

Tuesday, 25 June 2019

Tuesday, 25 June 2019		Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
	14:00-15:00	Registration opens at 14:00	
		Conference VII: Session VII.1 <i>Moderators:</i> <i>M. Spiliotis & V. Hrissanthou</i>	Conference IV: Session IV.1 <i>Moderators:</i> <i>D. Solomatine & P. Batanero</i>
	15:00-15:15	The river continuum theory in the high mountain tropical Andes <i>Jorge Julian Velez, Luz Angela Galindo-Leva, Adela Londoño, Brajhan Guzman, Maria Fanny Ocampo, Erick Jimenez</i>	How to account for uncertainty in optimization of urban systems <i>O. Marquez-Calvo, D.P. Solomatine</i>
	15:15-15:30	Evaluation of Management Strategies under the WFD: Application of Fuzzy ELECTRE Method <i>L. Panagiotou, M. Spiliotis, I. Kagalou</i>	Urban Water Supply Management in Critical Conditions Using Fuzzy PROMETHEE V Technique <i>Mahsa Ghandi, Abbas Roozbahani</i>
	15:30-15:45	Assessment of Bedload Transport in Sand-Gravel Bed Rivers by Using Nonlinear Fuzzy Regression <i>Matthew Saridakis, Mike Spiliotis, Vlassios Hrissanthou</i>	Testing the existence of an Environmental Kuznets Curve for urban water use at river basin scale <i>Alfonso Expósito, María P. Pablo-Romero, Antonio Sánchez-Braza</i>
	15:45-16:00	Incorporating biological components to analyse the hydrological variability for ecological flow recommendations <i>Christina Papadaki, Vasilis Bellos, Konstantinos Soulis, Elias Dimitriou</i>	Developing quantitative metrics to manage water resources for a sustainable future <i>Hassan Tavakol-Davani, Thomas J. Sun, Steven J. Burian</i>
	16:00-16:15	<i>Fine sediment budget modelling during storm based events in the Rivers Bandon and Owenabue, Ireland</i> <i>Juan T. Garcia, Joseph R. Harrington, Jungsu Park</i>	Regional rainfall design parameters of Sustainable Urban Drainage Systems based on a stochastic approach. Case study: United States of America <i>Andrea Fantj, Alvaro Sordo Ward, Rodrigo Jodra Lopez, Luis Garrote, Enrica Caporali</i>
	16:15-16:30	The role mangrove's communities of coastal wetlands in water flow and retention time, Case Study: subtropical salt marshes of Chabahar Bay <i>Siavash Fereidoon Akbar, Sadeqh Partani, Mahnaz Vafadar</i>	A comparison of sediment incipient motion and incipient deposition in open channels <i>Mir Jafar Sadeqh Safari, Hafzullah Aksoy</i>
	16:30-16:45	Scope of Utilizing Riverine Ecosystem: A case study of River Brahmaputra <i>Gaurav Talukdar, Arup Kumar Sarma</i>	Modelling the Effects of Intermittent Water Supply on Quality Deterioration in Terms of Disinfection- By-Products Formation <i>S. Mohan, G.R. Abhijith</i>

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	Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
16:45-17:00	Comparative Assessment of Pytoplankton Diversity and Water Quality of two Different Lagoons in Istanbul (Turkey) <u>Nese Yilmaz</u> , <u>Cumhur Haldun Yardimci</u> , <u>Mohamed Elhag</u>	Water Supply Network Rehabilitation: a Case Study <u>Giacomo Viccione</u>
17:00-17:15	Ecosystems shifts: implications for groundwater management <u>Encarna Esteban</u> , <u>Elena Calvo</u> , <u>José Albiac</u>	Development of New and Seamless Surrogate Measure of Hydraulic Reliability of Water Distribution Systems <u>Salah H. A. Saleh</u> , <u>Tiku T. Tanyimboh</u>
17:15-17:30		Bilbao city ICMLive Flood Early-Warning and Monitoring System <u>Paloma Batanero Akerman</u> , <u>Eduardo Martinez Olmos</u> , <u>Ignacio Martinez Gonzalez</u>
17:30-18:00	Discussion	Discussion

18:00-19:00	Ice breaker – Cocktail party
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* The presenting author is underlined



Wednesday, 26 June 2019

	Salon de Actos (Auditorium)	Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
	09:00-09:45	<p>Inaugural speeches</p> <p>Keynote Speech (Auditorium) Andreas Schumann: "Challenges in flood risk management"</p>	
	<p>Conference II: Session II.1 Moderators: <i>G. Tsakiris & V. Tsihrintzis</i></p>	<p>Conference I: Session I.1 Moderators: <i>L. Garrote & H. Macian-Sorribes</i></p>	<p>Conference III: Session III.1 Moderators: <i>H. Majour and G. Akşan</i></p>
09:45-10:00	<p>Selection of variables to be sampled in water quality monitoring networks <i>Filiz Barbaros, Nilgun B. Harmancioglu</i></p>	<p>A DSS tool for stochastic optimization of large-scale water resource systems <i>Hector Macian-Sorribes, Manuel Pulido-Velazquez</i></p>	<p>Modeling of flows from some springs in the Bouzizi- Seraidi sector (N-E Algerian) <i>H. Majour, A. Hani, S.Hani</i></p>
10:00-10:15	<p>Assessing Two Step Cascade Technology for Removing Carbon and Nitrogen from Domestic Wastewater <i>Elia Nabil, Mahmoud Roushdi, Fikry Ghobrial</i></p>	<p>Assessment of the realisations of EURO-CORDEX projections in the simulation of rainfall regimes in Spain <i>Carlos Garijo, Luis Mediero</i></p>	<p>A Comparison of Potential Evapotranspiration Methods: for Regional Use in the Aegean Regean, Turkey <i>G.N. Akşan, Ü.G. Bacanlı</i></p>
10:15-10:30	<p><i>Biodegradation potential of bacteria capable of growing in an imazalil-rich wastewater</i> <i>I. Alexandropoulou, Z. Mavriou, P. Melidis, D.G. Karpouzas, S. Ntougias</i></p>	<p>Optimal operation of Bakhtiari and Roudbar dams using differential evolution algorithm <i>B. Moshedzadeh, R. Mansouri, A. Karbakhsh, M. Zounemat-Kermani</i></p>	<p>Non stationary duration-frequency modelling of hydro-climatic extremes <i>Taha B.M.J. Ouarda, Latifa Yousef, Christian Charron</i></p>
10:30-10:45	<p>A Sustainable Technique of Pd-doping on TiO₂ using Plant-based Electron Donor Analytes for Photocatalytic Wastewater Treatment <i>Venkatanarasimha Rao Chelli, Yash Mundhada, Animes Kumar Golder</i></p>	<p>A regional Depth – Duration - Frequency formulation for sub-hourly extreme rainfall estimates in Sicily under scale invariance <i>Brunella Bonaccorso, Giuseppina Bringandi, Giuseppe Tito Aronica</i></p>	<p>Determination of Reservoir Inflows from River Basin using Soil and Water Assessment Tool (SWAT) and SWAT-CUP: A Case Study <i>Ch. Praveen Kumar, V.D. Regulwar, S.N. Londhe, V. Jothiprakash</i></p>
10:45-11:00	<p>Investigation of diapirism effect on Mond River, Bushehr-IRAN, using Remote Sensing <i>Mohsen Farzin, Saeideh Menbari</i></p>	<p>Effects of non-uniform flow in the mixing layer in compound channels <i>João Nuno Fernandes</i></p>	<p>Entropy Based Regional Precipitation Prediction in Case of Gediz Basin <i>Özgür Bozoğlu, Filiz Barbaros, Türkay Baran</i></p>

