



## Tentative Detailed Congress Programme

Wednesday 5 July 2017

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
09:00-09:30	Keynote Speaker: Slobodan P. Simonovic Updated IDF curves and extreme rainfall statistics under climate change			
	Conference I: Session I.1	Conference V: Session V.1	Conference II: Session II.1	Conference IV: Session IV.1
09:30-09:45	Flood risk and flood processes in a changing environment <i>A.H. Schumann &amp; S. Fischer</i>	Unusual river turbidity and water quality hysteresis in the most urbanised catchment in the UK <i>D. Lawler</i>	The effect of storage under climate change in Southern European basins <i>A. Granados, L. Garrote, Á. Sordo-Ward, F. Martín-Carrasco</i>	Drought Management and Policy: Changing the Paradigm from Crisis to Risk Management <i>D.A. Wilhite</i>
09:45-10:00	Water Depth-Damage Functions for flood direct tangible damage evaluation in built-up areas in Sardinia (Italy) <i>S. Frongia, A. Ruiu &amp; G.M. Sechi</i>	Pyrosequencing Analysis of Ammonia Oxidizing Bacteria in Municipal Activated Sludge System <i>O.O. Awolusi, S. Kumari &amp; F. Bux</i>	Assessment of climate-change impacts on precipitation based on selected RCM projections <i>D.J. Peres, M.F. Caruso &amp; A. Cancelliere</i>	Near-real time hydrological drought monitoring in the European Drought Observatory <i>C. Cammalleri, J. Vogt &amp; P. Salamon</i>
10:00-10:15	Numerical modeling of Samsun Mert River floods <i>A. Ulke, N. Beden, V. Demir &amp; N. Menek</i>	Evaluation of Membranes as Promising Technique for Reclamation and Reuse of Wastewater <i>B. Maryam, S. Ustun &amp; H. Buyukgungor</i>	Evaluating the Water Resources and Operation of Boukan Dam in Iran under Climate Change <i>F. Emami &amp; M. Koch</i>	Modification of the Palmer Drought Severity Index for Mediterranean environments. Model and Application <i>A. Paulo, D.S. Martins, P. Paredes, R.D. Rosa &amp; L.S. Pereira</i>
10:15-10:30	Flood Directive implementation in Greece; Experiences and future improvements <i>P. Dimitriadis, A. Tegos, A. Petsiou, V. Pagana, I. Apostolopoulos, E. Vassilopoulos, M. Gini, A. Koussis, N. Mamassis, D. Koutsoyiannis &amp; P. Papanicolaou</i>	The effect of polymer concentration on electrospun PVDF membranes for desalination by direct contact membrane distillation <i>S. Borhan Armand, F. Zokaei Ashtiani, M. Karimi, S. Ghavan Abadi &amp; A. Fouladitajar</i>	Turkish Water Foundation (TWF) Statistical Climate Downscaling Model Procedures and Temperature Projections <i>İ. Dabanlı &amp; Z. Şen</i>	Climate change and water valuation in Souss-Massa region: management and adaptive measures <i>L. Bouchaou, R. Choukr-Allah, A. Hirich, M. Seif Ennasr, M. Malki, H. Abahous, B. Bouaakaz &amp; A. Nghira</i>
10:30-10:45	Spatial Variability of Flood Source Areas Using "Unit Flood Response" Method <i>M. Rezaei, M. Vafakhah &amp; B. Ghermezcheshmeh</i>	Cesium Ion partitioning with Ionophores in Ionic Liquid-Water Biphasic systems <i>R. Biswas, P. Ghosh, T. Banerjee, Sk. Musharaf Ali</i>	Influence of the geographic location of dams on spring daily flows magnitude during the 2007-2008 La Niña event (Québec, Canada) <i>A.A. Assani &amp; A. Pothier-Champagne</i>	Analysis of Drought Severity in Seyhan River Basin <i>G. Onuşluel Gül &amp; A. Kuzucu</i>
10:45-11:00	Evaluation of Flood Management Plan on Cilemer River Basin, Indonesia <i>D. Indrawati, Y. Suryadi, D. Purwo Saputro, I. Taufik &amp; M. Bagus Adityawan</i>	High performance functionalized MWCNT/PES membrane for oil-in-water treatment <i>S.M. Abedan Dehkordi, F. Zokaei Ashtiani &amp; A. Fouladitajar</i>	An informational entropy application to test the goodness of fit of probability functions <i>T. Baran, F. Barbaros, A. Gül, G. Onuşluel Gül</i>	Coastal Aquifer Response to Drought Scenarios: The Case of Rhodes Island <i>H. Vangelis, G. Kopsiaftis, D. Tigkas &amp; V. Christelis</i>

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
11:00-11:15	Cluster Analysis and Classification of Storm Events at Rethymno <i>N. Martzikos, A. Lykou, C. Makropoulos &amp; V. Tsoukala</i>	Purification of Humic acids contained simulated wastewater using membrane ultrafiltration <i>S. Saha &amp; C. Das</i>	A snow variability analysis in Iran in relation to global warming and climate change <i>T. Raziei, I. Bordi &amp; L.S. Pereira</i>	Comparison of hedging rule curves depending on available water and current storage in reservoir operation under droughts <i>S. Lee, Y. Jin &amp; P. Jinhyeog</i>
11:15-11:30	Discussion	Discussion	Discussion	Discussion
11:30-12:00	Coffee break			
	Conference I: Session I.2	Conference V: Session V.2	Conference II: Session II.2	Conference IV: Session IV.2
12:00-12:15	Daily runoff estimation in Musi river basin, India, from gridded rainfall using SWAT model <i>V. Jothiprakash, C. Praveenkumar &amp; M. Manasa</i>	Removal of diclofenac in drinking water with fenton process <i>S. Ustun Odabasi &amp; H. Buyukgungor</i>	Hydrological and water temperature modelling for dam decommissioning and climate change studies <i>S.J. Dugdale, A. St-Hilaire &amp; R.A. Curry</i>	Monitoring drought in Shiraz, IRAN using Reconnaissance Drought Index (RDI) and Standardized Precipitation Index (SPI) <i>S. Ansarifard &amp; S.A. Shamsnia</i>
12:15-12:30	Distributed Rainfall Runoff Modeling over Krishna River Basin <i>S. Nandi &amp; M.J. Reddy</i>	CFD-aided modelling for hydrodynamic analysis of biological reactor <i>S. Manenti, S. Todeschini, M.C. Collivignarelli &amp; A. Abbà</i>	Assessment of Impact of Climate Change on Streamflows using VIC Model <i>A. Treesa, J. Das &amp; U. Nanduri</i>	Regional drought analysis for derivation the drought SAF curve using bivariate copula in the Lake Urmia basin, Iran <i>M. Montaseri, B. Amirataee &amp; H. Rezaie</i>
12:30-12:45	Application of HEC-HMS for the Event and Continuous Simulation in High-Altitude Scarcely-Gauged Catchment under Changing Climate <i>M. Azmat, M. Uzair Qamar, S. Ahmed, E. Hussain &amp; M. Umair</i>	Bimetal doping on TiO <sub>2</sub> for photocatalytic water treatment: A green route <i>V. Rao &amp; A. Kumar Golder</i>	Weather Generator Utilization in Climate Impact Studies: Implications for Water Resources Modelling <i>M.W. Gitau, S. Mehan &amp; T. Guo</i>	Assessing the use of SPI in detecting agricultural and hydrological droughts and their temporal cyclicity. Some Slovakian case studies <i>M.M. Portela, A. Tiago Silva J.F. Santos, M. Zeleňáková &amp; H. Hlavatá</i>
12:45-13:00	Prediction and validation of turbulent flow around a cylindrical weir <i>N.G. Soydan, O. Şimşek &amp; M.S. Aköz</i>	CFD modelling of wind effect on rectangular settling tanks of water treatment plants <i>A. Gkesouli &amp; A. Stamou</i>	Causes of Dimming/Brightening in Greece and Implications on Reference Evapotranspiration <i>G. Kitsara, G. Papaioannou &amp; P. Kerkides</i>	Peak drought severity time analysis of Cheongmicheon watershed using meteorological and hydrological drought index <i>S.H. Kim &amp; E-S. Chung</i>
13:00-13:15	Development of a Flow Estimation Model at Ungauged Sites: A Case Study in Turkey <i>G. Ezgi Diker &amp; B. Önöz</i>	Investigation of preparation conditions of Nano-SiO <sub>2</sub> embedded PES membranes for producing clean water from wastewater <i>M. Boshrouyeh Ghandashtani, F. Zokaee Ashtiani &amp; A. Fouladitajar</i>	Using Weather Research and Forecasting (WRF) model for extreme precipitation forecasting in an Andean region with complex topography <i>G. Yáñez Morroni, J. Gironás, M. Caneo &amp; R. Delgado</i>	Wavelet Transform based Trend Analysis for Drought Variability over 566 Stations in India <i>M. Kumar Goyal &amp; A. Sharma</i>
13:15-13:30	Time series analysis of water characteristics of streams in Eastern Macedonia – Thrace, Greece <i>T. Papalaskaris &amp; G. Kampas</i>	Understanding the Anaerobic Fluidized Membrane Bioreactor for Wastewater Treatment <i>J. Wang, A.G. Fane &amp; J. Wei Chew</i>	Impact of climate change on irrigation need and groundwater resources in Pinios Basin <i>A. Panagopoulos, F. Herrmann, V. Pisinaras &amp; F. Wendland</i>	Frequency and severity of dry spell phenomenon in Ghezala Dam reservoir (Tunisia) <i>M. Mathlouthi &amp; F. Lebdi</i>
13:30-13:45	Application of Bayesian Algorithm in Continues Streamflow Modeling of a Mountain Watershed <i>S. Sadeghi-Tabas, S.Z. Samadi &amp; B. Zahabiyoun</i>	Separation of hexavalent chromium (Cr(VI)) from wastewater through supported liquid membrane using environmentally benign solvent <i>S. Kumar Mondal &amp; P. Saha</i>	Investigations of trends in meteorological time series <i>M. Zeleňáková, P. Purcz, D.C. Diaconu, B. Pius, H. Hlavatá &amp; M.M. Portela</i>	Drought Analysis with SPI Index and Entropy <i>T. Baran, U. Guner Bacanlı &amp; F. Dikbas</i>

