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Conference Sessions (per 8 April 2011)

The following conference sessions are planned for ORAL presentation:

Session A: Interactions between surface water, hyporheic zone, saturated and unsaturated groundwater
Session B: Connections between ecology and groundwater recharge and evapotranspiration
Session C: Plant-groundwater interactions
Session D: Links between hydrology and biogeochemistry in groundwater
Session E: Modelling surface-water-groundwater systems
Session F: Modelling interactions between hydrology and ecology
Session G: Management, legal and regulatory issues
Session H: Bio-indicators of groundwater and surface water quality
Session S: Special Session “Landscape versus local controls on water quality in small streams”
Session S-WFD: Special Session “Upscaling from individual ecosystems to groundwater bodies in the light of Water Framework Directive implementation“

Abstracts accepted for ORAL PRESENTATION

The green marked orals are keynote presentations

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

16	Durkota	Jessica	UK	Benthic and Hyporheic Community Composition: response to natural and anthropogenic disturbance
116	Anibas	Christian	BE	Groundwater-surface water interaction on reach scale using a transient thermal mapping approach
191	Folch	Albert	ES	Importance of groundwater flow systems in river baseflow and ecology in a Mediterranean catchment: Santa Coloma River (Catalonia, NE Spain)
194	Fleckenstein	Jan	DE	Complex linkages between hydrologic dynamics and biogeochmical processes in the near stream zone – new ways forward
244	Krause	Stefan	UK	Hot moments in cold spots Multi-scale tracing of reactivity hotspots in hyporheic environments

265	Datta	Partha	IN	Significance of O-18 and hydrochemical composition to characterize water dynamics in hyporheic zone of Yamuna river flood plains in Delhi Area
318	Schafmeister	Maria-Theresia	DE	Riparian ecosystems and groundwater recharge along the Tarim River, Xinjiang, China

Session B: Connections between ecology and groundwater recharge and evapotranspiration

44	Chen	Bing	CA	Hydrological Modelling and Uncertainty Analysis to Understand Water Balance of a Wetland System under Subarctic Climate
102	Voortman	Bernard	NL	The future groundwater recharge: evapotranspiration response of natural vegetation to climate change
119	Frandsen	Mette	DK	The effects of groundwater seepage on submerged freshwater plants
167	Kalicz	Peter	HU	Evapotranspiration impact on sapflow and other hydrological phenomena
226	Batelaan	Okke	BE	Groundwater recharge and groundwater discharge: the ecological importance of speaking the same language
301	Gokmen	Mustafa	NL	Remote sensing estimates of evapotranspiration to analyze the groundwater influx and ecological water demand for a groundwater-dependent wetland

Session C: Plant-groundwater interactions

27	Froend	Ray	AU	Is sustainable superficial aquifer production possible in areas with vulnerable phreatophytic vegetation? : A test case in Mediterranean Southwest Australia.
75	Regan	Shane	IE	The role of groundwater in the degradation and restoration of raised bog ecosystems
121	Rivera Villarreyes	Carlos	DE	Estimation of Soil Water Content at Intermediate Field Scale Using Cosmic-Ray Neutrons
183	Labadz	Jillian	UK	The role of microtopography in the assessment of ecological condition on lowland raised mires of conservation importance
205	Kubin	Eero	FI	Impacts of stump harvesting on nitrogen leaching and carbon flow in the boreal forest environment
313	Jones	Laurence	UK	Hydrological controls on vegetation communities in UK dune slacks
340	Colvin	Christine	ZA	Groundwater dependent riparian zones in an African savanna: Who is using what water and when?