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11:00-11:15	Fate of fluoroquinolone-resistant Salmonella in full-scale wastewater treatment plant and effect of chlorine disinfection <i>Puselesto, Kumalo, Oluayemi Olatunji Awolusi, Sheena Kumari, Faizal Bux</i>	Genetic Algorithm Based Optimization of Multipurpose Cascade Reservoirs for Sustainable Economic Growth <i>Muhammad Usman Rashid, Muhammad Azmat, Ali Ajwad</i>	Rainfall-runoff modelling with application of wavelet neural networks in arid and semi-arid regions. Case study: GharehAghaj basin, Southern Iran <i>Z. Zarezadeh, M. Rahnemaei</i>
11:15-11:30	Discussion	Discussion	Discussion
11:30-12:00	Coffee break		
	Conference II: Session II.2 <i>Moderators: J. Paredes-Arquiola & B. Li</i>	Conference I: Session I.2 <i>Moderators: H. Vangelis & D. Tigkas</i>	Conference III: Session III.2 <i>Moderators: J. Wu & C. Pietro</i>
12:00-12:15	Initiating efficient Sb(V) removal for drinking water by a mechanism of reduction/adsorption sequence <i>Theopoula Asimakidou, George Vourlias, Kyriaki Kalaitzidou, Manassis Mitrakas, Konstantinos Simeonidis</i>	Drought and scarcity joint indicators for transboundary Iberian river districts: The case of Minho and Lima river basins <i>Rodrigo Maia, Miguel Costa, Juliana Mendes</i>	Development of a distributed hydrological software application employing novel velocity-based techniques <i>Konstantina Risva, Dionysios Nikolopoulos, Andreas Efstratiadis</i>
12:15-12:30	ENFOCAR: An approach to minimize exposure to toxic pollutants of disinfected water <i>Maria del Carmen Aznar-Luque, Cinta Porte, Cristina Postigo</i>	Drought monitoring and early warning framework <i>George Tsakiris, Harris Vangelis, Dimitris Tigkas, Vasileios Tsakiris</i>	Spatial variation in stable isotope and major ion concentrations of surface waters from Lake Balkhash catchment, Kazakhstan <i>Shen Beibei, Jinglu Wu</i>
12:30-12:45	Optimum allocation of the pollutant load distributions based on a linked simulation-optimization approach <i>M. Tamer Ayvaz, Derya Sadak, Alper Elci, Mehmet Dilaver, Selma Ayaz</i>	A joint remote-sensing based index for drought identification and characterization in the Caribbean Islands <i>Beatrice Monteleone, Brunella Bonaccorso, Mario Martina</i>	Towards reducing model error in flow predictions in ungauged basins via a Bayesian approach <i>Cristina Prieto, Nataliya Le Vine, Dmitri Kavetski, Eduardo García, César Álvarez, Raúl Medina</i>
12:45-13:00	Performance evaluation of Forward Osmosis-Reverse Osmosis hybrid system for treatment of produced water from oil production fields <i>Nasim Balouti, Seyyed Mehdi Abedan Dehkordi</i>	Drought Analysis with Standardized Precipitation Evapotranspiration Index (SPEI) in Marmara Region, Turkey <i>Ü. Güner Bacanlı, G.N. Akşan</i>	Hydraulic conductivity spatiotemporal variability in watersheds <i>Konstantinos X. Soulis, Paraskevi Londra, George Metaxas, George Kargas</i>
13:00-13:15	Selenium removal from water by adsorption onto FeOOH <i>K. Kalaitzidou, K. Simeonidis, M. Mitrakas</i>	Considering the use of crop evapotranspiration (ETc) in Reconnaissance Drought Index (RDI) <i>D. Tigkas, H. Vangelis, G. Tsakiris</i>	Physics based distributed integrated hydrological model for Yerli sub-catchment, Maharashtra, India <i>V.D. Loliyana, P.L. Patel</i>
13:15-13:30	Exploring the spatiotemporal water quality variations and their influencing factors in a large floodplain lake (Poyang Lake) in China <i>Bing Li, Guishan Yang</i>	Projecting meteorological drought by SPI in Gediz Basin/Turkey under RCP8.5 scenario <i>Umut Kirdemir, Umut Okkan</i>	Pan evaporation modelling in Central India using soft computing techniques <i>Hadi Sanikhani, Rasul Mirabbasi, Ozgur Kisi</i>

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13:30-13:45	Modelling surface water quality with limited data: a calibration approach applied to the Middle Tagus Basin (Spain) <i>Antonio Bolinches, Lucia De Stefano, Javier Paredes-Arquiola</i>	Characterization of meteorological drought at various time scales in the Lobo watershed, Côte d'Ivoire <i>Bérenger Koffi, Kouakou Lazare Kouassi, Martin Sanchez Angulo, Zilé Alex Kouadio</i>	Application of an analytical model framework to obtain summer streamflow distribution in Swiss catchments <i>A.C. Santos, M.M. Portela A. Rinaldo, B. Schaeffli</i>
13:45-14:00	Discussion	Discussion	Discussion
14:00-15:00	Light Lunch		
15:00-15:30	Keynote Speech (Auditorium) Micha Werner: "On the (f)utility of supporting water allocation policies with new data sources, models and forecasts"		
	Conference II: Session II.3 <i>Moderators: A. Addo-Bediako & R. Kumar</i>	Conference I: Session I.3 <i>Moderators: E. Arnone & M. Portela</i>	Conference IV: Session IV.2 <i>Moderators: M. Cunha & T. Tanyimboh</i>
15:30-15:45	Polypropylene based nanocomposite membrane with a novel self-assembled coating for seawater treatment via membrane distillation <i>Rajesh Kumar, Mansour Ahmed, Garudachari Bhadrachari, Jibu Thomas</i>	Fuzzy Linear Regression for assessment of drought effects on groundwater level in a coastal unconfined aquifer <i>Christopher Papadopoulos, Mike Spiliotis, Ioannis Gkiougkis, Fotios Pliakas, Basil Papadopoulos</i>	A flexible approach for the design of water distribution systems using Multi-Criteria Decision Analysis <i>Maria da Conceição Cunha, João Marques, Dragan Savic</i>
15:45-16:00	Utilization of Water hyacinths for the Extraction of Heavy Metals from Contaminated Water- Organic Acid Assisted Phytoremediation <i>Rasham Sallah-Ud-Din, Rashid Saeed, Mujahid Farid</i>	Effects of the 2016-2018 drought on Pequenos Libombos reservoir (Maputo, Mozambique): a comparative analysis <i>Maria Bermúdez, Manuel Álvarez, Jerónimo Puertas, Enrique Peña, Ronnie J. Araneda</i>	Water Quality vulnerability assessment and determination of critical control points in drinking water supply systems <i>Stavroula Tsitsifli, Vasilis Kanakoudis, Dionysios Tsoukalas</i>
16:00-16:15	Metal pollution in Blyde and Steelpoort rivers of the Olifants River System, South Africa <i>A. Addo-Bediako, M.R. Mohosana</i>	Approaching drought through human perception based on the sense of sound <i>Irida Tsevreni, Magdalini Tsevreni, Nikolaos Proutsos, Dimitris Tigkas</i>	Effects of spatial correlation of demands on the cost and resilience of water distribution networks: A new design optimization approach <i>Tiku T. Tanyimboh, Salah Saleh</i>
16:15-16:30	Simulation model of wastewater treatment plant with automatic control <i>Jesús Caravaca Vilchez, Javier Antonio Murillo Castarlenas, Adrián Navas Montilla, Sandra López Barcos, María José Tárrega Martí</i>	A Drought Alert system based on seasonal forecasts <i>Elisa Arnone, Marco Cucchi, Sara Dal Gesso, Marcello Petitta</i>	Preliminary Estimation of Spatial and Temporal Synchronization of water Demands in the Capital City of Libya <i>Salah H. A. Saleh, Mohamed Alsharif, Ali Ahmed Elkebir, Edawi Wheida</i>
16:30-16:45	Assessment of Heavy Metals Pollution in Groundwater of Ardabil Aquifer, Iran <i>Mina Rahimi, Vahid Rezaverdinejad</i>	Non-stationary behaviour of extreme events in Portugal: droughts and rainfall trends <i>F.A. Albuquerque, M.M. Portela</i>	On the potential of the first flush concept for sizing criteria of stormwater control practices <i>Sara Todeschini, Sauro Manenti</i>

