

■ HP: Health Protection      ■ RTV: Regulations and Technology Validation  
■ PPA: Public Perception and Acceptance      ■ RfS: Research for Sustainability

SUNDAY 25		
3h	17:00-20:00 h	Early registration at the AGBAR TOWER Icebreaker
MONDAY 26 (Parallel sessions)		
1h	08:00-09:00 h	Registration at the AGBAR TOWER
1:30'	09:00-10:30 h	Opening Ceremony at the AGBAR TOWER
1h	10:30-11:30 h	Transfer to Conference Hall and Coffee break
		ROOM A
10'	11:30-11:40 h	<b>A-1.</b> Microbial Indicators: monitoring and risk assessment Chair: Prof. Shane Snyder
40'	11:40-12:20 h	<b>Disinfection of reclaimed water: quality criteria for effective public health protection</b>  Keynote Speaker Prof. Joan Jofre
20'	12:20-12:40 h	<b>IWA-7119</b> Standard and new faecal indicators and pathogens in sewage treatment plants, microbiological parameters for improving the control of reclaimed water  Jesús Rodríguez et. al.
20'	12:40-13:00 h	<b>IWA-7145</b> Could Somatic Coliphages be used for Quantitative Enteroviral Risk Assessment Associated to Water Reuse?  María Eugenia Rubiano et. al.
20'	13:00-13:20 h	<b>IWA-7220</b> Cryptosporidium oocysts in reclaimed water and further use of the data for QMRA analyses  Míriam Agulló et. al.
20'	13:20-13:40 h	<b>IWA-7187</b> Microbiological characterization of treated urban wastewaters discharged in Ebro River (Spain): Water Reuse possibilities  Jorge Rodríguez et. al.
1h	13:40-14:40 h	Lunch

MONDAY 26 (Parallel sessions)		
	17:00-20:00 h	
1h	08:00-09:00 h	Registration at the AGBAR TOWER
1:30'	09:00-10:30 h	Opening Ceremony at the AGBAR TOWER
1h	10:30-11:30 h	Transfer to Conference Hall and Coffee break
		ROOM C
10'	11:30-11:40 h	<b>C-1.</b> Sustainable strategies and policies  Chair: Dr. Akissa Bahri
40'	11:40-12:20 h	<b>NEWater - Singapore's experience in water reuse</b>  Keynote Speaker Mr. Key Wee Ong
20'	12:20-12:40 h	<b>IWA-7095</b> Delivering an essential and sustainable water plan for Sydney, Australia  Colin Nicholson
20'	12:40-13:00 h	<b>IWA-7118</b> Utilizing scenario analysis to assist in long-range planning and to evaluate water reuse policy alternatives  Carrie McClelland et. al.
20'	13:00-13:20 h	<b>IWA-7197</b> In search of a sustainable future: population, water and wastewater disposal issues prompt South Florida to expand water reuse  Enrique Vadiveloo et. al.
20'	13:20-13:40 h	<b>IWA-7227</b> Future perspective and constraints of wastewater reuse in Kuwait  Abdallah Abusam et. al.
1h	13:40-14:40 h	Lunch

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MONDAY 26 (Parallel sessions)			
ROOM A		ROOM B	
10'	14:40-14:50 h	<b>A-2.</b> Microbial Indicators: disinfection challenges Chair: Mr. Lluís Sala	<b>B-2.</b> Removal efficiency of combined membrane systems Chair: Prof. Rafael Mujeriego
20'	14:50-15:10 h	<b>IWA-7121</b> Choosing the most appropriate technique for wastewater disinfection - parallel investigation of four disinfection systems with different preceding treatment processes  Astrid Bischoff et. al.	<b>IWA-7138</b> Comparative study between MBR and activated sludge reclaimed effluents for wastewater reclamation and reuse  Juan Antonio López et. al.
20'	15:10-15:30 h	<b>IWA-7090</b> Chlor(am)ine disinfection of human pathogenic viruses in recycled waters  Alexandra Ruth Keegan et. al.	<b>IWA-7182</b> Combination of membrane bioreactor (MBR) and activated carbon adsorption for micropollutants removal from municipal wastewater  Fei Yang et. al.
20'	15:30-15:50 h	<b>IWA-7103</b> Assessment of Disinfection Processes for Reuse of Graywater Generated in a Commercial Office Building  Karl Linden	<b>IWA-7297</b> The application of UASB-MBR with partial nitrification-denitrification in wastewater reclamation in warm climate  Fook-Sin Wong et. al.
20'	15:50-16:10 h	<b>IWA-7300</b> Suppressiveness induction of nematodes in corn plants ( <i>Zea mays</i> L.) irrigated with domestic effluent  Kenia Kelly Barros et. al.	<b>IWA-7318</b> Inge UF technology in tertiary waste water treatment: operational experiences and design parameters  Patrick Buchta et. al.
20'	16:10-16:30 h	<b>IWA-7306</b> Removal of helminth eggs from secondary wastewater by sand, anthracite and zeolite filtration  Sidinei A. Gobbi et. al.	<b>IWA-7466</b> Cleaning optimisation of reverse osmosis membranes used for wastewater reclamation  Xavier Bernat et. al.
30'	16:30-17:00 h	Coffee break	
1:30'	16:30-18:00 h	Poster presentation	
45'	18:45-19:30 h	Transfer to the ABGAR MUSEUM (Departure 18:45 Agbar Tower)	
2:30'	20:30-23:00 h	<b>Gala Dinner at the ABGAR MUSEUM</b>	