Session D: Links between hydrology and biogeochemistry in groundwater

52	Kondratyeva	Liubov	RU	ECOLOGICAL ASPECTS OF THE INTERACTION OF RIVER AND GROUNDWATER IN THE LOWER AMUR
55	Stumpp	Christine	DE	Transport and bacterial interactions of three bacterial strains in saturated column experiments
109	Vogt	Tobias	CH	Riparian groundwater dynamics of temperature and oxygen in a restored river corridor at a losing Swiss peri-alpine river
135	Nilsson	Bertel	DK	Possible effects on long-term lake restoration from exchange of high P-loaded groundwater to a seepage lake
180	Peiffer	Stefan	DE	When hydrology meets chemistry - insights into the coupling between transport and reaction
182	McKnight	Ursula	DK	Integrated assessment of the impact of TCE groundwater contamination to surface water ecosystems
202	Lenczewski	Melissa	US	HYPER-ALKALINE AQUIFERS OF CALUMET WETLANDS (SOUTH CHICAGO, IL): BIODIVERSITY AND REMEDIATION STUDY
231	Hinshaw	Sarra	US	Spatial variability in groundwater N2 and N2O in the San Joaquin River
258	Tsujimoto	Tetsuro	JP	Structure and Functions of River Ecosystem - Role of Subsurface Flow in Alternate Sand Bar -
284	Hoffmann	Carl Christian	DK	Biogeochemical processes along the groundwater flow line in a riparian wetland

Session E: Modelling surface-water-groundwater systems

24	Woessner	William	US	Consequences of a Poor Conceptual Model when Predicting the Response of the Riparian Water Table Position to Stream Restoration, Western Montana USA
100	Frei	Sven	DE	Effects of micro-topography on runoff generation and residence times in a riparian wetland
128	Adar	Eilon	IL	The Mixing Cells Modeling Approach for Identifying and Quantifying Hidden Sources of Industrial Pollutants into Rivers and Shallow Groundwater Systems
195	Montenegro	Héctor	DE	Evaluation of Surface-Subsurface Interactions Following an Embankment Opening for the Enhancement of Stream-Floodplain Connectivity
230	Sato	Yoshinobu	JP	Developing Integrated Hydrological Model for River Ecosystem Assessment
247	Kiesel	Jens	DE	Hydrologic, 1D- and 2D-hydraulic stream modelling – an integrated systems approach for river restoration
260	Schot	Paul	NL	Fresh-brackish groundwater interface response to hydro(eco)logical management in the Naardermeer wetland, The Netherlands
273	Loinaz	Maria	DK	Modeling eco-hydrological impacts of temperature changes in a catchment
311	Sudicky	Edward	CA	A Physically-Based Approach to Assess the Impact of Climate Change on Canadian Water Resources

Session F: Modelling interactions between hydrology and ecology

9	Kojiri	Toshiharu	JP	Ecological Assessment of Aquatic Organisms through Food Chain in River Basin
25	Spaeth	Kenneth	US	Plant species composition and hydrology/erosion relationships on U.S. rangeland
31	Eng	Ken	US	Ecologically relevant streamflow characteristics across the United States
74	Hayashi	Masaki	CA	Eco-hydrology of Canadian prairie wetlands and management implications: Synthesis of a 40-year study
83	Pfaundler	Martin	CH	Module Hydrology (HYDMOD): the Swiss method for assessing and classifying the state of the rivers` flow regime
84	Lessard	JoAnna	NZ	Changes in reach-scale transient storage and benthic habitat due to macrophyte coverage in groundwater dominated lowland streams, Canterbury, New Zealand
97	Horchler	Peter	DE	Changes of plant diversity in riverine grassland after extreme hydrologic events on the Elbe floodplain
98	van Schaik	Loes	DE	Relationships between earthworm abundance and preferential flow paths
104	McKelvey	Holly	UK	Histories of local v. regional hydrology as recorded by tree ring isotopes and dendrochronology
108	Breil	Pascal	FR	Dynamic modelling of aquatic Macrophytes in a large alluvial stream and Ecohydrological perspective.
122	Harvey	Ronald	US	The surface–groundwater connection--Effects of surface water contaminants upon bacterial transport and re-entrainment within a sandy aquifer.
138	O'Callaghan	Matt	UK	Resource partitioning in an unpredictable environment: using stable isotopes to understand aquatic subsidies and niche position of specialist riparian Coleoptera.
144	Griebler	Christian	DE	EFFECTS OF THERMAL ENERGY USAGE ON SHALLOW GROUNDWATER ECOSYSTEMS
157	Vanderhaeghe	Floris	BE	Experimental impact of ammonium, carbon dioxide and water levels on amphibious softwater plant communities
164	Newman	Brent	AT	Using isotopes to understand coupled hydrological and biological processes
168	Dunbar	Michael	UK	River channel habitat modification influences macroinvertebrate response to flow
277	Okruszko	Tomasz	PL	Hydrological conditions of European wetlands – overview of current situation and future perspectives.
310	Schröder	Boris	DE	Patterns, processes and functions in ecohydrology: integrating landscape ecological and hydrological models
400	Nachtnebel	Hans-Peter	AT	Consideration of the Vegetation Layer in Hydrological Modelling