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
13:45-14:00	Discussion	Discussion	Discussion	Discussion
14:00-15:30	Light lunch			
15:30-16:00	Keynote Speaker: Nilgun Harmancioglu Overview of Water Policy Developments Pre- and Post-2015 Development Agenda			
	Conference I: Session I.3	Conference V: Session V.3	Conference II: Session II.3	Conference IV: Session IV.3
16:00-16:15	Impact of Extreme Events on Watershed Dynamics <i>J. Kim, M. Dwelle, A. Warnock, V. Ivanov &amp; N. Katopodes</i>	Moving Towards a Water-Sustainable Chemical Industry: Novel Water Recovery Processes <i>G. Kolliopoulos, E. Shum, J. Marial &amp; V.G. Papangelakis</i>	Generation of daily synthetic flows for Switzerland <i>M.M. Portela, A.T. Silva, A.C. Santos &amp; B. Schaefli</i>	Long-term variation of PDSI and SPI computed with reanalysis products <i>D.S. Martins, A.A. Paulo, C. Pires &amp; L.S. Pereira</i>
16:15-16:30	A Decision Support System for Urban stormwater drainage management <i>F. De Paola, M. Giugni, F. Pugliese &amp; P. Romano</i>	Treatment of Fluoride, Iron and Arsenic Contaminated Drinking Water <i>D. Ghosh &amp; M.K. Purkait</i>	Impact of climate change on inflows using refined precipitation and temperature scenarios <i>J. Vieira &amp; M.C. Cunha</i>	Water shortage characterisation for surface water systems with storage <i>I. Nalbantis</i>
16:30-16:45	On urban inundation and damage modelling <i>A. Radice, A. Bettiga, R. Figueiredo &amp; D. Molinari</i>	Biological treatment of a low strength domestic wastewater in a membrane bioreactor <i>A. Bezirgiannidis, N. Marinakis, S. Ntougias &amp; P. Melidis</i>	Spatial Analysis of Large Atmospheric Oscillations and Annual Precipitation in Lake Urmia Basin <i>B. Vaheddoost</i>	Sustainable Management of Rainwater Harvesting Systems: A Case Study of Semi-Arid Area <i>M. Nanekely &amp; M. Scholz</i>
16:45-17:00	Modelling of a combined sewer system and evaluation of mitigation measures using SWMM <i>I.M. Kourtis, V.A. Tsihrintzis &amp; E.A. Baltas</i>	Influence of Clay Lens on Contaminant Transport in Unconfined Coastal Aquifers <i>B. Sharma, D.S. Rishi, B. Kumar Mudai &amp; R. Kumar Bhattacharjya</i>	Seasonal and Annual Trend Analysis of Meteorological Data in Sanliurfa, Turkey <i>V. Gümüş, N.G. Soydan, O. Şimşek, H.M. Algin, M.S. Aköz &amp; K. Yenigun</i>	The effect of reservoir networks on drought propagation <i>P.R. van Oel, E.S.P.R. Martins &amp; A.C. Costa</i>
17:00-17:15	WRF-PDM: Prognostic approach for discharge prediction in ungauged catchment <i>P.K. Srivastava, T. Islam, G. Petropoulos &amp; M. Gupta</i>	Application of nanostructured materials in fluoride removal from contaminated groundwater <i>S. Bhattacharya</i>	Quantile Regression Based Method for Investigating Rainfall Trends Associated with Flooding and Drought Conditions <i>Y. Xuan, S.A. Abbas, X. Song &amp; D.E. Reeve</i>	Low Flow Conditions Evaluation within the Western Morava River Basin <i>Z. Simić &amp; B.B. Matić</i>
17:15-17:30	Estimation of the Muskingum Routing Coefficients by using Fuzzy Regression <i>M. Spiliotis &amp; L. Garrote</i>	Distribution and assessment of heavy metals and physicochemical parameters in riverine basin <i>M. Khalilzadeh Poshtegal, S. Ahmad Mirbagheri &amp; M. Noury</i>	Parametric study of trends in flood stages over time in the regulated Guadalquivir River (years 1910-2016) <i>P. Bohorquez &amp; J.D. Del Moral-Erencia</i>	Stochastic generation of low stream flow data of Perigiali Stream, Kavala city, NE Greece <i>T. Papalaskaris &amp; T. Panagiotidis</i>
17:30-17:45	A simple model for low flow forecasting in Mediterranean streams <i>K. Risva, D. Nikolopoulos, A. Efstratiadis &amp; I. Nalbantis</i>	Determination of longitudinal dispersion coefficient in streams with transient storage <i>Y. Velísková &amp; M. Sokáč</i>		Crop pattern modification for long term mitigation planning against persisting droughts <i>G. Tsakiris, D. Tigkas, V. Tsakiris &amp; H. Vangelis</i>
17:45-18:00	Discussion	Discussion	Discussion	Discussion
	Intermission – Free time			