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16:45-17:00	Water Quality Assessment using a Modified Water Quality Index: A Case Study of el Abid River – Morocco <i>Ismail Karaoui, Abdelkrim Arioua, Mohamed Hssaisoune, Abdelkhalk El Amrani Idrissi, Kamal Ait ouhamchich, Dris Elhamdouni, Wafae Nouaim</i>	Investigation about trends in rainfall in a small island: the case of Madeira Island, Portugal <i>Luis Angel Espinosa Villalpando, Maria Manuela Portela, Rui Rodrigues</i>	Best management practices as an alternative for flood and urban storm water control: the study case of a urban watershed in the Metropolitan Area of Rome (Italy) <i>F. Recanatesi, C. Giuliani, M. Piccinno, B. Cucca, M.N. Ripa</i>
17:00-17:15	Diapir as the main point of salty pollution in Kakan subwatershed, Central Zagros Mountains, Iran <i>Mohsen Farzin</i>	Estimation of local drought frequency in a small dam using the daily evapotranspiration rate and precipitation <i>M. Mathlouthi, F. Lebdi</i>	RISKNOUGHT: A Cyber-Physical Stress-Testing Platform for Water Distribution Networks <i>Dionysios Nikolopoulos, Georgios Moraitis, Dimitrios Bouziotas, Archontia Lykou, George Karavokiros, Christos Makropoulos</i>
17:15-17:30	Microalgae-bioremediation of water containing pesticides: the experience of the BECAS project <i>Ester López-García, Maria Vittoria Barbieri, Cristina Postigo, Romina Ávila, Paqui Blánquez, María Rambla-Alegre, Vinyet Solà, Teresa Vicent, Miren López de Alda</i>	Regional frequency analysis of droughts in Küçük Menderes Basin <i>Gülay Onuşluel Gül, Ayşegül Kuzucu, Ali Gül</i>	Evaluating the investment needs for water and sanitation assets renewal: the case of the Spanish urban water cycle <i>Pilar Gracia-de-Rentería, Fatine Ezbakhe, Andrés Guerra, Amelia Pérez Zabaleta, Agustí Pérez Foguet, Mario Ballesteros</i>
17:30-17:45	Ecological status of Greek lakes based on different biological quality elements – criticism on the one out - all out principle <i>Chrysoula Ntislidou, Dionissis Latinopoulos, Olga Petriki, Vasiliki Tsiaoussi, Ifigenia Kagalou, Dimitra C. Bobori</i>		Quantifying the impact on stormwater management of an innovative ceramic permeable pavement solution in Benicàssim (Spain) <i>Jesica Tamara Castillo-Rodríguez, Ignacio Andrés-Doménech, Miguel Martín-Monerris, Ignacio Escuder-Bueno, Sara Perales-Momparler</i>
17:45-18:00	Discussion	Discussion	Discussion
18:00-19:00	General Assembly of EWRA		

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Poster Presentations

Conference II

Catalytic ozonation of 4-chlorobenzoic acid and benzotriazole under a continuous flow system
Georgios Metaxakis, Efthimia Kaprara, Savvina Psaltou, Anastasios Zouboulis, Manasis Mitrakas

Fig Leaves (*Ficus carica*) as Adsorbents for Removal of 4-Bromoaniline (4BA) from Aqueous Solutions: Modelling and Optimization
Hayet Tizi, Tarek Berrama, Zoubida Bendjama

Study of scale formed by southern Algeria groundwater on irrigation PVC pipe by degassing CO₂ water
Rachid Ketrane

Design of experiment for chromium (VI) removal with PVC/Alquat336 polymeric inclusion membrane in MF-FSMC module
Said Bey, Hassina Semghouni, Alessandra Criscoli, Alberto Figoli, Francesca Russo, Mohamed Benamor, Enrico Drioli

Performance of different types of vegetation in wetland systems for wastewater treatment. Life-size test in La Almunia de Doña Godina
Oscar Ruiz Lozano, Alejandro Acero Oliete, Beniamino Russo, Marta Lapuente Fabregas

10:00-13:30 WaterSpy: Utilizing photonics technology for drinking water quality analysis
George Kopsiaftis, Anastasio Doulamis, Nikolaos Doulamis, Athanasios Voulodimos, Matthaïos Bimpas, Aikaterini Angeli, Nikolaos Bakalos, Alessandro Giusti, Panayiotis Philimis, Panayiota Demosthenous

Evaluation of decision making tree classification algorithm in revealing the process of water quality changes in Lake Urmia, Iran
Saeideh Menbari, Mohsen Farzin, Mohammad Zare

Development of a method for multielemental determination in water by EDXRF with radioisotopic source of ²³⁸Pu
Camilo Serrano Fuentes, Juan R. Estévez Leyva, Zenaida Carolina Leyva Inzunza

Conference IV

Multi-Criteria assessment of flood hazard in urban drainage systems
Ioannis M. Kourtis, Chrysaida-Aliki Papadopoulou, Harris Vangelis, Vassilios A. Tsihrintzis

Development of a hybrid biofilter for stormwater treatment and for the remediation of nitrate-contaminated groundwater
Asher Brenner, Amir Aloni, Hodaya Cohen, Or Gradus, Asaf Mor, Oshrat Koren, Semion Shandalov, Yaron Zinger

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<i>Poster Presentations</i>	
	Conference III
	Post-2010 forest fire hydrological changes in the Upper Nahal Oren Basin, Mt. Carmel, Israel: a comparison to pre-fire rates <i>Noam Greenbaum, Lea Wittenberg, Dan Malkinson, Moshe Inbar</i>
	DEM-resolution control on rainfall-triggered landslide modeling within a triangulated network-based model <i>Elisa Arnone, Yannis G. Dialynas, Antonio Francipane, Leonardo V. Noto</i>
	Field and laboratory toolbox for unsaturated zone hydrological studies <i>Zavridou Efthymia, Markantonis Konstantinos, Kallioras Andreas</i>
	Return-Period Analyses of Maximum and Minimum Events in Malaxa, Crete <i>Mohamed Elhag, Nese Yilmaz</i>
	Soil Water Content Measurements with Time Domain Reflectometry (TDR) <i>Alexandros Papadopoulos, Petros Kofakis, Andreas Kallioras</i>
	Water Level Prediction in a Tidal River Using a Deep Learning Algorithm <i>Giha Lee, Sungho Jung, Daeup Lee</i>
16:00-17:30	Modeling of flows from some springs in the Bouzizi - Seraidi sector (N-E Algerian) <i>H. Majour, A. Hani</i>
	Conference VII
	A thorough investigation of energy recovery from tannery effluent in the context of circular economy <i>Evgenios Kokkinos, Vera Proskynitopoulou, Effrosyni Peleka, Anastasios Zouboulis</i>
	Measuring Changes in Water Level Fluctuations and the Associated Effect on the Distribution of Wetland Vegetation in Poyang Lake, China <i>Rongrong Wan, Guishan Yang, Xue Dai</i>
	Promoting urban integration through green Infrastructure incorporation to improve climate governance in cities <i>Nikolaos Proutsos, Constantinia Tsagari, George Karetsos, Alexandra Solomou, Evangelia Korakaki, Evangelia Avramidou, Nikolaos Gounaris, Konstantinos Kontos, Christos Georgiadis, Aimilia Kontogianni, Despina Vlachaki</i>
	Optimization of pumps working as turbines under economic criteria, in water irrigation networks, to improve sustainability: Case study <i>M. Pérez-Sánchez, H. Montero, FJ Sánchez-Romero, PA López-Jiménez</i>