Session G: Management, legal and regulatory issues

62	Tomlinson	Moya	AU	POLICY AND SCIENCE NEEDS FOR THE PROTECTION OF GROUNDWATER DEPENDENT ECOSYSTEMS
66	Zennaro	Barbara	IT	The Fluvial and the Lake Shorezone Functionality Indices: a new macroscopic approach to river and lake functionality
134	Markel	Doron	IL	Monitoring and Management of a Lake and Watershed system—Lake Kinneret, Israel
207	Rodrigues	Stephane	FR	Influence of dam removal and past sediment mining on river morphology and biology: example of the Vienne River (France)
307	Liu	Junguo	CN	Understanding water-agriculture-human interrelations with an ecosystem service appoach
312	Fuchs	Elmar	DE	The PIANC “Working with Nature” Philosophy for integrated Waterway Planning and the essential need of hydro-ecological knowledge

Session H: Bio-indicators of groundwater and surface water quality

89	Schwendel	Arved	NZ	A macroinvertebrate index to assess stream bed stability
124	Korbel	Kathryn	AU	Variation of faunal assemblages in groundwater ecosystems impacted by agricultural landuse
152	Rasmussen	Jes	DK	Local physical habitat quality cloud the effect of predicted pesticide runoff from agricultural land in Danish streams
199	Minaya	Veronica	NL	Variations in benthic macroinvertebrate assemblages with physico-chemical characteristics in headwater
253	Krecek	Josef	CZ	Recovery of headwater streams and reservoirs from acidification
283	Sinreich	Michael	CH	Attempt to verify Swiss objectives on groundwater ecology
299	Tent	Ludwig	DE	Restoration of Habitat as Essential Factor for Improved Fauna Populations – Long Term Experience on North German Lowland Brooks

Session S: Special Session “Landscape versus local controls on water quality in small streams”

30	Pinay	Gilles	UK	Controls and patterns of nutrient fluxes in low stream order agricultural catchments
81	Arnon	Shai	IL	Evaluating chemical and biological indicators for the assessment of innovative stream rehabilitation in water stressed environment
112	Blodau	Christian	CA	Impact of 90 years of drainage on the hydrology and subsurface biogeochemistry of a northern peatland
139	Heppell	Catherine	UK	Implications of groundwater-surface water connectivity for nitrogen transformations in the hyporheic zone.
141	Trimmer	Mark	UK	Measuring river bed denitrification: an in situ approach

143	Mas-Pla	Josep	ES	Modelling surface water / groundwater interactions in streams connected to exploited alluvial aquifers by means of hydrochemical data.
149	Hannah	David	UK	Sensitivity of headwater stream temperature to riparian land management
237	Gumiero	Bruna	IT	THE EFFICIENCY IN NITROGEN REMOVAL OF A IRRIGATED BUFFER AREA
261	Kovar	Pavel	CZ	Nature Close Torrent Control in Ore Mountains
269	Bishop	Kevin	SE	Climate effects on riparian zone control on DOC in boreal headwaters streams: does riparian zone control amplifies climate response ?
306	Sebilo	Mathieu	FR	DYNAMIC OF NITROGEN AT THE SCALE OF THE SEINE CATHCMENT (FRANCE) : USE OF ISOTOPIC BIOGEOCHEMISTRY

Session S-WFD:
Special Session "Upscaling from individual ecosystems to groundwater bodies in the light of Water Framework Directive implementation"