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
	<i>Congress Reception Wyndham Grand Athens (Congress venue)</i>			
20:00-20:30	Inaugural speeches			
20:30-21:00	Keynote Speaker: Claudia Pahl-Wostl Water Governance in the Face of Global Change: From Understanding to Transformation			
21:00-21:30	Keynote Speaker: Luis S. Pereira Water Energy Food Nexus: Issues and Challenges			
21:30-24:00	Cocktail party – Live music			

<i>Poster Presentations</i>	
	Conference I
09:30-13:30	Influence of precipitation and land cover changes in a Mediterranean mountain watershed (Guadalaviar River, Spain) <i>I. Melendez-Pastor, E.I. Hernández, J. Navarro-Pedreño, I. Gómez, M<sup>a</sup> B. Almendro-Candel</i>
	An implementation of a water balance model in the Evrotas basin <i>P.G. Marinou, E.G. Feloni, O. Tzoraki &amp; E.A. Baltas</i>
	Multivariate modeling of meteorological drought <i>E. Iliopoulos, V. Tsakiris, H. Vangelis, D. Tigkas &amp; G. Tsakiris</i>
	Evaluation of Different Global Optimization Algorithms for Calibration of a Daily Hydrological Model <i>H. Khozayemnezhad, S. Sadeghi-Tabas, M. Pourreza-Bilondi</i>
	Ungauged drainage basins: Investigation on the basin of Peneios River, Thessaly, Greece <i>V. Gourgoulios &amp; I. Nalbantis</i>
	Conference IV
	Characterization of drought in Italy applying the Reconnaissance Drought Index <i>R. Zucaro, C. Antinoro &amp; G. Giannerini</i>
	SPI analysis over Greece using high resolution precipitation gridded datasets <i>E.G. Feloni, K.G. Kotsifakis, P.T. Nastos &amp; E.A. Baltas</i>
	System based multivariate drought characterisation for surface water <i>I. Nalbantis &amp; G. Tsakiris</i>
	Drought Identification and Trend Analysis in Peloponnese, Greece <i>K. Saita, I. Papageorgaki &amp; H. Vangelis</i>
	Recent changes in spatio-temporal trend of drought and precipitation in Xinjiang, northwest China <i>P. Xie, Y. Zhang, F. Xia, J. An &amp; L. Xiang</i>

Poster Presentations

Conference II	
14:00-18:00	Effects of climate and land use changes on runoff extremes <i>D. Pumo, E. Arnone, A. Francipane, V. Noto &amp; G. La Loggia</i>
	Forecasting of geophysical processes using stochastic and machine learning algorithms <i>G.A. Papacharalampous, H. Tyrallis &amp; D. Koutsoyiannis</i>
	Reliability Estimation of Rainwater Catchment System Using Future GCM Output Data (Case Study: Birjand City) <i>A. Jafarzadeh, M. Pourreza Bilondi, A. Khashei-Siuki, A. Aghakhani Afshar &amp; M. Yaghoobzadeh</i>
	WSMN: An in-situ Monitoring Network for Soil Moisture Monitoring in West Wales, UK <i>G.P. Petropoulos, J.P. McCalmont</i>
	Uncertainty in estimated water cycle determined with atmospheric budget, water budget and total water storage <i>M. Birylo</i>
	Seasonal Mean Baltic Sea Level Change in Coastal Zone <i>K. Pajak &amp; M. Birylo</i>
	A simple scaling procedure to assess the impact of climate change on extreme precipitation <i>A. Forestieri, E. Arnone &amp; L.V. Noto</i>
	Analysis of rainfall trend in southern Italy through the application of the ITA technique <i>T. Caloiero, R. Coscarelli &amp; E. Ferrari</i>
	Climate change mitigation and adaptation plan for West Athens <i>V. Krommyda</i>
	Spatiotemporal Evaluation of Reanalysis and in-situ Surface Air Temperature over Ethiopia <i>T.W. Tesfaye, C.T. Dhanya &amp; A.K. Gosain</i>
	An investigation of the use of Sentinel-2 data for mapping wetlands: a case study from Greece <i>A. Chatziantoniou, G.P. Petropoulos &amp; E. Psomiadis</i>
On the use of climate-flood links and CMIP5 projections to predict flood hazard under climate change scenarios <i>A.T. Silva, M.M. Portela &amp; M. Naghettini</i>	



## Tentative Detailed Congress Programme

Thursday 6 July 2017

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
09:00-09:30	Keynote Speaker: Vijay P. Singh Kinematic Wave Theory of Surface Runoff			
	Conference I: Session I.4	Conference V: Session V.4	Conference III: Session III.1	Conference VI: Session VI.1
09:30-09:45	Effect of land cover/use change on soil erosion assessment in Dubračina catchment (Croatia) <i>N. Dragičević, B. Karleuša &amp; N. Ožanić</i>	Desalination and alternative water resource <i>N. Tsiourtis</i>	On the barriers to adapt to less water under climate change in Mediterranean countries <i>A. Iglesias &amp; L. Garrote</i>	Efficient Parallel Evolutionary Optimization Algorithm Applied to a Water Distribution System <i>T.T. Tanyimboh &amp; A.G. Seyoum</i>
09:45-10:00	Development of flood and mudflow events for the spatio-temporal risk assessment of networks <i>J. Hackl, M. Heitzler, J.C. Lam, B.T. Adey &amp; L. Hurni</i>	Source separation technologies, opportunities for sustainable wastewater management <i>T. Zinati Shoa, M. Barjenbruch &amp; A. Wrieger-Bechtold</i>	Sensitivity analysis of a probabilistic flood inundation mapping framework for ungauged catchments <i>G. Papaioannou, A. Loukas, L. Vasiliades &amp; G.T. Aronica</i>	Modeling and optimization control of a hybrid water system <i>H. Mu, T. Rauschenbach, D. Karamanzia &amp; N. Cai</i>
10:00-10:15	Site Suitability Analysis of Soil and Water Conservation Structures in Watershed using GIS <i>D.G. Regulwar &amp; R.M. Ambhore</i>	Assessing ecological flow conditions for wetlands fed from ungauged stream reaches <i>A. Gül, K. Ayyıldız, F. Barbaros &amp; T. Baran</i>	A Network Model Simulation Proposal for River Basin Management Plans (RBMPs) in Turkey <i>S. Burak, H. Bilge &amp; D. Dernek</i>	Diagnosis of water pipeline systems by frequency domain analysis <i>M. Ferrante &amp; C. Capponi</i>
10:15-10:30	Imputation of erosivity values under incomplete rainfall data by machine learning methods <i>K. Vantas &amp; E. Sidiropoulos</i>	Evaluation of streamflow habitat relationships, using habitat suitability curves and HEC-RAS <i>C. Papadaki, V. Bellos, M. Stoumboudi, G. Kopsiaftis &amp; E. Dimitriou</i>	Using cross-over analysis to support water user discussion about investments in water sources for irrigation <i>M.J. Nikkels, J.H.A. Guillaume, P. Leith, N.J. Mendham, P.R. van Oel &amp; H. Meinke</i>	Using Bayesian Networks for Risk Assessment of Real Losses in Water Distribution Systems <i>M. Tabesh, N. Rasi Faghihi, A. Roozbahani, R. Heidarzadeh &amp; B. Roghani</i>
10:30-10:45	Impact of restoration measures in a densely urbanised area: The case of Buenos Aires <i>I.M. Arzuaga, G. Navarro &amp; S.V. Viñes</i>	Urban impacts on the water quality in river: model case studies Hron and Drava <i>M. Sokáč, Y. Velísková &amp; M. Jerković</i>	Simulation and Optimization of Hydraulic-Hydrologic complex system (Case Study in Iran) <i>R. Mansouri, H. Torabi Pudeh &amp; A. Karbakhsh</i>	Reliability-based Design of Water Distribution Networks Considering Mechanical Failures <i>S. Sirsant &amp; M. Janga Reddy</i>
10:45-11:00	Snowcover monitoring with MODIS product 10A2 <i>S. Karalis, G. Karakostas &amp; I. Katsios</i>	Simulation of organics and nitrogen removal from wastewater in constructed wetland <i>M. Taheriyoun &amp; M. Rad</i>	Evaluation and Development of Spatial Decision Support System <i>H. Alrayess &amp; A. Ulke</i>	Stochastic Gradient Methods for the Optimization of Water Supply Systems <i>A.A. Gaivoronki, J. Napolitano &amp; G.M. Sechi</i>
11:00-11:15	Presenting the Mathematical Model to	Assessing the Source of Nitrate and	Integrated Water Resources	Spectral analysis and topological and