* The presenting authors of poster papers are requested to be present at the poster room during coffee break

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		Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
Thursday, 27 June 2019		Conference I: Session I.4 <i>Moderators:</i> <i>L. Mediero & V. Bellos</i>	Conference V: Session V.1 <i>Moderators:</i> <i>C. Das & D. Adamson</i>
	09:00-09:15	Quantification of expected changes in peak flow quantiles in climate change by combining hydrological modelling with the modified CN method <i>Enrique Soriano, Luis Mediero, Carlos Garijo</i>	On Farm Water-Use Efficiency Investments: Perennials and Climate Change <i>David Adamson, Adam Loch</i>
	09:15-09:30	Climatic and anthropogenic factors affecting river discharge in Piranhas-Açu Basin in Brazilian Semi-arid: trend test and change-point analysis <i>Lucas Falcao, Ticiane Studart, Maria Manuela Portela</i>	Combined use of river basin network model and analytic hierarchy process in assessing sustainability of water allocation scenarios <i>Bojan Srdjevic, Zorica Srdjevic, Bosko Blagojevic, Ratko Bajcetic</i>
	09:30-09:45	Raingauge network extension using a simulated annealing heuristic: main challenges in calibration of algorithm parameters <i>Afef Chebbi, Maria da Conceição Cunha, Zoubeida Bargaoui</i>	Risk Identification of Wastewater Reuse for Cooling Water of Steel Factories: (Case Study: Esfahan's Mobarakeh Steel Complex) <i>Salma Arjmandi, Massoud Tabesh</i>
	09:45-10:00	SOON: the Station Observation Outlier finder <i>Sara Dal Gesso, Elisa Arnone, Marco Venturini, Marco Cucchi, Marcello Petitta</i>	Utilization of tea factory solid wastes towards polyphenols extraction <i>Suman Saha, Chandan Das</i>
	10:00-10:15	Employing innovative technologies and procedures are critical in meeting growing water demands in the arid regions of the world <i>Riaz Ahmed Sahi</i>	Comparison of reference evapotranspiration estimations: Simplified Penman's formulae versus reduced FAO Penman-Monteith <i>John Valiantzas</i>
	10:15-10:30	Uncertainty quantification in a dam break flood study due to breach parameters <i>Vasilis Bellos, Vasileios Tsakiris, George Kopsiaftis, George Tsakiris</i>	Irrigation scheduling of cool and warm season turfgrass irrigated with sprinkler irrigation method <i>Süleyman Bezirgan, A. Halim Orta</i>
	10:30-10:45	The influence of land use change and urban growth on river flood hazard in Villahermosa (Mexico) <i>Omar S. Areu-Rangel, Luis Cea, Rosanna Bonasia, Victor J. Espinosa-Echavarría</i>	Biogas production from domestic waste and wastewater using bacterial species isolated from animal husbandry <i>P. Shrivastava, R. Shrivastava, A. Vishwanath, P. Bhakre., K. Samal, S.R.Geed, K. Mohanty, C. Das</i>
	10:45-11:00	A study on the change in flow parameters due to construction of bridges across River Brahmaputra <i>Prajna Parmita, Rajib Kumar Bhattacharjya</i>	Water management in Turkey: the effects of climate change on agriculture and the economy <i>Clara Sánchez Cerdà, Tolga Pilevneli, Goksen Capar</i>

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11:00-11:15	Variance of Pipe Flow-Series as Surrogate Reliability Measure in design of water distribution networks <i>S. Rathj, R. Gupta</i>	Modified budget of net anthropogenic nitrogen inputs to large watersheds: application in Lower Mondego (Portugal) <i>João Vieira, Maria Conceição Cunha, Ricardo Luis</i>
11:15-11:30	Discussion	Discussion
11:30-12:00	Coffee break	
	Conference I: Session I.5 Moderators: <i>A. Sordo-Ward & E. Caporali</i>	Conference V: Session V.2 Moderators: <i>A. Loukas & J. Gómez-Limón</i>
12:00-12:15	How many storms are needed to estimate the maximum annual flood? A continuous, fully-distributed, physically-based model approach <i>Ivan Gabriel-Martin, Alvaro Sordo-Ward, David Santillán, Luis Garrote</i>	Hydro-economic modelling approaches for agricultural water resources management in a Greek Watershed <i>Angelos Alamanos, Nikitas Mylopoulos, Athanasios Loukas, Dionysios Latinopoulos, Stefanos Xenarios</i>
12:15-12:30	WEBFRIS: a web based flood information system for enhanced resilience through risk awareness <i>Mohit Prakash Mohanty, Subhankar Karmakar, Subimal Ghosh</i>	Participatory water governance to protect drinking water resources in an agricultural peri-urban area <i>Maria Vittoria Barbieri, Cristina Postigo, Raimon Roda, Elena Isla-Gil, Gemma Fraces, Anna Casanovas, Enric Queralt, Vinyet Sola, Jordi Martín-Alonso, Agustina De la Cal, Maria Rosa Boleda, Ester López-García, Antoni Ginebreda, Damia Barceló, Miren López de Alda</i>
12:30-12:45	Assessing Operational Reservoir Rules for Evaluating Flood Risk Scenarios Using a Monte Carlo Bivariate Framework – A Case Study in Sicily <i>Angela Candela, Giuseppe T. Aronica</i>	Adaptation of irrigated agriculture to climate change: a review focusing on qualifying agriculture and forest stakeholders <i>Diogo S. Martins, Teresa Afonso do Paço, Gonçalo C. Rodrigues, Luis Mira da Silva, Tiago Pinto, Alexandra Diogo, Conceição Santos Silva</i>
12:45-13:00	A methodology for the assessment of river levee overtopping hydrological risk at ungauged sites <i>Matteo Isola, Enrica Caporali, Luis Garrote, Luis Mediero</i>	Optimal use of groundwater for irrigation purposes in Al-Salhubia area, Al-Muthana Governorate, south Iraq <i>Ali Abdelrahim Obeed Al-Azawi, Ayser Mohammed Al-Shamma'a</i>
13:00-13:15	Nonstationary Frequency Analysis over a Flood Prone Indian Catchment <i>Mousumi Ghosh, Jitendra Singh, Subhankar Karmakar, Subimal Ghosh</i>	Insuring water supply in irrigated agriculture: A proposal for hydrological drought index-based insurance in Spain <i>J.A. Gómez-Limón, M.D. Guerrero-Baena</i>
13:15-13:30	Non-stationary flood frequency analysis in Langat basin, Malaysia <i>Valeriya Filipova</i>	Assessment of agricultural drainage water quality changes throughout the sustainability of water resources <i>Engin Yurtseven, Sertan Avci</i>
13:30-13:45	Scenario analysis for energy optimization of pumping plants in complex water supply systems <i>Jacopo Napolitano, Giovanni Maria Sechi</i>	Dam break flood analysis caused by a landslide dam on Siang River, India <i>Prajna Parmita, Rajib Kumar Bhattacharjya</i>
13:45-14:00	Discussion	Discussion
14:00-15:00	Light Lunch	