92	Brouyère	Serge	BE	Regional scale flow and transport modelling for the management of groundwater and surface water bodies in the framework of the EU Water Directive
125	Barber	Stephanie	AU	Multi-scale approaches to the upscaling problem – determining ecosystem–groundwater interactions and allocating water for the environment with disjointed and sparse information and limited resources
145	Hinsby	Klaus	DK	Groundwater threshold values derived for protection of associated aquatic ecosystems – selected examples from Denmark
240	Whiteman	Mark	UK	Investigation of diffuse groundwater chemical impacts on groundwater-dependent terrestrial ecosystems in England and Wales: Implications for WFD groundwater body classification and Programmes of Measures
328	Grath	Johannes	AT	Groundwater dependent terrestrial ecosystems within the European groundwater policy framework
334	Klöve	Björn	FI	Hydroecological Processes and Functioning of Groundwater Dependent Ecosystems
373	QUEVAUVILLER	Philippe	BE	Welcome address – Special Session on Upscaling from individual ecosystems to groundwater bodies in the light of the Water Framework Directive implementation

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Session G: Management, legal and regulatory issues
Session H: Bio-indicators of groundwater and surface water quality
Session I: Land use implications (including restoration and ecohydrology)
Session K: Global change (human activity, natural changes): from noises to trends
Session S: Special Session “Landscape versus local controls on water quality in small streams”

Abstracts accepted for POSTER PRESENTATION

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

2	Chemseddine	Fehdi	DZ	Characterization of groundwater in the Morsott-El Aouinet basin Northeastern Algeria: hydrochemical and environmental isotopes approaches
45	Berhane	Dawit	AU	Thermograph analysis for estimating vertical hydraulic conductivity and fluxes: Cockburn River, NSW
63	Kishii	Tokuo	JP	Runoff characteristics between surface and ground water in the small river
69	Ndini	Miriam	AL	THE ANALYZE OF SURFACE AND GROUND WATER EXCHANGE IN TWO DIFFERENT RIVER WATERSHEDS.
130	Milosevic	Nemanja	DK	Identification of groundwater/surface water discharge and evaluation of impact on a local stream from an old landfill
148	Simon	Szilvia	HU	SCALE EFFECT INFLUENCED LAKE-GROUNDWATER INTERACTION IN SALINE ENVIRONMENT, DANUBE-TISZA INTERFLUVE, HUNGARY
165	Ebrahim	Girma Yimer	NL	Modeling Groundwater-Surface Water Interaction in the Hyporheic zone using vertical temperature profiles
187	Acikel	Sukran	TR	Conceptualization of a Brackish Coastal Karst System: Implications For Resilience of a Groundwater Dependent Wetland

228	Subyani	Ali	SA	Flood Risk Analysis in Al-Madinah Area, Western Saudi Arabia
246	Van Stempvoort	Dale	CA	Tracers in a municipal wastewater plume in groundwater discharging to a river
293	Middleton	Mary Ann	CA	Spatial and Temporal Changes in Groundwater Flux to Gaining Streams
308	Krause	Stefan	UK	Interstitial pore-water temperature dynamics across a pool-riffle-pool sequence
349	Quan	Li	CN	Transforming relationship among surface water , precipitation and groundwater along Fenhe River in Taiyuan Basin, China

Session B: Connections between ecology and groundwater recharge and evapotranspiration

150	S	Aruna	IN	Performance Evaluation of Crop Coefficient Models in the Estimation of Weekly Crop Evapotranspiration
158	Shah	Syed	NL	Modelling of soil sodicity development due to capillary upflow of saline groundwater in the stochastic ecohydrological framework
173	Gribovszki	Zoltán	HU	Estimation of subdaily riparian evapotranspiration from high frequency streamflow data
305	Petitta	Marco	IT	Groundwater dependent ecosystems (GDEs) in the Gran Sasso carbonate fractured aquifer (Central Italy): hydrogeological characterization using spring meiofauna
316	ALAMRY	ABDULMOHSEN	YE	Trace element and Environmental Isotope Geochemistry Analysis in an Arid Area: A Case Study from the Lower Part of Wadi Siham Basin, Tihama Coastal Plain, Republic of Yemen
355	Wang	Wang yongli	CN	Water hydrogen and oxygen isotope composition and spring isotope information in the tea ditch of Anxian,China