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
	Determine Retention in the Watersheds <i>S. Shamohammadi &amp; A. Sharifi</i>	Heavy Metals in Groundwater Resources of ABARKOOH Plain, Central Iran <i>M. Meraat, H. Jafari &amp; A. Qishlaqi</i>	Management in Agro-economy using linear programming: the case of Lake Karla Basin, Greece <i>A. Alamanos, S. Xenarios, N. Mylopoulos &amp; P. Stålnacke</i>	energy metrics for water network partitioning of Skiathos island <i>A. Di Nardo, M. Di Natale, C. Giudicianni, C. Laspidou, F. Morlando, G.F. Santonastaso &amp; D. Kofinas</i>
11:15-11:30	Discussion	Discussion	Discussion	Discussion
11:30-12:00	Coffee break			
	Conference I: Session I.5	Conference V: Session V.5	Conference III: Session III.2	Conference VI: Session VI.2
12:00-12:15	Considering data uncertainty in the water and sanitation sector: Application to large number of alternatives and criteria <i>F. Ezbakhe, A. Pérez-Foguet</i>	Case Studies Investigating Hydraulic Parameters in Full-Scale Constructed Wetlands <i>V.G. Ioannidou &amp; J.M. Pearson</i>	A land accounting system for integrated water resources management <i>G.E. Bariamis, E.A. Baltas, V.A. Tsihrintzis &amp; M.A. Mimikou</i>	Waterloss Detection in Streaming Water Flow Timeseries Using Change-Point Anomaly Methods <i>S.E. Christodoulou, E. Kourti &amp; A. Agathokleous</i>
12:15-12:30	Hydrological Modelling of Low Flows for Operational Water Resources Management <i>L. Vasiliades, G. Sarailidis &amp; A. Loukas</i>	Modelling of nickel dynamics in vertical subsurface flow constructed wetlands using a System Thinking Environment <i>C. Defo &amp; K. Ravinder</i>	Prospects for sustainable water resources management within the River Djetinja catchment <i>B.B. Matic &amp; Z. Simic</i>	Towards resilient water networks by using resilience key performance indicators <i>D. Ayala-Cabrera, O. Piller, J. Deuerlein &amp; M. Herrera</i>
12:30-12:45	A Network Model Simulation Proposal for River Basin Management Plans (RBMPs) in Turkey <i>S. Burak, H. Bilge &amp; D. Dernek</i>	Multi-criteria evaluation of wastewater treatment technologies in constructed wetlands <i>B. Srdjevic, Z. Srdjevic &amp; K. Suvocarev</i>	Towards the Optimization of Water Resource Use in the Upper Blue Nile River Basin <i>A-T. Stamou &amp; P. Rutschmann</i>	Data Mining for household water consumption analysis using Self-Organizing Maps <i>A.E. Ioannou, D. Kofinas, A. Spyropoulou &amp; C. Laspidou</i>
12:45-13:00	Assessment of Bedload Transport in Gravel-Bed Rivers with a New Fuzzy Adaptive Regression <i>M. Spiliotis, V. Kitsikoudis &amp; V. Hrissanthou</i>	Identification of pollution sources based on on-line monitoring <i>M. Sokáč &amp; Y. Velísková</i>	Indexing Vulnerability of an Embankment Reach against Breaching: A Remote Sensing and Hydrodynamic Based Study <i>B. Talukdar, A. Baid &amp; R. Das</i>	Simulation of sewer overflow volume in Flanders using a global sensitivity analysis <i>A. Sriwastava, S. Tait, A. Schellart, M. Van Dorpe, S. Kroll &amp; J. Shucksmith</i>
13:00-13:15	Capacity of Channel Impacted by Vegetation: Chotarny channel (Slovakia) - case study <i>Y. Velísková, M. Sokáč, R. Schügerl &amp; R. Dulovičová</i>	Assessment at mid-Black Sea Coast of Turkey for Recovery Valuable Heavy Metals from Sediments <i>A. Şimşek &amp; G. Bakan</i>	Algiers water issue: Key indicators for a diagnosis of water resources carrying capacity <i>M. N.aimi Ait-Aoudia &amp; E. Berezowska-Azzag</i>	Incorporating Uncertainty in the Design of Water Distribution Systems <i>M. Spiliotis &amp; G. Tsakiris</i>
13:15-13:30	Modeling and optimization control of a hybrid water system <i>H. Mu, T. Rauschenbach, D. Karamanzia &amp; N. Cai</i>	Estimation of clogging in HSF pilot-scale CWs using tracer experiments <i>G.D. Gikas, V.A. Papaevangelou, K. Moutsopoulos &amp; V.A. Tsihrintzis</i>	The seismic risk of new and existing dams <i>P.N. Psarropoulos</i>	Pressure Dependent Analysis for Managing Contaminant Propagation in Water Supply Systems <i>M. Zafari, M. Tabesh &amp; S. Nazif</i>
13:30-13:45	Experimental and numerical simulation of the flow over a spillway <i>A. Serafeim, L. Avgeris, V. Hrissanthou &amp; K. Bellos</i>	Earth Observation based monitoring in Natura 2000 sites of Epanomi and Aggelochori lagoons (Greece) for providing ecosystem services needed for their adaptive management <i>A. Zouboulis, A. Tsirika, E. Terzopoulou, G. Skoufas, I-D. Adamakis, S. Kyriakidis, V.</i>	"La Guerra del agua": balancing environmental and socio-economic water demands in the Tagus River headwaters under climatic change <i>A. Lobanova, S. Liersch, D.J. Tabara, H. Koch &amp; F. Hattermann</i>	