ROOM C		ROOM D	
	<b>C-2.</b> Water reuse for sustainable development-1 Chair: Prof. Michael Muston		14:40-14:50 h 10'
	<b>IWA-7263</b> Decontamination and disinfection of water by solar photocatalysis for water reclamation and reuse  Sixto Malato et. al.		14:50-15:10 h 20'
	<b>IWA-7142</b> Treated wastewater use in Portugal: challenges and opportunities  Rui Viegas et. al.		15:10-15:30 h 20'
	<b>IWA-7177</b> Water reuse in the Kingdom of Saudi Arabia - status, prospects and research needs  Jörg Drewes et. al.		15:30-15:50 h 20'
	<b>IWA-7242</b> Regional water recycling programs in Western United States: lessons learned  Michael Savage et. al.		15:50-16:10 h 20'
	<b>IWA-7115</b> Application of reclaimed water to different uses in Spain  Jesús Yagüe		16:10-16:30 h 20'
	<<		16:30-17:00 h 30'
	<<		16:30-18:00 h 1:30'
	<<		18:45-19:30 h 45'
	<<		20:30-23:00 h 2:30'

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TUESDAY 27 (Parallel sessions)		
	ROOM A	ROOM B
10'	09:00-9:10 h <b>A-3.</b> Microbial Indicators: disinfection and regrowth Chair: Dr. Ivanildo Hespanhol	<b>B-3.</b> Fouling and pretreatment of RO systems Chair: Prof. Juan Antonio López
20'	IWA-7256 Wastewater disinfection by MBRs: focus on bacterial and viral indicators retention  Elisabet Martí et. al.	IWA-7140 Contribution of different effluent organic matter fractions to membrane fouling in ultra-filtration of treated domestic wastewater  Xing Zheng et. al.
20'	IWA-7143 Reclaimed water reuse in Mediterranean semi-arid areas: the impact of reclaimed water discharges on the load of microbial indicators and pathogens in the Llobregat River  Míriam Agulló et. al.	IWA-7311 Cleaning of membranes fouled by bleaching-washing wastewater  Kenan Guney et. al.
20'	IWA-7310 Removal of organic matter and phosphate using ferrihydrite for reduction of microbial regrowth potential  Yang Yu et. al.	IWA-7769 Impact of low pressure membrane characteristics on RO biofouling development in a MBR-RO system for municipal wastewater reuse  E. Filloux et. al.
20'	IWA-7184 Microbial corrosion influences on stainless steel in reclaimed water  Ping Xu et. al.	IWA-7245 Oxidation of RO feed water to control membrane fouling: a viable process improvement?  Benjamin Stanford et. al.
20'	IWA-7085 Validation of ASP performance for virus and protozoan removals  Alexandra Keegan et. al.	IWA-7175 Effects of photocatalytic pretreatments on reverse osmosis membrane filtration for wastewater reuse  Hak-Soon Park et. al.
40'	10:50-11:30 h Coffee break	

	ROOM C	ROOM D		
	<b>C-3.</b> Water reuse for sustainable development-2 Chair: Prof. Jesús Colprim	<b>D-3.</b> New Water Reuse Initiatives in the U.S. Chair: Mr. Wade Miller, Executive Director American WaterReuse Association	09:00-9:10 h	10'
	IWA-7122 Water reuse and sustainability in the city of Alicante  Ignacio Casals et. al.	The importance of water reuse in the water scarce Western U.S.  Brian Good et. al.	09:10-09:30 h	20'
	IWA-7151 The University of Connecticut's progressive water and energy sustainability program: mining the value of reclaimed water for heat and energy generation  Richard Cisterna et. al.	Talking about water - the importance of using correct terminology  Linda Macpherson et. al.	09:30-09:50 h	20'
	IWA-7269 Analysis of sustainability of an advanced oxidation process for indirect potable water reuse using carbon and energy footprint analysis  Reza Sobhani et. al.	Plans for updating EPA's Water Reuse Guidelines  Don Vandertulip et. al.	09:50-10:10 h	20'
	IWA-7165 Carbon footprint of water reclamation: El Prat de Llobregat WRP, results and comparison with an advanced water reclamation plant Laura Delgado et. al.	Drugs and gender benders in water: what are they doing to you?  Shane Snyder et. al.	10:10-10:30 h	20'
	IWA-7228 Water reuse in Larnaca: a sustainable partner in the fight against water scarcity in Cyprus  Ioanna Ioannidou et. al.	Indirect Potable Reuse Regulations in California  Robert Hultquist et. al.	10:30-10:50 h	20'
	<<		10:50-11:30 h	40'