Session C: Plant-groundwater interactions

189	De Becker	Piet	BE	Ecohydrologiscal site conditions in alluvial forests with Fraxinus excelsior and Alnus glutinosa (N2000 code 91E0)
369	Vlyssides	Apostolos	GR	Comparison of the nutrients removal efficiency of Aroundo Donax versus Phragmites Australis

Session D: Links between hydrology and biogeochemistry in groundwater

53	Fisher	Natalia	RU	Microbiological indication as a sensitive tool to study of groundwater treatment processes in situ: the Amur River basin
70	Schotanus	Dieuwke	NL	Effects of weather variability on pesticide leaching
127	Larsen	Genevieve	AU	Controls over dissolved Fe within ground and surface water micro-environments in a subtropical coastal setting, Fraser Coast, Australia
137	Lansdown	Katrina	UK	What controls nitrogen cycling in the bed of a groundwater-fed river?

153	Beer	Julia	DE	Linkage between groundwater-lake water-exchange and biogeochemistry in an acidic mine lake
193	Saito	Mitsuyo	JP	Relation between groundwater flow condition and denitrification potential in the coastal agricultural catchments
198	Bartsch	Svenja	DE	Monsoon-driven Total Head and Temperature Variations at the Groundwater-Surface Water Interface – Implications for Biogeochemical Processes
210	Brown	Terri	US	Comparison of field-employed extraction and isolation methods to characterize dissolved organic matter functional fractions in karst waters
288	marconi	valentina	IT	Arsenic source and release process in a coastal wetland located in the south eastern Po plain (Italy)

Session E: Modelling surface-water-groundwater systems

21	Six	Simon	BE	Infiltration of surface water from the Dijle-river during periods of high water level near shallow drinking water wells. An example of a time-series analysis of high-frequent water level measurements in Korbeek-Dijle (Central Belgium)
43	Liang	Xu	US	Impacts of Hydraulic Redistribution and Groundwater Table Dynamics on Evapotranspiration
47	Brouyère	Serge	BE	Modellling groundwater flow and aquifer heterogeneity in urbanised environment with strong river interactions
64	Bushara	Ageel	IT	Suitability of MicroMet model for hydrological simulations
91	Sun	Ying ying	CN	Research of Isotope Hydrology Model Based on Itô Differential Equation
107	Calligaris	Chiara	IT	The Low Friuli Plain confined aquifers: 2D and 3D reconstruction.
140	Gundel	Anita	DE	Groundwater vulnerability of mountainous catchments under drought conditions in Switzerland
162	Neumann	Christiane	DE	SPATIOTEMPORAL PATTERN OF GROUNDWATER-LAKE-EXCHANGE DURING A LAKE WATER LEVEL MANIPULATION EXPERIMENT
222	Jain	Manoj	IN	LONG TERM HYDROLOGICAL MODELING OF A HIMALAYAN WATERSHED USING SWAT MODEL
264	Moraes	Marcio	SE	Two way coupling of a conceptual hydrological model to a regional atmospheric model
278	Hoang	Linh	NL	Simulation of the hydrological and nitrogen balance and cycle within the Odense river basin
343	Castanheira	Paulo	PT	USING THE DRENAFEM MODEL FOR SIMULATION SUBSURFACE DRAINAGE IN BAIXO VOUGA LAGOON