Thursday, 27 June 2019

	Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
	Conference I: Session I.6 <i>Moderators:</i> <i>M. Zelenakova & A. Al-Qurashi</i>	Conference IX: Session IX.1 <i>Moderators:</i> <i>C. Cetinkaya & I. Ahmad</i>
15:00-15:15	Calibration procedure of regional flow-duration curves evaluating water resource withdrawal from diversion dam <i>Emanuela Sassu, Riccardo Zucca, Giovanni Maria Sechi</i>	Detection of Vegetation Water Requirement of a Mediterranean Wetland by Satellite Imagery <i>Mert Can Gunacti, Cem Polat Cetinkaya</i>
15:15-15:30	Importance of updating the hydrological frequency analysis when applied to countries with short period of records <i>Aisha Mufti Al-Qurashi</i>	Evaluating the performance of a hydrodynamic model using SAR images <i>Angeliki Gkouma, Ioanna Zotou, Vasilis Bellos, Vassilia Karathanassi, Vassilios A. Tshrintzis</i>
15:30-15:45	Assessment of extreme hydrological phenomena in the eastern Slovakia <i>Martina Zelenakova, Tatiana Solakova, Maria Manuela Portela, Zuzana Vranayová, Pavol Purcz, Dorota Simonová</i>	Assessment of Reservoir Sedimentation using Landsat Imagery & HEC-HMS Model in Kodar Reservoir Watershed of Chhattisgarh State, India <i>Champat Lal Dewangan, Ishtiyag Ahmad</i>
15:45-16:00	Prediction of suspended sediment yield in the Saf Saf catchment, northeast of Algeria <i>Kamel Khanchoul, Zine El Abidine Boukhrissa</i>	Contribution of Remote Sensing for the Estimation of the Sedimentation of the Beni Haroun Reservoir (Mila Town, Algeria) <i>F.Z. Tebbj, H. Dridi, M. Kalla, H. Baazi</i>
16:00-16:15	Quantifying sensitivity to drought: study case in São Paulo and Ceará, Brazil <i>Gabriela de Azevedo Reis, Francisco de Assis de Souza Filho, Renata Locarno Frota, Larissa Zaira Rafael Rolim, Taís Maria Nunes Carvalho</i>	Crop Water Requirement Prediction and Observation of Potential Productivity on the scope of a Mediterranean Agricultural Plot <i>Mert Can Gunacti, Ali Gul, Cem Polat Cetinkaya, Dilek Kahraman, Funda Kidoglu, Sener Ozcelik</i>
16:15-16:30	Flood Inundation Studies to Protect the National Highways <i>S. Mohan, Akash Sinha</i>	Groundwater over-abstraction in Jordan: Impact and Outlook <i>Rebecca Bahls, Ali Subah, Klaus Holzner, Razan Al-Roud, Mohammad Alhyari</i>
16:30-16:45	Water quality of Greek reservoirs: the impact of land cover and water resources management on phytoplankton <i>Valentini Navrozidou, Antonis Apostolakis, Sotiria Katsavouni, Efpraxia Mavromati, Vasiliki Tsiaoussi</i>	Automatic generation of a TIN discrete model for rainfall-runoff transformation and hydraulic propagation based on DEM data <i>Marco Sinagra, Carmelo Nasello, Tullio Tucciarelli, Tommaso Moramarco</i>
16:45-17:00	Investigating the need for inclusion of water quality objectives in water distribution network optimisation models <i>Mercy S. Nyirenda, Tiku T. Tanyimboh</i>	A hybrid GIS-Shannon' Entropy framework for artificial recharge in arid regions plain <i>Seyyed Ahmad Sajadi, Shahrooz Shojaie, Majid kholghi</i>
17:00-17:15	Water Yearbook: A yearly overview of Jordan's water resources <i>Thair Al-Momani, Klaus Holzner</i>	Machine Learning Analyses of Climate Data and Models <i>V.V. Vesselinov, D. O'Malley, B.S. Aelxandrov, C. Furusho, K. Stefan</i>
17:15-17:30	On the use of DPSIR model for defining the water quality determinants of groundwater abstraction in coastal aquifer <i>Samir Hani, Sami Lallahem, Azzedine Hani, Larbi Djabri, Hicham Chaffai, Nabil Bougherira</i>	Optimal location of subsurface dams in arid regions using geographic information system and analytic hierarchy process <i>Seyyed Sadjad Mehdizadeh Mahali, Milad Ghoroghi, Ahmad Naqizadeh</i>
17:30-17:45	Effect of Shape Parameters on Earthen Embankment Failure due to Overtopping <i>R.M. Kansoh, M. Elkholy, G. Abo-Zaid</i>	Choosing the best route for a marine channel from the Arabian Gulf to Lake Razzazah in Iraq using GIS <i>Suad Mohamed Al-Sadi, Saif Ali Al-Juhaishi, Wisam Al-Hassani</i>
17:45-18:00	Discussion	Discussion

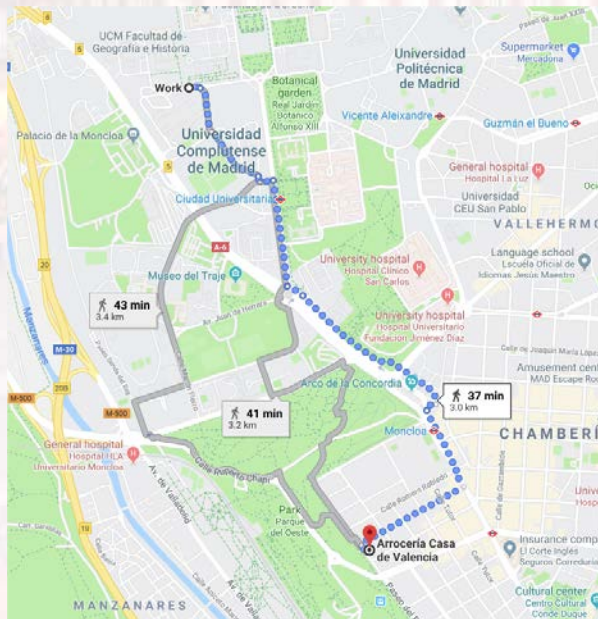
Thursday, 27 June 2019

Gala Dinner

The Gala Dinner will be served at “Casa de Valencia”



21:00-23:30



Casa de Valencia is located at one metro stop or 40 min walk from the venue of the Congress.

The participants should present their ticket which will be provided during registration.

There will be no transportation available from the venue of the Congress to the Gala Dinner location.

Thursday, 27 June 2019

Thursday, 27 June 2019

Poster Presentations

Conference I

Application of stochastic dual dynamic programming in operation optimization of the Jaguaribe-Metropolitano reservoirs system
Victor Costa Porto, Francisco de Assis de Souza Filho, Taís Maria Nunes Carvalho, Renan Vieira Rocha, Renata Locarno Frota

Determination of hedging rule curves to mitigate water supply deficit for a single dam using dynamically dimensioned search method
Youngkyu Jin, Sangho Lee

Exploring the relationship between climate indices and hydrological time series using a machine learning approach
Larissa Zaira Rafael Rolim, Francisco de Assis de Souza Filho, Renan Vieira Rocha, Gabriela de Azevedo Reis, Taís Maria Nunes Carvalho

Reservoir operation under the uncertainties of rainfall-runoff models
Renan Vieira Rocha, Francisco de Assis de Souza Filho, Ályson Brayner Sousa Estácio, Victor Costa Porto, Larissa Zaira Rafael Rolim

Method for Water Sustainability assessment of multipurpose reservoirs: a case study
Ályson Brayner Sousa Estácio, Victor Costa Porto

Integrated model of capacity expansion and operation of water supply systems including non-conventional water sources
Taís Maria Nunes Carvalho, Francisco de Assis de Souza Filho, Victor Costa Porto, Gabriela de Azevedo Reis, Larissa Zaira Rafael Rolim

10:00-13:30

A proposal framework for Flood Risk assessment in Cultural Heritage sites upon specific ultra-detailed stage-damage functions
Julio Garrote, Andrés Díez-Herrero, Cristina Escudero, Ines García

Development and validation of a flood forecasting system for 3 small catchments in the Northwest of Spain
Ignacio Fraga, Luis Cea, Orlando García-Feal