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		TUESDAY 27 (Parallel sessions)	
		ROOM A	ROOM B
10'	11:30-11:40 h	<b>A-4.</b> Micropollutants: health impacts  Chair: Prof. Joan Jofre	<b>B-4.</b> Efficiency and reliability of advanced systems  Chair: Prof. Elliot Chen
20'	11:40-12:00 h	<b>Micropollutants in reclaimed water: presence, removal, fate and health risks</b>  Keynote Speaker Prof. Shane Snyder	<b>IWA-7291</b> Production of custom-made recycled water for various reuse purposes: lessons learned from one of the world's largest recycling facilities  Valentina Lazarova et. al.
20'	12:00-12:20 h		<b>IWA-7298</b> Formation of NDMA by chloramination of nitrogenous contaminants: potential role of bromide and dissolved oxygen  Julien Le Roux et. al.
20'	12:20-12:40 h	<b>IWA-7166</b> Evaluation of acute toxicity and its association with the physicochemical and microbiological quality of the Rosarito Norte Wastewater Treatment Plant  Alma Elia Leal et. al.	<b>IWA-7258</b> Water reclamation with submerged forward osmosis and seawater  Victor Yangali et. al.
20'	12:40-13:00 h	<b>IWA-7303</b> Effect of wastewater and reclaimed wastewater on human cells  Xianghao Ren et. al.	<b>IWA-7273</b> FO application enabling water and energy recovery from sewage  Kerusha Lutchmiah et. al.
20'	13:00-13:20 h	<b>IWA-7253</b> Increase of embryo toxicity in MWTP secondary effluent caused by ozonation: the role of aldehydes.  Zhiming Yan et. al.	<b>IWA-7091</b> Application of Different AOP as Tertiary Treatment for MWTP Effluents Containing Emerging Contaminants  Lucía Prieto Rodríguez et. al.
1:10'	13:20-14:30 h	Lunch	

		ROOM C	ROOM D		
	11:30-11:40 h	<b>C-4.</b> Cost assessment and risk management  Chair: Mr. Jesús Yagüe	<b>D-4.</b> Agriculture and landscape irrigation  Chair: Prof. Peter Cornel	11:30-11:40 h	10'
	11:40-12:00 h	<b>IWA-7259</b> The reclamation plant in El Prat de Llobregat and the reused water management in the Metropolitan Area of Barcelona, Spain.  Carles Conill et. al.	<b>Advancing water reclamation in developing countries: public policies and safer practices</b>  Keynote Speaker Akissa Bahri	11:40-12:00 h	20'
	12:00-12:20 h	<b>IWA-7239</b> A methodology for economic analysis of water reuse projects? The case of the wastewater treatment plant of El Prat de Llobregat (Barcelona)  Oriana Correia et. al.		12:00-12:20 h	20'
	12:20-12:40 h	<b>IWA-7469</b> Reclaimed water framework concessions as an instrument to efficient water reuse  Anna Arreciado et. al.	<b>IWA-7096</b> Agricultural water reclamation - Modular design of adapted wastewater treatment facilities for Turkey  Timur Esemeh et. al.	12:20-12:40 h	20'
	13:40-13:00 h	<b>IWA-7116</b> Cost benefit analysis for water reuse: importance of economic valuation of environmental benefits.  Francesc Hernández et. al.	<b>IWA-7100</b> A project for the reuse of reclaimed wastewater in the sensitive area of the Po Plain: treatment sequence and cost/benefit analysis  Paola Verlicchi et. al.	13:40-13:00 h	20'
	13:00-13:20 h	<b>IWA-7204</b> Life cycle cost analysis for an indirect potable reuse scheme - from pilot plant to potential full-scale plants  Marie Raffin et. al.	<b>IWA-7111</b> Towards the implementation of planned indirect artificial recharge aquifer in a coastal aquifer: the Maneadero aquifer case  Liliana Reynoso et. al.	13:00-13:20 h	20'
	13:20-14:30 h	<<		13:20-14:30 h	1:10'

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TUESDAY 27 (Parallel sessions)			
ROOM A		ROOM B	
10'	14:30-14:40 h	<b>A-5.</b> Micropollutants: removal efficiency  Chair: Mr. Mike Wehner	<b>B-5.</b> Removal efficiency of advanced oxidation  Chair: Prof. Benito Mariñas
20'	14:40-15:00 h	<b>IWA-7206</b> Removal of contaminants of emerging concern and microorganisms from wastewater by infiltration through the soil and the impact in groundwater quality  Alma Chávez et. al.	<b>Implementing Water Reclamation and Reuse under Evolving Environmental Conditions</b>  Keynote Speaker Mr. Shivaji Deshmukh
20'	15:00-15:20 h	<b>IWA-7160</b> Elimination of priority and emerging pollutants in an MBR/RO system for water reuse in the South of Spain  Carlos Rodríguez et. al.	
20'	15:20-15:40 h	<b>IWA-7101</b> Treatment processes and costs for the removal of emerging contaminants in wastewater reuse systems  Paolo Roccaro et. al.	
20'	15:40-16:00 h	<b>IWA-7317</b> Endotoxin removal from wastewater by soil aquifer treatment for a sustainable water supply  Naoyuki Funamizu et. al.	<b>IWA-7191</b> Application of advanced oxidation for the removal of micropollutants in secondary effluents  Renato Dantas et. al.
20'	16:00-16:20 h	<b>IWA-7152</b> Review of emerging requirements for extreme nutrient reduction in indirect potable reuse projects  Richard Cisterna et. al.	<b>IWA-7240</b> Advanced oxidation (UV/H <sub>2</sub> O <sub>2</sub> ) for indirect potable reuse - micro-pollutants treatment efficacy  Christopher Paul James et. al.
40'	16:20-17:00 h	Coffee break	Annual meeting of the Water Reuse Specialist Group
1:30'	16:20-18:00 h	Poster presentation	