Session F: Modelling interactions between hydrology and ecology

4	Askri	Brahim	TN	Effect of waterlogging on transpiration of date palm: Case study of the modern Tunisian oases
36	Okon	Paul	NG	Development of Early warning System for soil quality changes in tropical ecosystems
67	Mellendorf	Maren	AT	Settling rates of free-living and particle-attached bacteria and Enterococcus in the Hudson River (New York), U.S.A.
79	Yu	Kwonkyu	KR	Change of stream flow pattern due to emergent leafy vegetations within a straight channel
80	Lee	Nam-Joo	KR	Mechanism of Vegetation Resistance for a Two-dimensional Numerical Model
93	Heuner	Maike	DE	Responses of different reed species to morphological bank conditions along the marsh edges
120	Vermue	Esther	NL	Modelling temporal fluctuations of abiotic site conditions for an inland salt marsh
171	Meire	Dieter	BE	Incorporating spatial heterogeneity of flow-vegetation interaction in an integrated river ecosystem model
215	De Doncker	Liesbet	BE	Ecohydraulic modelling over different seasons with varying vegetation
257	Wickramasooriya	Ashvin	LK	TSUNAMI AND ITS EFFECT ON COASTAL AND MARINE ECOSYSTEMS OF SOUTHERN AND EASTERN COSTAL ZONES OF SRI LANKA
295	Yuzugullu	Onur	TR	Comparison of Linear and Non-Linear Regression Models for Determination of Chlorophyll-a in Lake Eymir (in Ankara, Turkey) Using QuickBird 2 Image
339	Pasteris	Andrea	IT	Effects of soil salinisation on the earthworm Eisenia andrei: life cycle traits and histochemical biomarkers
348	Schmidt	Susanne	UK	When modelling biodegradation on the micro scale, degrader colony distribution does matter
361	García-Arias	Alicia	ES	Analysis of the riparian vegetation dynamics through the RIPFLOW model. Climate change scenarios in three European countries.
367	Santos	Marco	BR	Conceptual Model of Greenhouse Gas Emissions from Hydroelectric Reservoir in Tropical Areas

Session G: Management, legal and regulatory issues

320	Martinez	Hernando	US	Public Policy in Groundwater: Far from the Rhetoric, Closer to the Reality
335	Woyessa	Yali	ZA	Climate Change and Ecological Systems: A Framework for the Understanding of Socio-Hydrological Dynamics
366	Lashofer	Alois	AT	Mitigation opportunities for obstructed river reaches by combining RES-E and WFD objectives

Session H: Bio-indicators of groundwater and surface water quality

72	De Liguoro	Marco	IT	An overall toxicity screening of waters used for field irrigation and livestock watering in the Veneto region, using Pseudokirchneriella subcapitata and Daphnia magna as test organisms.
87	Tsai	Wen-Ping	TW	A study of artificial neural networks for an evaluation of riverine biodiversity
105	Hose	Grant	AU	Comparing approaches for setting environmental quality criteria for groundwater protection
110	Redondo	Sergio	CO	Hydrological uncertainty in environmental flow methodologies based on historic records
178	Alvarez	Gabriela	NL	Aquatic macroinvertebrates communities in an agricultural area of a Tropical River Basin. A case study in the middle catchment of the Guayas River Basin (Ecuador)
190	Carro Espada	Belén	ES	Use of Nucella lapillus L. as bioindicator of TBT pollution in marine waters: Northwest Iberian Peninsula, Spain
345	Kühn	Stephan	DE	ASSESSMENT OF THE GROUNDWATER ECOSYSTEM
375	Li	Sam	SG	Determination of micrystins in water

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

26	NADIFI	KHALID	MA	Utilisation de la méthode EPIK pour la caractérisation de la vulnérabilité `a la pollution des nappes Karstiques. Application `a la nappe du Sahel de Safi, Maroc
42	Riahipour	Mahdi	IR	Inspection and study of water transfer effects from Sabzkooh river to Choghakhor earth dam, South west part of Iran
51	Arumi	Jose Luis	CL	Groundwater-surface water interactions at the Laja watershed in the Central Valley of Chile
59	Yuge	Kozue	JP	Planning of the agricultural land use and water management system for preservation of ecosystem in the rural area
94	Salemi	Enzo	IT	Fertilization management in zones vulnerable to nitrate: a new perspective based on G.I.S. mapping of residual nitrogen availability
96	Mastrocicco	Micòl	IT	Surface and subsurface water continuous monitoring to quantify nitrate leaking to groundwater from maize plots
170	Ernest	AMOUSSOU	BJ	Impacts of Land use land cover change on the water resources in the hydrosystem Mono-Couffo (West Africa)
176	Laize	Cedric	UK	Assessment of change impact on European and Mediterranean river ecosystems using monthly hydrological indicators
209	Okeke	Ifeyinwa	NG	Global Change on Rural Water Systems in Southwestern Anambra State, Nigeria
214	Nilo de Carvalho	Valdenor	BR	REDERES: a tool for assessing long-term influence of small dams on downstream flow release of strategic water reservoir in Brazil's northeast semi-arid
219	Odiyo	John	ZA	An operating strategy for ecological water requirements and run-of-river abstractions for domestic water supply using Siloam Village as a case study