New approaches toward efficient and robust uncertainty quantification in real-time flood forecasting
Vinh Ngoc Tran, Jongho Kim

The relationship between precipitation depth and weather circulation patterns over Sicily
Giuseppe Cipolla, Antonio Francipane, Stephen Blenkinsop, Hayley Fowler, Leonardo Valerio Noto

Drought occurrence probabilities based on copulas
Joao Dehon de Araujo Pontes Filho, Ticiano Marinho Carvalho Studart, Maria Manuela Portela, Francisco de Assis Souza Filho

Application of the Humidity index in the Crati River basin (Italy)
Ernesto Infusino, Tommaso Caloiero, Francesco Fusto

Comparative study on the estimation of flood peaks based on the peaks-over-threshold method and annual maximum method
G. Onuşluel Gül, A. Gül

Thursday, 27 June 2019

<i>Poster Presentations</i>	
	Conference IX
	Evaluation of the water space evolution in the Middle Jaguaribe during the period 2007 to 2017 <i>Renata Locarno Frota, Francisco de Assis Souza Filho, Larissa Zaira Rafael Rolim, Tais Maria Nunes Carvalho, Gabriela de Azevedo Reis</i>
	Optimal sensor placement for watersheds characterization based on the rational method <i>Sergio Zubezcu, Leonor Rodríguez-Sinobas, Daniel Segovia, Andrés Díez</i>
	Assessment of GPM precipitation data with rain measurement from rain gauge (case study Lorestan, Iran) <i>Abdolnabi Abdeh Kolahchi</i>
	Tropical Rainfall Measuring Mission performance in the measurement of precipitation for the Muriaé sub-basin <i>Renata Locarno Frota, Francisco de Assis Souza Filho, Larissa Zaira Rafael Rolim, Gabriela de Azevedo Reis, Victor Costa Porto</i>
	Towards extracting hydrographic networks using satellite products for soil moisture <i>I. Papageorgaki, I. Nalbantis</i>
16:00-17:30	Conference V
	Smart On-Farm Irrigation of Chia-Nan Irrigation Association of Taiwan <i>Frederick N.-F. Chou, Hao-Chi Lee, Chia-wen Wu</i>
	Evaluation of the Square Root Time model in estimating the evaporation from a bare loam soil <i>George Kargas, Paraskevi Londra, Eleni Karistinou, Dimitrios Katsipis, Konstantinos Soulis</i>
	Italian approach to quantify water for irrigation <i>Raffaella Zucaro, Marianna Ferrigno, Veronica Manganiello</i>
	Searching for the most accurate method for riverine nutrient load estimation as a function of monitoring frequency <i>Daeryong Park, Momcilo Markus, Myoung-Jin Um, Kichul Jung</i>
	Effects of soil moisture and vegetation cover on soil temperature in water-limited environments <i>Javier Lozano-Parra, Manuel Pulido, Carlos Lozano-Fondón, Susanne Schnabel</i>
	The role of soil moisture and vegetation cover on biomass growth in water-limited environments <i>Javier Lozano-Parra, Susanne Schnabel, Manuel Pulido, Álvaro Gómez-Gutiérrez, Francisco Lavado-Contador</i>

* The presenting authors of poster papers are requested to be present at the poster room during coffee break

Friday, 28 June 2019

	Salon de Actos (Auditorium)	Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)	
Friday, 28 June 2019	09:00-09:30	Keynote Speech (Auditorium) Alberto Garrido: “Water policy and economic issues”		
		Conference XI: Session XI.1 <i>Moderators:</i> <i>A. Exposito & A. Iglesias</i>	Conference VIII: Session VIII.1 <i>Moderators:</i> <i>L. Rodriguez & M. Marchamalo</i>	Conference X: Session X.1 <i>Moderators:</i> <i>A. Escriva-Bou & A. Longobardi</i>
	09:30-09:45	Effects of water pricing at river basin scale: the case of Guadalquivir (Southern Spain) <i>M.M. Borrego-Marín, A. Expósito, J. Berbel</i>	Modeling Discontinuous Aquifers using Modified Response Matrix Approach <i>S. Mohan, K. Neenu</i>	Assessment of GCM and Scenario Uncertainty to Project Streamflow Under Climate Change <i>Subhadarsini Das, Umamahesh Nanduri</i>
	09:45-10:00	Irrigation technology and water conservation: from panaceas to actual solutions <i>C. Dionisio Pérez-Blanco, A. Hrast-Essenfelder, C. Perry</i>	Analyzing the Groundwater Age and Flow Fractions in Subsurface Hydrologic Systems <i>Nitha Ayinippully Nalarajan, Suresh Kumar Govindarajan, Indumathi M Nambi</i>	Reservoir performance under climate change: validating the storage-yield-reliability approach <i>Alfredo Granados, Álvaro Sordo-Ward, Iván Gabriel-Martín, Luis Garrote</i>
	10:00-10:15	Mapping water scarcity in India using Water Poverty Index <i>Ashish Chopra, Parthasarathy Ramachandran</i>	Estimation of the flow parameters in unsaturated zone using shuffled frog leaping algorithm <i>Mamata Das, B.G. Rajeev Gandhi, Rajib Kumar Bhattacharjya</i>	Assessment of climate change impacts on water supply systems: application to the Pozzillo reservoir, Sicily <i>David Johnny Peres, Antonino Cancelliere</i>
	10:15-10:30	Cost-benefit analysis of river restoration in Switzerland <i>Ivana Logar, Roy Brouwer, Amael Paillex</i>	Numerical Groundwater Flow Model of Jordan <i>Mona Dahabiyeh, Mark Gropius</i>	Prediction of future water resources sustainability of the Yellow River under climate change <i>Huijuan Cui</i>
	10:30-10:45	A market mechanism for sharing a polluted river <i>Anand Abraham, Parthasarathy Ramachandran</i>	Numerical model of groundwater flow using MODFLOW: Application to western Bursa, Turkey <i>Serdar Korkmaz, Muhammed Zakir Keskin</i>	Preliminary long term changes in inter-annual precipitation variability in a Mediterranean region <i>Antonia Longobardi, Ouafik Boulariah</i>
	10:45-11:00	Monitoring the access to water, sanitation and hygiene in the MENA region: survey errors and compositional nature <i>Fatine Ezbakhe, Agustí Pérez-Foguet</i>	Detecting seawater intrusion by using 3D electrical resistivity imaging technique in Dibdibba aquifer at Basrah Governorate south of Iraq <i>Firas H. AL-Menshed</i>	Assessing lake vulnerability to climate change using the coupled MIKE SHE/MIKE 11 model: Case study of Lake Zazari in Greece <i>D. Papadimos, K. Demertzi, D. Papamichail</i>