ROOM C		ROOM D	
	<b>C-5.</b> Alternative water sources: case studies  Chair: Prof. Francesc Hernández	<b>D-5.</b> Irrigation and environmental restoration  Chair: Prof. María Helena Marecos	14:30-14:40 h 10'
	<b>IWA-7107</b> Reclaimed water or seawater as water augmentation sources  William Donald Vandertulip et. al.	<b>IWA-7326</b> Non-potable water reuse for landscape irrigation in Berlin, Germany  Regina Gnirss et. al.	14:40-15:00 h 20'
	<b>IWA-7092</b> Fit-for-purpose water reuse schemes for sustainable potable water substitution  Ryujiro Tsuchihashi et. al.	<b>IWA-7219</b> On-site grey water treatment for irrigation reuse at a sports center: a case study  Jordi Gabarró et. al.	15:00-15:20 h 20'
	<b>IWA-7468</b> When a non-potable urban water network is feasible?  Péter Kövessi et. al.	<b>IWA-7275</b> Matching waste stabilisation pond outputs to irrigation needs in a continental climate region  Sonia Heaven et. al.	15:20-15:40 h 20'
	<b>IWA-7576</b> Car wash wastewater treatment and water reuse: a case study  Rafael Zaneti et. al.	<b>IWA-7171</b> Environmental results of several experiences of reclaimed water contribution in coastal Mediterranean streams of Catalonia, NE of the Iberian Peninsula Marc Ordeix et. al.	15:40-16:00 h 20'
	<b>IWA-7108</b> Bi-communal reuse of treated effluent in Cyprus  William Donald Vandertulip et. al.	<b>IWA-7238</b> Segura River: a reclaimed river with reclaimed water  Miguel Ángel Ródenas et. al.	16:00-16:20 h 20'
	<<		16:20-17:00 h 40'
			16:20-18:00 h 1:30'

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## WEDNESDAY 28 (Parallel sessions)

		ROOM A	ROOM B
10'	09:00-9:10 h	<b>A-6.</b> Micropollutants: monitoring and management Chair: Dr. Jiangyong Hu	<b>B-6.</b> Removal efficiency of activated carbon Chair: Dr. Carlos Campos
20'	09:10-09:30 h	<b>IWA-7087</b> Determining key pharmaceuticals in wastewater primarily originating from hospital effluents - a consumption-based approach Kristell Sophie Le Corre et. al.	<b>IWA-7156</b> Removal of micro-pollutants by activated carbon filtration from effluents of 4 Dutch WWTP Wouter van Betuw et. al.
20'	09:30-09:50 h	<b>IWA-7127</b> Use of chemical indicators for assessing wastewater impacts on drinking water supplies and monitoring the efficacy of indirect potable reuse Jörg Drewes et. al.	<b>IWA-7223</b> Determination of assimilable organic carbon (AOC) in water reclamation plants with different configurations in Japan Parinda Thayanukul et. al.
20'	09:50-10:10 h	<b>IWA-7110</b> Designing monitoring programs for chemicals of emerging concern in potable reuse - What to include and what not to include? Jörg Drewes et. al.	<b>IWA-7250</b> Investigating the role of adsorption and biodegradation in the removal of organic micropollutants during biological activated carbon filtration of treated wastewater Maxime Rattier et. al.
20'	10:10-10:30 h	<b>IWA-7181</b> Determination and occurrence of organic micropollutants in reverse osmosis treatment for advanced water reuse Verónica Gómez et. al.	<b>IWA-7169</b> Sorption of polycyclic aromatic hydrocarbons from water by modified peat and its mechanism study Yanbo Zhou
20'	10:30-10:50 h	<b>IWA-7209</b> Disinfection by-products management in high quality recycled water María José Farré et. al.	<b>IWA-7213</b> Achieving indirect potable reuse without reverse osmosis: a case for GAC-based advanced treatment to improve sustainability and reduce cost Larry Schimmoller et. al.
40'	10:50-11:30 h	Coffee break	