234	Kovács	Zsófia	HU	Comparison of water quality of Séd stream in Veszprém and Holt-Sebes-Körös together with Sebes-Körös in Békés
243	Shimizu	Yuta	JP	Small reservoir effect on seasonal variation of river nutrient flux
245	Santos	Pollianna	BR	ANALYSIS OF THE DEGREE OF CONNECTIVITY BETWEEN THE S~AO FRANCISCO RIVER AND RIPARIAN LAGOONS: EVALUATION OF THE HYDROLOGY AND PHYSICAL AND CHEMICAL VARIABLES.
262	Kozma	Zsolt	HU	Evaluation of a novel integrated water resources management model on a pilot area heavily affected by excess water
267	Talebbeydokhti	Nasser	IR	Environmental Flow Assessment under Different Operation Scenarios, a Case Study of Neka Dam in Iran
286	Truemper	Johanna	DE	Model concept for the projection of water related land-use parameters
302	Peregrina	Mauricio	MX	subsuperficial recharge to emergent wetlands by irrigation of winter wheat crops in Mexico
326	Arnon	Shai	IL	Impact of overlying velocity and sediment morphology on nitrification in benthic biofilms
327	Khan	Muhammad	PK	Effects of Human Activities on Eco-System of Kalar Kahar, Nummal and Khan Pur Lakes in Pakistan
444	Kertész	Ádám	HU	The role of gully erosion at catchment scale

Session K: Global change (human activity, natural changes): from noises to trends

225	Alcázar	Jorge	ES	Environmental flows and climate change in the Ebro River Basin, Spain
241	Cao	Zhixian	CN	Hydrodynamics of phytoplankton bloom in shallow water environments
272	Mollema	Pauline	IT	Current and future water budget of a Mediterranean coastal watershed: Quinto Basin, Ravenna, Italy.
336	Peñaranda Vélez	Victor	CO	Rainfall complex pattern trend via multifractal analysis
342	Kharanzhevskaya	Julia	RU	Impact of climate change on the raised bog water balance in Westearn Siberia
368	Onderka	Milan	LU	Long-term persistence of stream nitrate concentrations (memory effect) inferred from spectral analysis and detrended fluctuation analysis

Session S: Special Session “Landscape versus local controls on water quality in small streams”

95	O'Brien	Ronan	IE	Simulating flow pathways in Irish catchments using a lumped and semi-distributed modelling approach
111	Buis	Eke	NL	Relationship between farm management and surface water quality in agricultural regions of the Netherlands
117	Pardo	Eduardo	ES	Hidrography and water quality parameters in the medium Tagus River
133	Gilboa	Yael	IL	Calibration of AVGWLF to Lake Kinneret Watershed (Israel)

169	Shope	Christopher	DE	The Forest Through the Trees: Quantifying Local Controls on Watershed Scale Impacts
197	Labadz	Jillian	UK	Impacts of land management on stream water flows in blanket peat moorland in the Peak District, Derbyshire, England
238	Gumiero	Bruna	IT	APPLIED STUDIES ON BUFFERING CAPACITY OF AN EXPERIMENTAL RIPARIAN WOODLAND FOR THE TREATMENT OF DIGESTED SLURRY
242	Onodera	Shin-ichi	JP	Nutrient variation from upstream to downstream : effect of groundwater discharge and river topography
252	Kocum	Jan	CZ	Potential reduction of hydrological extremes in headwaters: case study of upper Vltava River basin, Czechia
274	Merot	Philippe	FR	High chloride concentrations in the soil under tree hedges in catchments in the West of France, used as evaporation index: can we generalise?