Friday, 28 June 2019

	Salon de Actos (Auditorium)	Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
11:00-11:15	Structural analysis as a supporting tool in Strategic Prospective <i>Renata Locarno Frota, Francisco de Assis Souza Filho, Renan Vieira Rocha, Gabriela de Azevedo Reis, Victor Costa Porto</i>	Identification of Groundwater Zones and Subsurface Lithology in Saint Martin's Island Using Vertical Electrical Sounding <i>Md. Misbah Uddin, Md. Minhazur Rahman, Mohd. Tahmidur Rahman</i>	Transitioning to Sustainable Groundwater Use: an Economic Analysis of Supply and Demand Management Options in California's Central Valley <i>Alvar Escriba-Bou, Josué Medellín-Azuara, Ellen Hanak, Jay R. Lund</i>
11:15-11:30	Discussion	Discussion	Discussion
11:30-12:00	Coffee break		
	Conference XI: Session XI.2 <i>Moderators: S. García de Jalón & C. Gutiérrez-Martín</i>	Conference VIII: Session VIII.2 <i>Moderators: C-S. Fen & A. Hani</i>	Conference X: Session X.2 <i>Moderators: M. Blanco & M. Bermúdez</i>
12:00-12:15	Water poverty in large cities in Spain <i>Samara López Ruiz, Cecilia Tortajada, Francisco González-Gómez</i>	Agronomic and Groundwater Nitrate Contamination Modelling in Rural Basin, Central Greece <i>Pantelis Sidiropoulos, Georgios Tziatzios, Lampros Vasiliades, Nikitas Mylopoulos, Athanasios Loukas</i>	Climate Change effects for severe rainfall events in Madrid Region <i>Antonio Lastra de la Rubia, Mónica Ortega Castro, Jaime Botello Herranz</i>
12:15-12:30	Monitoring WASH services at household and community level – Do variations exist? <i>Julio Alejandro Ríos Hernández, Ricard Giné Garriga, Agustí Pérez-Foguet</i>	Identifying the sources of reactive contaminants in groundwater aquifers using simulation-optimization approach <i>Aatish Anshuman, T.I. Eldho</i>	Coupling CFSv2 with ArcSWAT for seasonal hydrological forecasting in a Mediterranean basin <i>Konstantinos Kaffas, Maurizio Righetti, Diego Avesani, Mike Spiliotis, Vlassios Hrisanthou</i>
12:30-12:45	Water Rights Valuation at Atacama Desert, Chile: Transactions Characteristics and Price Dispersion <i>Luis Mateo-Peinado, Lisandro Roco-Fuentes, Manuel Prieto</i>	Upward transport of trichloroethylene vapour in a soil column <i>Chiu-Shia Fen, Chiwei Tsoa, Poyang Yen</i>	Flow Risk Assessment under Climate Change Effect in Yesilirmak Basin, Turkey <i>Ugur Serencam, Ismail Dabanli</i>
12:45-13:00	The environmental impacts of flow regulation in Spain <i>Silvestre García de Jalón, Marta González del Tánago, Diego García de Jalón</i>	Origin of an industrial pollution in Berrahal aquifer system, Algeria <i>A. Hani, H. Khelfaoui, H. Chaffai, S. Hani, N. Bougherira, L. Djabri</i>	Integrating top-down and bottom-up approaches for climate change adaptation in the Jucar river basin (Spain) <i>Patricia Marcos García, Manuel Pulido Velázquez</i>
13:00-13:15	Self-financing the purchase of water for environmental purposes through a public water bank <i>Carlos Gutiérrez-Martín, José A. Gómez-Limón, Nazaret Montilla-López</i>	The arsenic and uranium ratios in sediment and groundwater samples as an indicator for contaminated areas from different sources <i>J. Wurl, L. Mendez-Rodriguez, M. Schneider, L. Thomas</i>	A robust method to update local IDF curves and flood maps using global climate model output and weather typing based statistical downscaling <i>María Bermúdez, Luis Cea, Els Van Uytven, Patrick Willems, Jerónimo Puertas</i>
13:15-13:30	Water values: participatory water ecosystem services assessment in the Arno River basin <i>Tommaso Pacetti, Giulio Castelli, Lapo Cecconi, Lorenzo Tilli, Enrica Caporali, Elena Bresci</i>	Investigation of sharp-interface modifications, as surrogates of the variable density models <i>George Kopsiaftis, Vasileios Christelis, Adrian Werner, Aristotelis Mantoglou</i>	Investigations on the impacts of future climate change on the hydrology of a river basin in India using a macroscale hydrological model <i>Pushpendra Raghav, T.I. Eldho</i>

Friday, 28 June 2019

	Salon de Actos (Auditorium)	Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
13:30-13:45	Assessment of groundwater safety around contaminated water storage sites <i>Ivan Radelyuk, Kamshat Tussupova, Kulshat Zhapargazinova</i>	Nitrate concentration and transport simulation of a rural basin aquifer under the strict compliance to the E.U. Nitrates Directive (91/676/EEC) <i>Pantelis Sidiropoulos, Nikitas Mylopoulos, Lampros Vasiliades, Athanasios Loukas</i>	Impacts of climate change in European agriculture: the interplay between irrigation and agrifood markets <i>Maria Blanco, Pilar Martinez, Peter Witzke, Jordan Hristov, Guna Salputra, Jesus Barreiro-Hurle</i>
13:45-14:00	Water reliability to meet the socio-economic requirements under uncertain future climate and economic conditions and changing culture <i>Mahnedran Roobavannan, Jaya Kandasamy, Saket Pande, Saravanamuthu Vigneswaran, Murugesu Sivapalan</i>	Study of water infiltration in soil by Richards equations in 3D: summary and methodology validation <i>Ángel del Vigo García, Sergio Zubelzu Mínguez, Luis Juana Sirgado</i>	Comparison between the methodologies for issuance of water resources applied in Brazil and the Tennant method <i>Paulo Victor Freitas Lopes, Izabel Rodrigues Leite, Clelyse Andreia Souza Lima, Aleska Kaufmann Almeida, Isabel Kaufmann de Almeida</i>
14:00-14:15	Discussion	Discussion	Discussion
14:15-15:00	Light Lunch		
15:00-15:30	Keynote Speech (Auditorium) Joaquin Andreu: "Management of complex water resources systems under global change"		
	Conference VI: Session VI.1 <i>Moderators: J. Berbel & N. Pichel Mira</i>	Distant Papers <i>Moderators: I. Gabriel-Martin & C. Garijo</i>	Conference X: Session X.3 <i>Moderators: A. Sordo-Ward & J. Santiago</i>
15:30-15:45	Investigating the behavior of water shortage indices for performance evaluation of a water resources system <i>Nguyen Thi Thuy Linh, Frederick N.-F. Chou</i>	Monte-Carlo simulations for capacity planning and reservoir management for urban water supply systems <i>S. Burak, A.H. Bilge, F. Samanlıoglu</i>	Trade-off between environmental flow and water availability: a mesoscale analysis for Europe <i>Alvaro Sordo-Ward, María Dolores Bejarano, Isabel Granados García, Luis Garrote de Marcos</i>
15:45-16:00	Integrated nexus model for sustainable urban sanitation system <i>Tayebah Zinati Shoa, Matthias. Barjenbruch, Alexander Wriegen-Bechtold</i>	Water-Energy-Food Nexus Framework for Quantifying the Embedded Water and Energy in Food Production: A Case Study of Lebanon <i>Ali Karnib, Hatem Haidar</i>	Simulating Maximum Temperature for Future Time Series on Lower Godavari Basin, Maharashtra State, India by using SDSM <i>Y.J. Barokar, V.R. Saraf, D.G. Regulwar</i>
16:00-16:15	Evolution of water use, consumption and energy in the Spanish irrigated sector <i>J. Espinosa-Tasón, C. Gutiérrez-Martín, J. Berbel</i>	An ensemble modelling approach for groundwater salinity prediction <i>Alvin Lal, Bithin Datta</i>	Robust climate change adaptation strategies for the largest irrigated system in the European Union <i>David Haro, Leticia Palazón, Santiago Beguería</i>
16:15-16:30	Feasibility Study for Power and Water Cogeneration Plant in South Coast of Iran <i>Aliasghar Poursarvandi, Ramin Haghighi Khoshkho</i>	Determination of rate of pollution decay coefficient in Talar river, Iran <i>Rostam Sadeghi-Talarposhti, Kumars Ebrahimi, Abdolhosein Hourfar, Sotudeh Hoseini-Ghafari</i>	System dynamics for integrated management of the Jucar River Basin <i>Adrià Rubio Martín, Héctor Macian-Sorribes, Manuel Pulido-Velazquez, Alberto Garcia-Prats</i>