		ROOM C	ROOM D		
		<b>C-6.</b> Technical challenges for sustainable operation Chair: Mr. Jordi Molist	<b>D-6.</b> Aquifer treatment, storage and barrier Chair: Prof. Jörg Drewes	09:00-9:10 h	10'
		Indirect potable reuse in Europe: R+D initiatives needed for a safe operation & maintenance Keynote Speaker Ms. Marjoleine Weemaes	<b>IWA-7467</b> Enhancement of soil aquifer treatment to improve the quality of recharge water in the Llobregat aquifer Marta Hernández et. al.	09:10-09:30 h	20'
			<b>IWA-7763</b> Seawater injection barrier recharge with advanced reclaimed water at Llobregat Delta Aquifer (Spain) Felip Ortuño et. al.	09:30-09:50 h	20'
		<b>IWA-7104</b> Milestones on water reuse: main challenges, keys of success and trends of development Valentina Lazarova et. al.	<b>IWA-7221</b> Modeling redox zonation and microbial processes of a column experiment simulating artificial recharge of groundwater with treated sewage effluent Nolwenn Croiset et. al.	09:50-10:10 h	20'
		<b>IWA-7280</b> Precoagulation - microfiltration for wastewater reuse Juliette Hatt et. al.	<b>IWA-7246</b> An interdisciplinary study of a coastal aquifer under the perspective of its overexploitation and recharge with treated wastewater Walter Daessle et. al.	10:10-10:30 h	20'
		<b>IWA-7282</b> Biofiltration for wastewater reclamation and reuse Julien Reungoat et. al.	<b>IWA-7254</b> Management of reclaimed water ASR in a carbonate aquifer for irrigation supplies in the Bolivar, South Australia Karen Barry et. al.	10:30-10:50 h	20'
		<<		10:50-11:30 h	40'

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		WEDNESDAY 28 (Parallel sessions)	
		ROOM A	ROOM B
10'	11:30-11:40 h	<b>A-7. New approaches and key factors</b>  Chair: Dr. Takashi Asano	<b>B-7. Reliability and risk management</b>  Chair: Prof. Naoyuki Funamizu
20'	11:40-12:00 h	Water reuse in the USA: current challenges and new initiatives  Keynote Speaker Mr. Wade Miller	IWA-7432 Water reuse through adaptative design principles  James Horton et. al.
20'	12:00-12:20 h		IWA-7113 Removal of trace organic chemicals at a full-scale advanced water recycling plant in Sydney, Australia  James A McDonald et. al.
20'	12:20-12:40 h	IWA-7279 Direct potable reclamation in Windhoek: a critical review of the design philosophy of New Goreangab drinking water reclamation plant  Piet du Pisani et. al.	IWA-7257 An approach to the analysis of the critical control points of the Costa Brava water reclamation facilities  Joan Sanz et. al.
20'	12:40-13:00 h	IWA-7296 Changing of the water recycling paradigm in Australia  Michael Muston et. al.	IWA-7146 Risk assessment of treated municipal wastewater reuse in Sicily  Feliciano Licciardello et. al.
20'	13:00-13:20 h	IWA-7200 Advancing indirect potable reuse in California  Greg Wetterau et. al.	IWA-7274 El Prat de Llobregat water reclamation plant: reclaimed water quality and reliability  Pedro Aguiló et. al.
1:10'	13:20-14:30 h	Lunch	

		ROOM C	ROOM D		
	11:30-11:40 h	<b>C-7. Industrial water reuse</b>  Chair: Mr. Antoni Ventura	<b>D-7. Innovative methods for water reuse and nutrients recovery</b>  Chair: Dr. Ryujiro Tsuchihashi	11:30-11:40 h	10'
	11:40-12:00 h	IWA-7149 Analysis on water consumption and conservation of petrochemical industry in China  Jun Ya Zhang et. al.	IWA-7229 Optimisation of waste water treatments through combined geomaterials and natural soil filter: modelling tools  Marie Pettenati et. al.	11:40-12:00 h	20'
	12:00-12:20 h	IWA-7284 Electrochemical treatment of reverse osmosis concentrates  Jelena Radjenovic et. al.	IWA-7147 Appropriate technology application of natural circulation system to reuse treated waste water in water scarce region under the influence of global climatic change  Masahiro Murakami	12:00-12:20 h	20'
	12:20-12:40 h	IWA-7768 Water reclamation project for industrial water reuse in Tarragona  Jordi Molist et. al.	IWA-7174 Advanced phosphorus removal with micro-sieves in tertiary treatment: an alternative to membrane filtration?  Ulf Mieke et. al.	12:20-12:40 h	20'
	12:40-13:00 h	IWA-7203 Industrial water reuse: performance of low pressure membranes to treat secondary industrial effluent  Isabelle Baudin et. al.	IWA-7230 GIS as a tool for the use of reclaimed water in rural areas  Francisco Pedrero et. al.	12:40-13:00 h	20'
	13:00-13:20 h	IWA-7320 Treatment of a selected refinery wastewater compound - benzene by chitin and chitosan  Maryam Mohamed et. al.	IWA-7333 Sustainable nutrient recycle and water reuse through algae biofuel  Frank Rogalla	13:00-13:20 h	20'
	13:20-14:30 h	<<		13:20-14:30 h	1:10'