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
		<i>Liakopoulos, N. Tziolas &amp; G. Zalidis</i>		
13:45-14:00	Discussion	Discussion	Discussion	Discussion
14:00-15:30	Light lunch			
15:30-16:00	Keynote Speaker: Paul F. Boulos Smart Water Network Modeling for Sustainable and Resilient Infrastructure			
	Special Session: QUICS Project	Conference V: Session V.6	Conference III: Session III.3	Conference VI: Session VI.3
16:00-16:15	'Panta Rhei' and its relationship with uncertainty <i>D. Koutsoyiannis</i>	Characterization of the Quality of Trichonis Lake Waters on the Basis of the Behaviour of Chlorophyll-A <i>P. Vryonis, I.K. Kalavrouziotis &amp; S.P. Varnavas</i>	Water, Energy and Food Nexus: The Q-Nexus Model <i>A. Karnib</i>	Evolution of Water Supply Infrastructures of Thessaloniki city, Hellas, through Centuries <i>S. Yannopoulos, A. Kaiafa-Saropoulou, E. Gala-Georgila &amp; E. Eleftheriadou</i>
16:15-16:30	Integration of rain gauge errors in radar-rain gauge merging techniques <i>F. Cecinati, A. Moreno Ródenas &amp; M.A. Rico-Ramirez</i>	Water quality estimation in Greek lakes from Landsat 8 multispectral satellite data <i>E. Kontopoulou, P. Kolokoussis &amp; K. Karantzalos</i>	Small zoned earthfill dam simplified design with 3D solid modeling techniques <i>D. Myronidis</i>	Water demand management in Europe: Reducing household water consumption in four cities from 1995 to 2015 <i>M. Stavenhagen, C. Tortajada &amp; J. Buurman</i>
16:30-16:45	Surrogate modelling for simplification of a complex urban drainage model <i>Mahmood Mahmoodian</i>	Assessment of the environmentally minimum lake level based on morphological features <i>C. Doulgeris, P. Georgiou, A. Apostolakis, D. Papadimos, D. Zervas, O. Petriki, D. Bobori, D. Papamichail, V. Antonopoulos, C. Farcas &amp; P. Stålnacke</i>	Different Design Techniques in Determining Reservoir Capacity <i>H. Alrayess, U. Zeybekoglu &amp; A. Ulke</i>	Impact of water pricing policy and climate change on future water demand in Volos, Greece <i>N. Mylopoulos, C. Fafoutis, S. Sfyris &amp; A. Alamanos</i>
16:45-17:00	Influence of river routing methods in integrated catchment water quality modelling <i>Antonio Moreno Rodenas</i>	Critical review of adaptation strategies for the restoration of Lake Koronia <i>D. Malamataris, E. Kolokytha, I. Mylopoulos &amp; A. Loukas</i>	Geo-Information analysis of the mini hydropower potential in the Liguria Region <i>A. Palla, I. Gnecco, P. La Barbera, M. Ivaldi &amp; D. Caviglia</i>	Domestic Water Demand Forecasting for Makkah, Saudi Arabia <i>M.F.M. Abushammala &amp; A.K. Bawazir</i>
17:00-17:15	Multivariate autoregressive modelling and conditional simulation of precipitation time series for urban water models <i>Arturo Torres</i>	Evaluating the ecological restoration of a Mediterranean reservoir <i>P. Sidiropoulos, M. Chamoglou &amp; I. Kagalou</i>	Trade-off Between Environmental Flow Policy and Run-of-River Hydropower Generation in Mediterranean Climate <i>A. Kuriqi, A.N. Pinheiro, A. Sordo-Ward &amp; L. Garrote</i>	The role of rainwater harvesting on providing vegetation water requirement in arid and semi-arid regions <i>M.T. Dastorani, B. Kouhzad, A. Sepehr &amp; A. Talebi</i>
17:15-17:30	Effect of varying calibration scenarios on the performance of a hydrodynamic sewer model <i>F. Tscheikner-Gratl, P. Zeisl, C. Kinzel, J. Leimgruber, T. Ertl, W. Rauch &amp; M. Kleidorfer</i>	Adaptive management of Koronia ecosystem based on external-internal dynamics <i>E. Ntonou, C. Mitraki, V.A. Tsihrintzis, T.L. Crisman &amp; G.C. Zalidis</i>	Effects of Crop Pattern Changes on Hydroelectric Power Generation in Gediz River Basin <i>C.P. Çetinkaya &amp; M.C. Günaçtı</i>	Robustness and Vulnerability Assessment of Water Networks by Use of Centrality Metrics <i>A. Agathokleous, C. Christodoulou &amp; S.E. Christodoulou</i>
17:30-17:45	A simplified methodology for flood simulation in urban catchments		GIS Based Analytic Hierarchy Process in Determination of Suitable Site for	The role of domestic rainwater harvesting systems in storm water



	Auditorium A	Auditorium B	Auditorium C	Auditorium D
	<i>V. Bellos, I.M. Kourtis &amp; V.A. Tsihrintzis</i>		Water Storage <i>I. Ahmad &amp; M. Kumar Verma</i>	runoff mitigation <i>I. Gnecco, A. Palla &amp; P. La Barbera</i>
17:45-18:00	Discussion	Discussion	Discussion	Discussion
	Intermission – Free time			
20:30-23:30	<b>Gala Dinner</b> (venue to be announced)			

<i>Poster Presentations</i>	
	<b>Conference V</b>
09:30-13:30	A comparative study of water quality in a highly frequented seacoast in Albania <i>E. Hamzaraj, P. Lazo, A. Paparisto &amp; R. Bami</i>
	Performance of direct contact membrane distillation for simulated dyeing wastewater treatment <i>M. Lou, L. Ding, F. Zhao, F. Li, C. Ma &amp; Q. Tian</i>
	Water isotopic and hydrochemical characteristics in Tajikistan, arid Central Asia <i>Q. Li, J. Wu &amp; H. Zeng</i>
	New, energy saving, cleaning procedures in MBR systems <i>L. Lintzos, K. Chatzikonstantinou, N. Tzamtzis &amp; S. Malamis</i>
	Stable isotopes ( $\delta D$ & $\delta^{18}O$ ) and major ion chemistry of surface waters in Tajikistan, arid Central Asia <i>Q. Li, J. Wu &amp; H. Zeng</i>
	Comparative study of the environmental state of Ohrid and Prespa Lakes, Albania <i>A. Shehu, M. Vasjari, S. Duka, L. Vallja &amp; N. Broli</i>
	Water Quality in Osumi, Devolli and Shkumbini Rivers, using Benthic Invertebrates <i>B. Pepa, A. Paparisto, E. Keçi &amp; E. Halimi</i>
	Assessment of pollution pressure over water bodies in Thessaly region <i>D. Dinouli, P.T. Nastos &amp; A. Papaioannou</i>
	Study of Contamination of the Transboundary River Kura in Georgia <i>E. Bakradze, G. Kuchava &amp; L. Shavliashvili</i>
	Biodiversity indices and nutrient load assessment in Ishmi River, Albania during 2012-2013 <i>E. Keçi, B. Pepa, A. Paparisto &amp; S. Duka</i>
	Land Management, Climate, and Water Quality: Focus on the Western Lake Erie Basin <i>M.W. Gitau, L. Sekaluvu &amp; L. Zhang</i>
	Modeling of simultaneous heat and mass transfer in solar distillers at low temperatures <i>M.S. Maalem, F. Souidj, A. Benzaoui &amp; A. Bouhenna</i>
	Possibility of artificial beach nourishment using crushed limestone aggregate <i>S. Juradin, M. Rajković &amp; M. Vranješ</i>
	The Impact of Drinking Water on the Prevalence of H. Pylori in Humans in Elbasan, Albania <i>S. Mali, L. Vrushi &amp; N. Hila</i>
Groundwater contamination from uninsulated sewage tanks in an eastern Hungarian settlement <i>T. Mester, Gy. Szabó, G. Karancsi &amp; D. Balla</i>	

Poster Presentations

	Conference VI
	Water Efficiency indicators Studies and Energy Applied to Real Water distribution System of South of Minas Gerais – Brazil <i>F.G.B Silva, F.R. Soares, M.R. Andrade &amp; D.O. Sant´Ana</i>
	Green roof as tool of solving Košice city urban heat island <i>Z. Poorova, M. Zelenakova, P. Purcz &amp; Z. Vranayova</i>
	Conference III
14:00-18:00	Trade-off Between Environmental Flow Policy and Run-of-River Hydropower Generation in Mediterranean Climate <i>A. Kuriqi, A.N. Pinheiro, A. Sordo-Ward &amp; L. Garrote</i>
	Water resources management and lack of water in the Zayandehroud river basin, Iran <i>A. Sharifi &amp; R. Mirabbasi</i>
	Effect of land use change on flood extent in the Inflow Stream of Lake Paralimni, Cyprus <i>C. Sophocleous &amp; I. Nalbantis</i>
	Robust prioritization for SEA with the missing data <i>D. Park</i>
	Research on conjunctive use of surface water and groundwater for managed aquifer recharge (MAR) at the River Nestos Delta, Greece <i>L. Avgeris, D. Karasogiannidis, I. Gkiouqkis, F. Pliakas, T. Tzevelekis, K. Bellos &amp; I. Diamantis</i>
	Land accounting perspective on water resources management <i>G.T. Paschos, G.E. Bariamis &amp; E.A. Baltas</i>
	Environmental flow assessment through integrated approaches <i>M. Tegos, I. Nalbantis &amp; A. Tegos</i>
	Sustainable management of water resources to safeguarding drinking water – The Water-Guard Project <i>S. Taskaris, I. Boskidis &amp; P. Symeonidis</i>