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	Salon de Actos (Auditorium)	Sala Verde (Green Room)	Sala de Seminarios (Seminar Room)
16:30-16:45	The Nexus Approach in Water, Food and Energy: Implemented Cases from Algeria <i>Nadjib Drouiche, Rafika Khacheba</i>	Multi-criteria Decision Support Framework for Water Sensitive Stormwater Management in an Urban Residential Complex <i>Rose N. Nyawo, Tiku T. Tanyimboh</i>	The challenges facing groundwater development companies in adopting new technologies and procedures in arid regions of the world <i>Riaz Ahmed Sahi</i>
16:45-17:00	Technical and financial assessment of water supply for a petrochemical company, a case study <i>Amir Fouladitajar, Mohammad Rasoul Pourghasem, Mohammad Danaye Manavi</i>	Pro-poor policy intervention in urban water management in Kenya: Towards universal access to affordable and safe water coverage <i>Anindita Sarkar</i>	The effect of climate change on fluvial ecosystems in the Sierra de Guadarrama National Park: past, present and future <i>J.M. Santiago, D. García de Jalón, C. Alonso, J. Solana-Gutiérrez</i>
17:00-17:15	Study on optimization of photovoltaic performance of SolWat: A hybrid technology for simultaneous clean water and electricity production <i>Natalia Pichel Mira, Marta Vivar García, Manuel Fuentes Conde</i>	Modelling water quantity in low impact development solution for stormwater management in residential area: a case study <i>Daniela Junqueira Carvalho, Maria Elisa Leite Costa, Cátia dos Santos Conserva, Liza Maria Souza de Andrade, Sergio Koide</i>	Slackwater sediment in a gully network records the increase in maximum probable precipitation due to climate change (Jaén, Spain) <i>José David del Moral-Erencia, Pedro Jesús Jiménez-Ruíz, Francisco José Pérez-Latorre, Patricio Bohorquez</i>
17:15-17:30	Discussion	Sugarcane Yield Prediction at Farm Scale Using Remote Sensing and Artificial Neural Network <i>Mostafa Rahimi Jamnani, Abdolmajid Liaghat, Nazanin Sadeghi Loyeh</i>	Mapping risk of gully erosion in Mediterranean olive groves affected by climate change (Jaén, Spain) <i>Pedro Jesús Jiménez-Ruíz, Patricio Bohorquez, José David del Moral-Erencia, Francisco José Pérez-Latorre</i>
17:30-17:45		Analysis of the variation of the hydrological response of the basin of the Arroyo Albuera, Subcuenca Del Río Luján, Province of Buenos Aires <i>Pablo Palmeyro, Tomás Bran, Ignacio Arzuaga, Susana Viñes, Mariana Torrero</i>	Impacts of Changing Precipitation Patterns on Hydrology and Pollutant Transport in a Subsurface-Drained Watershed <i>Margaret W. Gitau, Sushant Mehan</i>
17:45-18:00	Congress Closure	Geostatistical interpolation as a prior model improves accuracy: A comparative synthetic study <i>P.S.L. Sarada, B.V.N.P. Kambhammettu</i>	Discussion
		Evaluation of water losses in drinking water distribution networks in Turkey <i>Cigdem Coskun Dilcan, Goksen Capar, Aslihan Korkmaz, Ozlem Iritas, Yakup Karaaslan, Bulent Selek</i>	
		Water losses management in the urban network of Algiers <i>Karima Sebbagh, Abdelhamid Safri, Moula Zobot</i>	

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<i>Poster Presentations</i>	
	Conference X
	Analysis of the characteristics of dry and wet spells in a Mediterranean region <i>Tommaso Caloiero, Roberto Coscarelli</i>
	Evaluation of climate change impact on Arachthos river discharge using the SWAT model <i>Georgios D. Gikas, Georgios Lampros, Vassilios A. Tsihrintzis</i>
	Analyzing temperature attributes for the last half century in Heraklion – Crete, Greece <i>Nikolaos Proutsos, Evangelia Korakaki, Athanasios Bourletsikas, Konstandinos Kaoukis, Christos Georgiadis</i>
	Sustainability index assessment in the Flumendosa-Campidano water system management (Sardinia, Italy) <i>A. Sullis, A. Ruiu, R. Zucca, G.M. Sechi</i>
	Blue house: Attitudes toward sustainable water use <i>Daniela Kaposztasova, Zuzana Vranayova</i>
	Impacts of climate change on the Tagus Segura Water Transfer <i>Javier Senent-Aparicio, Adrián López-Ballesteros, Francisco Cabezas, Julio Pérez-Sánchez</i>
10:00-13:30	Marginal Utility-based Determination of Water Supply Quantity Considering Climate Change Scenarios <i>Eun-Sung Chung, Patricia Jitta Abdulai, Young Hoon Song</i>
	Conference XI
	A protocol-based integrated microeconomic Positive Multi-Attribute Utility Programming and HEC-HMS modeling framework to assess economic efficiency-water conservation tradeoffs in water reallocation policies <i>Héctor González López, Carlos Dionisio Pérez-Blanco, Arthur Hrast-Essenfelder</i>
	Identification of correlation between residential demand and average income using pool regression model <i>Gabriela de Azevedo Reis, Francisco de Assis de Souza Filho, Thaís Antero Oliveira, Renata Locarno Frota, Taís Maria Nunes Carvalho</i>
	Managing uncertainties in the decision-making process within water users association <i>Zorica Srđević, Bojan Srđević</i>
	Water Transfers from Agriculture: The Impact of Land Fallowing on Aquifer Conditions and Agricultural Production in Northern California <i>Eric Houk, Steffen Mehl, Kevin Anderson</i>

Friday, 28 June 2019

<i>Poster Presentations</i>	
	Conference VIII
	Coastal aquifer characteristics determination based on in-situ observations: River Neretva Valley Aquifer <i>Ivan Lovrinovic, Veljko Srzic, Mijo Vranjes, Marko Dzaja</i>
	A hybrid GIS-Shannon' Entropy framework for artificial recharge in arid regions plain <i>Seyyed Ahmad Sajadi, Shahrooz Shojaie, Majid kholghi</i>
	A lagging-theory model for slug test in a confined aquifer with sensitivity analysis <i>Ching-Sheng Huang, Ye-Chen Lin, Cheng-Pai Li, Hund-Der Yeh, Mo-Hsiung Chuang</i>
16:00-17:30	Conceptualization and Simulation of an Integrated Pump&Treat and Aquifer Storage and Recovery (ASR) pilot scheme in a saline aquifer <i>M. Perdikaki, A. Kallioras, C. Makropoulos, K. Dimitriadis</i>
	Mathematical Model of Aquifer in Minab Plain using Two-Dimensional Finite Volume Method <i>Amin Hajjahmadi, Mohammad J. Khanjani, Mahla Khoramvar</i>
	Conference VI
	Impact of e-flow methods on energy production of a run-of-river hydropower plant and fish habitat <i>Alban Kuriqi, Alvaro Sordo-Ward, Antonio N. Pinheiro, Luis Garrote</i>

* The presenting authors of poster papers are requested to be present at the poster room during coffee break

Saturday, 29 June 2019

09:00-17:00	<p style="text-align: center;">Field Trip</p> <p style="text-align: center;">Expected departure at 09:00</p> <p style="text-align: center;">Excursion to Toledo (Details available at the registration desk)</p>
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Conferences

- I. Hydroclimatic Extremes and Water Resources Management
- II. Water Quality and Water Treatment
- III. Hydrological Processes
- IV. Urban Water Management
- V. Agricultural Water Management
- VI. Water-Energy-Food Nexus
- VII. Ecosystems and Environmental Processes
- VIII. Groundwater Hydrology, Contamination and Management
- IX. Geoinformatics, Remote Sensing and Water Resources
- X. Global Change and Water Resources
- XI. Water policy and Socioeconomic Issues

Distant papers

Video presentations of distant papers

Duration of presentations

Oral presentations: 12 min - Discussion/questions: 15 min