WEDNESDAY 28 (Parallel sessions)			
		ROOM A	ROOM B
10'	14:30-14:40 h	<b>A-8. Public Perception</b>  Chair: Mr. Wade Miller	<b>B-8. Polishing during soil aquifer treatment</b>  Chair: Dr. Blanca Jiménez
20'	14:40-15:00 h	<b>IWA-7337</b> A roadmap for the future development of potable water reuse  William R Everest	<b>IWA-7465</b> Degradation of emerging contaminants in reclaimed water through soil aquifer treatment (SAT)  Marta Hernandez et. al.
20'	15:00-15:20 h	<b>IWA-7153</b> Improving public acceptance of reclaimed water use by communicating risk in ways easily understood by the public  Mark Jay Millan et. al.	<b>IWA-7281</b> Toxicity evaluation of a groundwater recharge project using bioassays  Xue Zhang et. al.
20'	15:20-15:40 h	<b>IWA-7294</b> Community attitudes towards managed aquifer recharge and stormwater use in Adelaide, Australia  Kim Suzanne Alexander	<b>IWA-7283</b> Removal of organic micropollutants in SAT and hybrid SAT systems  Saroj Kumar Sharma et. al.
20'	15:40-16:00 h	<b>IWA-7290</b> The role of socio-economic factors towards the success of water reuse in isolated islands and tourist areas  Valentina Lazarova et. al.	<b>IWA-7099</b> Risk Assessment of the Unplanned Reuse of an Aquifer Recharged with Wastewater as a Source of Drinking Water  Inés Navarro et. al.
20'	16:00-16:20 h	<b>IWA-7207</b> Public perception on greywater reuse in a draught-prone region  Leopoldo G. Mendoza-Espinosa	
40'	16:20-17:00 h	Coffee Break	
1:30'	17:00-18:30 h	Closing Ceremony at the AGBAR TOWER	

	ROOM C	ROOM D		
	<b>C-8. On-site and greenhouse reuse</b>  Chair: Prof. Maria João Rosa	<b>D-8. Water recycling in EUREAU countries - benefits in different regulatory and climatic settings</b> Chairs: Mr. Bruno Tisserand, Chair of EUREAU Commission 2 and Dr. Valentina Lazarova	14:30-14:40 h	10'
	<b>IWA-7102</b> In-building rainwater and greywater reuse systems: feasibility and guideline  Paolo Roccaro et. al.	<b>Status of Water Reuse and Regulation in EU (REAU) countries</b>  R. Hochstrat et. al.	14:40-15:00 h	20'
	<b>IWA-7336</b> Experiences of on-site greywater reclamation and reuse in hotels of Canary Islands  Luisa Vera et. al.	<b>Irrigating wisely: Urban and Agriculture Reuse cases of Thessaloniki &amp; Cyprus</b>  A. Soupilas et. al.	15:00-15:20 h	20'
	<b>IWA-7316</b> Producing greenhouse water and fresh surface water from WWTP effluent  Sigrid Scherrenberg et. al.	<b>Hole-in-one? Implementing water recycling at Saint Maxime Golf course in South France</b>  B. Tisserand et. al.	15:20-15:40 h	20'
	<b>IWA-7137</b> Chances of hydroponics water reuse in advanced greenhouses  María M. Micó et. al.	<b>Sustainable water supply to the paper industry - The case of Madrid Holmen Paper Mill</b>  A. Martínez Herrero	15:40-16:00 h	20'
		<b>Round table discussion: Promoting water reuse in water management planning - needs for Europe</b>  All speakers	16:00-16:20 h	20'
	<<		16:20-17:00 h	40'
	<<		17:00-18:30 h	1:30'

THURSDAY 29	
ALL DAY	Technical visits

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## POSTER PRESENTATION

**IWA-7086**  
**Degradation of emerging Contaminants (ECs) and disinfection of waste water treatment plant effluents with modified photo-fenton**  
 Nikolaus Klamerth et. al.

**IWA-7089**  
**Other parasitic and pathogenic organisms of interest in the frame of wastewater reuse**  
 Isabel Martín et. al.

**IWA-7093**  
**Clean Technologies for Tanneries Unhairing Waste Waters : Neutralization by CO<sub>2</sub> , Free Amino Acids Characterization and recovery , and Water Recycling**  
 Kamel-Eddine Bouhidel et. al.

**IWA-7097**  
**Characterization and fate of dissolved organic matter (DOM) in secondary effluents treated by UV/H<sub>2</sub>O<sub>2</sub> oxidation**  
 Carmen Sans et. al.

**IWA-7106**  
**Pilot scale UF and RO studies on wastewater reuse applications for industrial park**  
 Hang-Sik Shin et. al.

**IWA-7112**  
**Mediation: an intervention alternative for public acceptance of reclaimed water**  
 Leopoldo Mendoza Espinosa et. al.

**IWA-7114**  
**A Novel Index system for Assessing the safety of Reclaimed Water Reused in Agricultural Irrigation**  
 Dongbin Wei et. al.

**IWA-7117**  
**Reuse of Treated Sewage Effluent for Cooling Water by Biological Aerated Filter Process**  
 Ying-Xue Sun et. al.

**IWA-7120**  
**Refinery treatments for wastewater reuse in textile industries**  
 Cecilia Caretti et. al.

**IWA-7126**  
**Water reuse projects - an economic perspectives**  
 David Alves et. al.

**IWA-7129**  
**Use of treated wastewater: Economical and Technical profits for the end user**  
 Annie Tazi-Pain et. al.

**IWA-7130**  
**Control of bio fouling in MBR coupled RO systems**  
 Hector Monclus et. al.

**IWA-7132**  
**Roof runoff quality in consideration of polycyclic aromatic hydrocarbons**  
 Adrien Horvath et. al.

## POSTER PRESENTATION

**IWA-7135**  
**Increasing awareness of the ecotoxicological risk of Treated Waste Water reuse in Latin America schools**  
 Rosario Pastor et. al.