## Tentative Detailed Congress Programme

### Friday 7 July 2017

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
09:00-09:30	Keynote Speaker: Patrick Enda O'Connell Towards adaptation of water resource systems to climatic and socio-economic change			
	Conference VII: Session VII.1	Conference V: Session V.7	Workshops	Conference VIII: Session VIII.1
09:30-09:45	Accuracy of daily PM-ETo estimations with ERA-Interim reanalysis products <i>P. Paredes, D.S. Martins, J. Cadima, C. Pires &amp; L.S. Pereira</i>	Linkages between physicochemical status and hydromorphology in Greek lakes under WFD policy <i>E. Mavromati, I. Kagalou, D. Kemitzoglou, A. Apostolakis &amp; V. Tsiaoussi</i>	<b>Workshops</b>	Space-time modelling of aquifer level using novel geostatistical tools <i>E.A. Varouchakis, P. Theodoridou &amp; G.P. Karatzas</i>
09:45-10:00	Temporal variation of reference evapotranspiration and regional drought estimation using SPEI method for semi-arid Konya closed basin in Turkey <i>A.S. Anli</i>	Relationship between water yield and water quality in broadleaf forested watersheds <i>F. Gökbülak, Y. Serengil, İ. Yurtseven, B. Uygur Erdoğan, M. Said Özçelik, S. Özhan &amp; K. Şengönül</i>		Artificial Neural Networks and Particle Swarm Optimization based Model for the Solution of Groundwater Management Problem <i>S. Gaur, A. Dave, A. Gupta, A. Ohri, P.K. S. Dikshit &amp; S.B. Diwedi</i>
10:00-10:15	Calculation of the irrigation water needs spatial and temporal distribution in Greece <i>K.X. Soulis &amp; D.E. Tsesmelis</i>	Water Quality Model of Alibeyköy Watershed and LID Implementation <i>S. Gülbaz &amp; C.M. Kazezyılmaz-Alhan</i>		Vulnerability of groundwater to pollution using three different models in Halabja Saidu Basin, Iraq <i>T.O. Abdullah, S.S. Ali, N.A. Al-Ansari &amp; S. Knutsson</i>
10:15-10:30	Daily transpiration of a single sessile oak measured by the tissue heat balance method <i>M. Said Özçelik</i>	Change of Land Use and Soil Coverage in the Area of Influence of Natural National Park Los Nevados <i>D.A. Patiño Rincón, S.A. Camargo, D. Rey, J.J Vélez &amp; J. Zambrano</i>		Artificial Intelligence and Regression Analysis in Predicting Ground Water Levels in Public Administration <i>G.N. Kouziokas, A. Chatzigeorgiou, K. Perakis</i>
10:30-10:45	Proving the contribution of a seasonal shallow water table to Evapotranspiration <i>G. Bourazanis, I. Argyrokastritis &amp; P. Kerkides</i>	Comparison of two Habitat Modeling Approaches for the determination of the Ecological Flow <i>G. Papadonikolaki, A. Stamou, E. Dimitriou, M-D Bui &amp; P. Rutschmann</i>		Ground Water Risk Management Using Dynamic Bayesian Networks and PROMETHEE method <i>A. Roozbahani, E. Ebrahimi, M. Ebrahim Banihabib</i>
10:45-11:00	Impact of Climate Change on Water Footprint of Wheat, Rice and Potato (Case Study: Iran)	Annual Sediment Yield Prediction by Means of Three Soil Erosion Models at the Basin Scale		Analytical Solutions to Groundwater Flow around Wells using Discharge Potential

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
	<i>M. Montaseri &amp; N.R. Majd</i>	<i>K. Kaffas &amp; V. Hrissanthou</i>		<i>S. Korkmaz</i>
11:00-11:15	Water buyback in agriculture: what can we expect? <i>C.D. Pérez-Blanco &amp; C. Gutiérrez-Martín</i>	Bioavailability of metals in soils irrigated by synthetic wastewater: Metal Speciation <i>S.I. Korfali &amp; H. Karaki</i>		Management of coastal hydrosystems through the application of free & open source software tool – FREEWAT <i>M. Perdikaki, C. Pouliaris I. Borsi, R. Rossetto &amp; A. Kallioras</i>
11:15-11:30	Discussion	Discussion	Discussion	Discussion
11:30-12:00	Coffee break			
	Conference VII: Session VII.2	Special Session: Water Crimes Project	Seminars	Conference VIII: Session VIII.2
12:00-12:15	Sustainability Assessment of agricultural production through Causal Loop Diagrams <i>R. de Vito, I. Portoghese, A. Pagano, R. Giordano, M. Vurro &amp; U. Fratino</i>	Water Crimes Project and Challenges <i>Massimo Migliorini</i>		Modifying SINTACS method to assess groundwater vulnerability and pollution risk to nitrate <i>G. Busico, N. Colombani, E. Cuoco, M. Mastrocicco, M. Sirna &amp; D. Tedesco</i>
12:15-12:30	Estimation of crop water requirements using remote sensing for operational water resources management <i>J. Tzabiras, M. Spiliotopoulos &amp; A. Loukas</i>	Water Crimes Inventory <i>Lorenzo Segato</i>		Application of Head-guided Zonation method to delineate groundwater vulnerability zones in a data-scarce catchment <i>D.K.S.Y. Klaas, M. Alam Imteaz &amp; A. Arulrajah</i>
12:30-12:45	Economic productivity of irrigation water and the closure of a river basin in Southern Spain <i>A. Expósito</i>	Defining Water Crimes alongside European regulation framework <i>Maria Angeles Fuentes Loureiro</i>	<b>Seminars</b>	Impact of Land-use Change on a Multilayer Aquifer in South-Eastern Coast of Caspian Sea <i>I. Karimirad, K. Ebrahimi &amp; S. Araghinejad</i>
12:45-13:00	Parameterization of "canopy resistance" and estimation of hourly latent heat flux over a crop <i>A. Margonis, G. Papaioannou, P. Kerkides &amp; G. Bourazanis</i>	Water Crimes Threat and Risk Assessment <i>Katja Eman &amp; Sasa Kuhar</i>		Hydrochemical and qualitative assessment of natural water spring in southern Italy <i>S. Gaglioti, E. Infusino, T. Caloiero &amp; G. Callegari</i>
13:00-13:15	A methodology to determine the Productivity-Reliability curve as a tool for improving water management in the agricultural sector <i>A. Chavez-Jimenez, A. Granados &amp; L. Garrote</i>	Water Crimes Outlook <i>Nicola Capello</i>		Mechanism of controlling seawater intrusion at coastal aquifers using subsurface barrier <i>R. Shafiee, S. Sadjad Mehdizadeh &amp; A.S. Gooya</i>
13:15-13:30	Water Footprint for cotton irrigation scenarios utilizing CROPWAT and AquaCrop models <i>M. Zoidou, I.D. Tsakmakis, G.D. Gikas &amp; G. Sylaios</i>	Policy Recommendation <i>External EU expert</i>		Long term monitoring of aquifer salinization processes in a physical analog model <i>N. Colombani, B.M. Sole Giambastiani &amp; M. Mastrocicco</i>
13:30-13:45	Mathematical analyses of water management's effects on rice productions: A case study of Mae	Round Table Session: "The future of Water Crimes and the next steps" Chairmen: Massimo Migliorini, Lorenzo		A Three Dimensional Modeling Approach to Groundwater Management in Paharpur Canal

