hydrology, land use and climate change at two coastal dune systems in Wales, UK.
168	Navarro	Vicente	ES	Simulation of ponding processes in the Tablas de Daimiel National Park, Central Spain
187	Ramos Hernande	Judith	MX	WETLANDS PROTECTIVE ROLE TO REDUCE THE FLOODING IMPACT EFFECT IN POPULATED AREAS: CASE STUDY THE CITY OF VILLAHERMOSA, TABASCO
236	Rajic	Milica	YU	The Hydrologic inputs related to the irrigation in Vojvodina Province
267	Gussoni	Annalisa	IT	A sustainable management of water resources: the Milanese water purification system and the Environmental Monitoring Plans
270	Koeck	Roland	AT	Silvicultural guidelines for drinking water protection based on a hydrotope model
271	Coffey	Amanda	UK	Case Study: Puxton & Stourvale Marshes SSSI – a recipe for success in a far from perfect world (hydroecology in practice)
310	Rysbekov	Yusup Khai.	UZ	Joint use of surface water and groundwater of the Fergana Valley (Central Asia) as a way of overcoming of water deficiency and improvement of water quality
311	Kimberley	Sarah	IE	ASSESSING THE CONSERVATION STATUS OF IRISH TEMPORARY LIMESTONE LAKES (TURLOUGHS)
315	Guta	Dana	RO	NATURAL BACKGROUND VALUES AND THRESHOLD VALUES REQUIRED BY THE GROUNDWATER DIRECTIVE, RESULTS IN BANAT HIDROGRAPHICAL AREA
323	Dinu	Irina	RO	Risk of pollution of the drinking water source of Slatina city, Romania
340	Qin	Changbo	CN	An Integrated Environmental and Water Accounting and Analytical Framework for Accountable water Governance: a Case Study for Haihe Basin
351	Kertész	Ádám	HU	The role of conservation agriculture in the management of hilly watersheds
360	Celligoi	André	BR	Hydrogeologic and hydrochemical study of an area with diesel fuel leakage in springs near Lindoia brook in the city of Londrina – Parana State – Brazil
364	Dawoud	Mohamed	AE	The Environmental Impact of Using Brackish Groundwater for Afforestation in Arid Regions

Session H: Indicators of groundwater and surface water quality

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