**IWA-7148**  
**Using mixing ratios to quantify chemical reactions**  
 Anna Jurado et. al.

**IWA-7157**  
**Study on Corrosion Influence of Cycle Cooling System Using Reclaimed Water as Make-up in Thermal Power Plant**  
 Wang Changzheng et. al.

**IWA-7158**  
**Irrigation of energy crop (Arundo donax L.) with wastewater treated by a constructed wetland system**  
 Mirco Milani et. al.

**IWA-7161**  
**First Results from a Moving Bed Membrane Bioreactor (MBMBR)**  
 Teresa de la Torre et. al.

**IWA-7162**  
**Control of green algal growth potential of reclaimed water with aerobic biofilm process and sand filtration**  
 Natsuki Hisaoka et. al.

**IWA-7167**  
**The effect of the retention time in the characteristic length of Daphnia magna and its role as a filter for waste water bio-treatment**  
 Teresa Serra et. al.

**IWA-7168**  
**Evaluation of Daphnia magna as a waste water biological filtration method**  
 Teresa Serra et. al.

**IWA-7170**  
**Characterization of THMs Precursors by 3DEEM in the Wastewater Treatment and Recycling Process**  
 Xuejin Zhou et. al.

**IWA-7173**  
**Pulp & Paper industry Water Reuse by Ceramic membranes: Cost and ROI analysis**  
 Antonio Sempere et. al.

**IWA-7176**  
**Evaluation of the Antifouling Properties of Commercial Reverse Osmosis Fouling Resistant Elements**  
 Ricardo Sandin et. al.

**IWA-7178**  
**Adsorption of zinc ions from aqueous solution by Soy and Sesame oil sesame waste**  
 Abdolhossein Parizanganeh et. al.

**IWA-7185**  
**Molecular characterization of biofilms developing in drip irrigation systems operating with regenerated wastewater in Gran Canaria (Spain)**  
 Laura Garrido et. al.

## POSTER PRESENTATION

- IWA-7186**  
Analysis of the microbial community in biofilms and water from drip irrigation systems operating with different treated wastewaters (Almería, Spain)  
Laura Garrido et. al.
- IWA-7190**  
Research on Key Technique of Efficient Dissolved Air Flotation Equipment  
Ping Xu et. al.
- IWA-7194**  
Reutilization of wastewater regenerated with solar photo-Fenton process as irrigation water in a squash crop  
María del Mar Gómez Ramos et. al.
- IWA-7196**  
Removal of Rhodamine 6G from aqueous solutions using biosorbent *Azolla filiculoides*  
Mohammad Reza Yaffian et. al.
- IWA-7198**  
Psychosocial analysis of public acceptance towards water reuse: Case study of rainwater harvesting and greywater recycling  
Gaelle Bulteau et. al.
- IWA-7199**  
Recommended regulations for water reuse: Which water quality criteria for which use?  
Gaelle Bulteau et. al.
- IWA-7201**  
Utilization of Anaerobically Treated Swine Wastewater for Duckweed Production  
Jay Cheng et. al.
- IWA-7202**  
Characterization of Water Treatment Membranes - A Status Quo and Future Development  
Kuo Lun Tung et. al.
- IWA-7205**  
The environmental cost of the Greenhouse emissions: release generated by the treatment and discharges of municipal wastewater in Mexico  
Luis Seguí Amórtégui et. al.
- IWA-7208**  
Analyzing organic foulants of membranes from water reclamation, using large volume organic preparation followed by pyrolysis and mass spectrometry tools  
Jaeweon Cho et. al.
- IWA-7211**  
Effect of chlorine on biofilms development in a model reclaimed water distribution system  
Chun Hu et. al.
- IWA-7216**  
Municipal Wastewater after Anaerobic Treatment and Membrane Filtration: Possibilities for Irrigation and Fertilization  
Marius Mohr et. al.
- IWA-7222**  
Reutilisation System of the Regenerated Water in Castellon WWTP  
Javier García et. al.