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
	Kuang Udom Thara Dam, Thailand <i>C. Likasiri &amp; E. Duangdai</i>	Segato, Jefferson de Andrade Lessa		Command Area, Dera Ismail Khan, Pakistan <i>A. Khan, A. Qadir, M. Zafar &amp; T. Khan</i>
13:45-14:00	Discussion	<i>Details will be announced</i>	Discussion	Discussion
14:00-15:30	Light lunch			
15:30-16:30	Demonstration presentations			
16:30-18:30	<p>Round Table: Experiences and Prospects in Water Resources Management DIALOGUE BETWEEN EUROPE AND AMERICA Coordinator: George Tsakiris</p> <p>Keynote Speaker: Rodrigo Maia The "WFD" implementation in the European member states</p> <p>Keynote speaker: Steven K. Starrett Navigating Ethical Dilemmas as an Engineer</p> <p>Round table discussion Organised by: Journal "Water Resources Management"</p>			
18:30-20:00	General Assembly of EWRA			

Poster Presentations

Conference VII		
09:30-13:30	Correction and sensitivity analysis of Hargreaves-Samani model in the estimation of the reference evapotranspiration <i>A. Khashei Siuki, F. Sarvari &amp; M. Pourreza Bilondi</i>	
	Pollution control by agroforestry systems: a short review <i>G. Pavlidis &amp; V.A. Tsihrintzis</i>	
	The effect of Yazd wastewater on forage quantity and quality of <i>Atriplex lentiformis</i> <i>A. Akbar Karimian &amp; M. Ebrahimi</i>	
	Spatial interpolation of potential evapotranspiration for precision irrigation purposes <i>N. Malamos, I.L. Tsirogiannis, A. Tegos, A. Efstratiadis &amp; D. Koutsoyiannis</i>	
	Spatial and temporal assessment of potential soil erosion over Greece <i>A.P. Kazamias &amp; M. Sapountzis</i>	
	Conference IX	
	Towards 3D Modelling of Public Law Restrictions in Water Bodies <i>D. Kitsakis &amp; I. Papageorgaki</i>	
	The Non-Conventional Water Resources (NCWR) Programme in North Mediterranean <i>M. Antonakopoulou, K. Toli, V. Constantianos &amp; M. Scoullas</i>	
	Grounded Theory Methodology and Public Participation in Water Management <i>Z. Srdjevic, N. Funamizu, B. Srdjevic &amp; R. Bajčetić</i>	
	A road map for resolving conflicts in Dam's administration: The case of Peiros -Parapeiros dam in Greece <i>M.V. Podimata &amp; P.C. Yannopoulos</i>	
A perspective to wastewater legislation in European Countries and Turkey <i>H.T. Gültaş, A.H. Orta &amp; Y. Ahi</i>		
Conference VIII		
14:00-18:00	Hydrogeological and hydrochemical regime of fissured rocks in Pelion massif (E. Thessaly) <i>E. Dikarou, G. Migiros, G. Stamatias, K. Serelis &amp; A. Solomonidou</i>	
	Updated groundwater vulnerability evaluation at a coastal aquifer system in NE Greece <i>G. Eminoglou, I. Gkiougkis, A. Kallioras, F-K. Pliakas</i>	
	Use of remote sensing and electrical resistivity tomography to determine Tidsi spring recharge and underground drainage <i>H. Mohammed, B. Said, B. Lhoussaine, B. Mohamed &amp; T. Tarik</i>	
	Modifying SINTACS method to assess groundwater vulnerability and pollution risk to nitrate <i>G. Busico, N. Colombani, E. Cuoco, M. Mastrocicco, M. Sirna &amp; D. Tedesco</i>	
	Environmental impacts of urbanization in hydrogeological systems <i>A. Mitropapas, A. Panagopoulos, G. Karatzas &amp; A. Kallioras</i>	
	A two-dimensional analytical model for tide-induced groundwater fluctuation in leaky aquifers <i>M-H. Chuang &amp; H-D. Yeh</i>	
	Pumping Optimization in Coastal Aquifers: Comparison of Sharp Interface and Density Dependent Models <i>G. Kopsiaftis, V. Christelis &amp; A. Mantoglou</i>	



## Tentative Detailed Congress Programme

**Saturday 8 July 2017**

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
09:00-09:30	Keynote Speaker: Vassilios Tsihrintzis Natural Waste Water Treatment Systems			
	Conference VII: Session VII.3	Conference V: Session V.8	Conference IX: Session IX.1	Conference VIII: Session VIII.3
09:30-09:45	Water availability and requirements for precision agriculture in vulnerable agroecosystems <i>N.R. Dalezios, N. Dercas, N.V. Spiropoulos &amp; E. Psomiadis</i>	Finding a Sustainable Balance in the Water Food Nexus – Socio-economic Transformation in an Agricultural Catchment <i>M. Roobavannan, J. Kandasamy, S. Pande, S. Vigneswaran &amp; M. Sivapalan</i>	The first hydraulic culture in Europe: the Bronze Age Motillas of La Mancha (Spain) <i>M. Mejías &amp; L. Benítez de Lugo</i>	Towards Sustainable Management of Groundwater: A Case Study of Semi-Arid Area, Iraqi Kurdistan Region <i>M. Nanekely, F. Al-Faraj &amp; M. Scholz</i>
09:45-10:00	Modelling sustainable smart islands using harmony search: A water-energy nexus initiative in Greece <i>I. Kougias, S. Szabó, A. Nikitas &amp; N. Theodossiou</i>	Assessing the quality of bottled water brands using a new water quality index <i>V. Tsakiris, D. Alexakis &amp; V.A. Tsihrintzis</i>	Sustainable Restoration of the Urmia Lake: History, Threats, Opportunities and Challenges <i>M. Soudi, H. Ahmadi, M. Yasi &amp; S. Ahmad Hamidi</i>	Assessing groundwater use in irrigation districts with multiple resources (MIGRAD) <i>D. Zingaro, I. Portoghese, A. Pagano, R. Giordano &amp; M. Vurro</i>
10:00-10:15	Multi-Objective Optimization for Irrigation Deficit through Cascade Reservoirs <i>M. Usman Rashid, S. Sajjad Haider, M. Latif &amp; N. Amjad Raja</i>	GIS-based spatial decision support system for the optimum siting of offshore windfarms <i>E. Sourianos, K. Kyriakou &amp; G.A. Hatiris</i>	Measuring sustainable delivery of water, sanitation and hygiene services at the household level: does the measure matter? <i>R. Giné-Garriga &amp; A. Pérez-Foguet</i>	Using groundwater flow simulation of the Chania Plain area to propose a proper irrigation plan <i>C. Goumas, Z. Dokou, G.G. Morianou, N.N. Kourgialas &amp; G.P. Karatzas</i>
10:15-10:30	Irrigation with highly saline water: a new innovative water treatment system evaluated for vegetable production in greenhouse <i>A. Gertsis &amp; K. Zoukidis</i>	Development of an updated water quality index based on legislation and experts' opinion <i>F. Iakovidou, E. Trikoilidou, G. Samiotis, A. Stamos, L. Tsikritzis &amp; E. Amanatidou</i>	Determinants of willingness to pay for improved water supply services in rural Kazakhstan <i>K. Tussupova</i>	Sustainable Use of Groundwater for Irrigated Agriculture –A Case Study of Punjab, Pakistan <i>G. Zakir Hassan &amp; F. Raza Hassan</i>
10:30-10:45	Irrigation Water Pricing in the countries of the OECD – Modern trends and Critical Review: The Greek Case <i>I. Giannopoulou, E. Eleftheriadou &amp; S. Yannopoulos</i>	Water Management in Nuclear Power Plant using Advanced Low-Temperature Systems <i>G. Zakrzewska - Koltuniewicz</i>	Water market and its effects on the sustainable management of water resources in Chile <i>N. Kretschmer, R. Oyarzun, P. Alvarez &amp; J. Arumi</i>	Physics-based and data-driven surrogate models for pumping optimization of coastal aquifers <i>V. Christelis &amp; A. Mantoglou</i>
10:45-11:00	Irrigation of Walnut Trees in the Vicinity of Hisareyn-Gölcük/Kocaeli,	Two phase equilibrium study of liquid membrane separation process for the	Prototype Observatory facilitating Integrated Coastal Zone Management	Phreatic/Confined Flows in Polygons: Dupuit-Forchheimer Model Versus

	Auditorium A	Auditorium B	Auditorium C	Auditorium D
	Turkey <i>F. Dökmen, Y. Ahi &amp; D.D. Köksal</i>	removal of As (III) & As (V) from drinking water <i>S. Sarkar &amp; P. Saha</i>	at Municipal level <i>N. Kokkos, V. Kaplakis, V. Pissinaras &amp; G. Sylaios</i>	Potential Solutions <i>A.R. Kacimov, A. Al-Maktoumi &amp; Yu.V. Obnosov</i>
11:00-11:15	Soil water electrical conductivity determination based on the salinity index concept <i>G. Kargas, P. Mouggiou, A. Petsetidi &amp; P. Kerkides</i>	Productivity Analysis Based on Fuzzy Logic on Paddy Area Irrigated by Varied Water Sources <i>B. Aydin &amp; Y. Ahi</i>	The transboundary water issue; conflict or cooperation: Kura-Araks basin case <i>A. Sargsyan &amp; G. Avallone</i>	Comparison of SGD rate between Northern-Southern Coastlines of the Persian Gulf Using RS <i>M. Farzin, A. Nazari Samani, S. Feiznia, G.A. Kazemi &amp; I. Golzar</i>
11:15-11:30	Discussion	Discussion	Discussion	Discussion
11:30-12:00	Coffee break			
	Conference VII: Session VII.4	Distant Papers	Conference IX: Session IX.2	Conference VIII: Session VIII.2
12:00-12:15	Assessing the vulnerability of water for agricultural use to climate change: The case of Cyprus <i>D. Charchousi, M.P. Papadopoulou, K. Spanoudaki, D. Alexakis, C. Giannakopoulos &amp; A. Karali</i>	Comparison of different rainfall-runoff models performance: A case study of Liqvan catchment, Iran	Ecological flows and the Water Framework Directive implementation: an effective coevolution? <i>V. Ramos, N. Formigo &amp; R. Maia</i>	
12:15-12:30	Utilizing Earth Observation systems towards the implementation of Nexus approach for achieving sustainable water management at a river basin scale <i>G. Zalidis</i>	GIS-based AHP Technique for Identification of Groundwater Potential and Recharge Zones	Legislative framework for drinking water (re)sources monitoring in the Adriatic region <i>B. Karleuša &amp; B. Matić</i>	
12:30-12:45	Evaluation of the water footprint and water use efficiency in a high density olive ( <i>Olea europea</i> L.) grove system <i>A. Gertsis, K. Zoukidis &amp; A. Mavridis</i>	Groundwater flow simulation in confined aquifer by meshless element free Galerkin method	Underground Taming of Floods in the Ganges Basin: Technologies, Institutions and Policies <i>V. Ratna Reddy, S. Kumar Rout &amp; P. Pavelic</i>	
12:45-13:00	Regulation and mitigation services of forests as the components of urban resilience <i>B.U. Erdoğan</i>	Advantages of integrating virtual water in food security policy, Urmia plain, Iran	Supplying Rural Kazakhstan by Access to Safe Drinking Water and Sanitation: A Major SDG challenge <i>K. Tussupova &amp; P. Hjorth</i>	
13:00-13:15	Wastewater treatment and reuse for irrigation as alternative resource for water safeguarding in Souss-Massa region, Morocco <i>M. Malki, L. Bouchaou, I. Mansir, H. Benlouali, A. Nghira &amp; R. Choukr-Allah</i>	Relationship between Hazen-William Coefficient and Colebrook-White Friction Factor: Application in Water Network Analysis	Understanding the price elasticity of residential water demand in Spain <i>D. Hoyos &amp; A. Artabe</i>	
13:15-13:30	Bioenergy water footprints, comparing first, second and third generation feedstocks for bioenergy supply in 2040 <i>P.W. Gerbens-Leenes</i>	Wastewater treatment by Solar Air Gap Multi-Stage Membrane distillation	Water demand for economic activities. An application to the Spanish industrial sector <i>P. Gracia-de-Rentería, R. Barberán &amp; J. Mur</i>	



	Auditorium A	Auditorium B	Auditorium C	Auditorium D
13:30-13:45			(metafora apo VI) The determinants of self-supplied water for economic activities in an urban environment <i>P. Gracia-de-Rentería, R. Barberán &amp; J. Mur</i>	
13:45-14:00	Discussion	Discussion	Discussion	Discussion
14:00-15:30	Intermission – Free time			
15:30-23:30	<p style="text-align: center;"><b>Excursion</b></p> <p style="text-align: center;">Expected departure at 15:30</p> <p style="text-align: center;">Excursion to Nafplio (first capital of Greece) Details will be announced</p> <p style="text-align: center;">Expected return to Athens at 24:00</p>			



## Detailed Congress Programme

### Sunday 9 July 2017

Meetings of the European Water Resources Association Working Groups*		
09:00-11:00	<p>Working Group: <b>Water Utilities Working Group</b> Chairman: Bambos Charalambous</p> <p>Venue: National Technical University of Athens – School of Rural and Surveying Engineering, Zografos Campus Meeting Room of the Centre for the Assessment of Natural Hazards and Proactive Planning - Lambadarios building – Ground floor</p>	<p>Working Group: <b>Climate Change Working Group</b> Chairman: George Tsakiris</p> <p>Venue: National Technical University of Athens – School of Rural and Surveying Engineering, Zografos Campus Meeting Room of the Department of Infrastructure Works and Rural Development - Veis building – First floor</p>
11:30-13:00	<p>Working Group: <b>Environmental Processes Working Group</b> Chairman: Vassilios Tsihrintzis</p> <p>Venue: National Technical University of Athens – School of Rural and Surveying Engineering, Zografos Campus Meeting Room of the Centre for the Assessment of Natural Hazards and Proactive Planning - Lambadarios building – Ground floor</p>	<p><b>E.W. Publications meeting</b> Chairman: Harris Vangelis</p> <p>Venue: National Technical University of Athens – School of Rural and Surveying Engineering, Zografos Campus Meeting Room of the Department of Infrastructure Works and Rural Development - Veis building – First floor</p>
* Open only to invited members of the EWRA Working Groups		

### Conferences

- I. Advances in Hydrological Processes
- II. Climate and Water Resources
- III. Water Resources Management
- IV. Droughts and Water Scarcity
- V. Water Quality and Environmental Processes
- VI. Urban Water Networks
- VII. Agricultural Water Management
- VIII. Groundwater Hydrology and Contamination
- IX. Legislation and Policies