## POSTER PRESENTATION

- IWA-7224**  
The Application of Nanofiltration in a Novel Recharge System for Groundwater Supplement  
Linlin Wu et. al.
- IWA-7225**  
Effect of Water-back-flushing in Advanced Water Treatment by Hybrid Process of Tubular Ceramic Ultrafiltration and Titanium Dioxide Photocatalyst Beads  
Jin Yong Park et. al.
- IWA-7234**  
Reclaimed water quality in the distribution networks of Lloret de Mar and Tossa de Mar (Costa Brava, Girona, Spain)  
Amanda Con et. al.
- IWA-7235**  
Oxidative degradation of antibiotics ampicillin and penicillin G type from water using the photo-Fenton procedure modified by in situ Fe<sup>2+</sup> catalyst generation  
Cristina Orbeci et. al.
- IWA-7236**  
Treatment and Reuse of Tunnel Construction Wastewater by Coagulation-Flocculation  
J.C. Liu et. al.
- IWA-7237**  
Investigating optimum usage of effluent in power plants; Case study: Rajaei Combined-cycle power plant, Qazvin, Iran  
Mohammadhadi Hajian et. al.
- IWA-7243**  
Controlling dissolved oxygen concentration as a tool for economical efficiency improvement in a solar photo-Fenton treatment plant  
José Antonio Sánchez Pérez et. al.
- IWA-7244**  
Effects of photo-Fenton operational variables on wastewater disinfection  
Jose Antonio Sánchez Pérez et. al.
- IWA-7247**  
Comparison of use of Desinfix and UV for disinfection in Molina de Segura WWTP  
Jordi Batlle et. al.
- IWA-7248**  
Treatment and Reuse of an effluent from a truck washing using rotating biological contactor (RBC) and hollow fiber ultrafiltration system  
Eduardo Subtil et. al.
- IWA-7249**  
Application of coagulation-flocculation treatments in the reclamation of treated wastewaters  
María Morales et. al.
- IWA-7251**  
Microbiological risks of recycling urban stormwater via aquifers  
Declan Page et. al.
- IWA-7252**  
Application of Advanced Oxidation Processes based on H<sub>2</sub>O<sub>2</sub> for reusing MWTPs effluents. Study of the removal of hazardous substances  
Judith Sarasa et. al.

## POSTER PRESENTATION

<p><b>IWA-7255</b>  <b>Natural photolysis and photocatalytic degradation of cytostatic drugs in aquatic environments</b>                      Angela Yu-Chen Lin et. al.</p>
<p><b>IWA-7260</b>  <b>Water reuse regulatory approaches: Italy and Spain.</b>                      Daniele Monga et. al.</p>
<p><b>IWA-7264</b>  <b>Online measurement of redox potential for the real-time control of disinfection efficiency in water reclamation facilities</b>                      Jordi Muñoz et. al.</p>
<p><b>IWA-7270</b>  <b>Potential of Energy Crops Growing under Application of Municipal Wastewater Effluent</b>                      Vasileios Aimilios Tzanakakis et. al.</p>
<p><b>IWA-7276</b>  <b>Study on Enhanced Ozonation of Simulated Dye stuff Wastewater by Microporous Flat Membrane Aerated</b>                      Yang Yang et. al.</p>
<p><b>IWA-7277</b>  <b>Removal of Estrogenic Endocrine Disruptors in Membrane Bioreactors and Conventional Wastewater Treatment Processes</b>                      Jiangyong Hu et. al.</p>
<p><b>IWA-7278</b>  <b>Bathroom greywater: abiotic factors effect on the survival growth of pathogens microorganisms and sand filtration for reuse</b>                      Yves Andres et. al.</p>
<p><b>IWA-7286</b>  <b>UV Disinfection for Treatment of Stormwater</b>                      Jennifer Muller et. al.</p>
<p><b>IWA-7287</b>  <b>Sustainable Ultraviolet Disinfection Solutions for Large-Scale Municipal Applications</b>                      Jennifer Muller et. al.</p>
<p><b>IWA-7302</b>  <b>Treatment performance for stormwater harvesting and reuse</b>                      Saravanamuthu Vigneswaran et. al.</p>
<p><b>IWA-7309</b>  <b>Clarification of Concentrates from an Ultrafiltration Membrane System</b>                      Ivanildo Hespanhol et. al.</p>
<p><b>IWA-7312</b>  <b>Investigating Water Reuse Potential of Mixed Textile Wastewater</b>                      Kenan Guney et. al.</p>
<p><b>IWA-7315</b>  <b>Dissolved oxygen, COD, nitrogen and phosphorus profiles in a continuous sand filter used for effluent polishing at a WWTP</b>                      Hongbin Xu et. al.</p>
<p><b>IWA-7319</b>  <b>Heavy metals biosorption in reclamation of urban effluent</b>                      Diana Brandao et. al.</p>

## POSTER PRESENTATION

<p><b>IWA-7321</b>  <b>Water Reuse for Cooling Towers: Maintaining Efficiency without Chemicals</b>                      Philip Vella et. al.</p>
<p><b>IWA-7322</b>  <b>Sustainable Cooling Water Treatment Using Controlled Hydrodynamic Cavitation</b>                      Philip Vella et. al.</p>
<p><b>IWA-7323</b>  <b>Industrial Water Reuse: Pre-treatment of Reverse Osmosis Water Using Controlled Hydrodynamic Cavitation</b>                      Philip Vella et. al.</p>
<p><b>IWA-7324</b>  <b>Inhibition of Nitrate Reduction by electrolyte adsorption on NZVI surface during Reverse Osmosis Concentrate treatment for Industrial Water Reuse</b>                      Hang-Sik Shin et. al.</p>
<p><b>IWA-7335</b>  <b>Regulation improvements for promoting decentralised wastewater reuse in case of natural wastewater reclamation systems</b>                      Luisa Vera et. al.</p>
<p><b>IWA-7470</b>  <b>Membrane bioreactor as alternative treatment for water reclamation in Spain: comparative report of design and operation data</b>                      Raquel Iglesias et. al.</p>
<p><b>IWA-7000</b>  <b>Water exchange between agriculture and cities</b>                      Ingo Heinz et. al.</p>