

S2SMALL 2017

Day	Monday 2017-10-23		
Room	Auditorium 450	Mezzanine	
09:00 - 09:10	Welcome Ceremony		
09:10 - 09:20			
09:20 - 09:30	INV 904 Integrated waste management approach at Devanahalli, India SINHA Susmita <i>Bremen Overseas Research and Development Association, Germany</i>		
09:30 - 09:40			
09:40 - 09:50			
09:50 - 10:00			
10:00 - 10:10	INV 905 Resource Recovery and Reuse of wastes: An opportunity for African countries COFIE Olufunke <i>International Water Management Institute, Ghana</i>		
10:10 - 10:20			
10:20 - 10:30			Coffee-break
10:30 - 10:40			
10:40 - 10:50	Poster Session (very short presentation of each poster)		
10:50 - 11:00			
11:00 - 11:10			
11:10 - 11:20			
11:20 - 11:30			
11:30 - 11:40			
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12:00 - 12:10			
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12:40 - 12:50			
12:50 - 13:00	Lunch		
13:00 - 13:10			
13:10 - 13:20			
13:20 - 13:30			
13:30 - 13:40			
13:40 - 13:50			
13:50 - 14:00			
14:00 - 14:10	Opening Ceremony Mme Diane D'ARRAS , <i>Présidente, International Water Association</i> M. Denis Guilbert , <i>Directeur, Direction du Cycle de l'Eau, Direction Générale Environnement et Services Urbains, Ville de Nantes et Nantes Métropole</i> Représentant de la Région Pays de la Loire Mme Anne Beauval , <i>Directrice déléguée IMT Atlantique</i> M. Pascal Jaouen , <i>directeur Laboratoire GEPEA</i> M. Kuruvilla Mathew , <i>Chair, Groupe Spécialistes IWA "Small Water and Wastewater Treatment Systems"</i> M. Guenter Langergraber , <i>Chair Groupe Spécialistes IWA "Resource Oriented Sanitation"</i> M. Florent CHAZARENC , <i>Conference Chair</i>		
14:10 - 14:20			
14:20 - 14:30			
14:30 - 14:40			
14:40 - 14:50			
14:50 - 15:00			
15:00 - 15:10			
15:10 - 15:20			
15:20 - 15:30	Coffee-break	Coffee-break	
15:30 - 15:40			
15:40 - 15:50	INV 900 Membrane for energy and water recovery SECO Aurora <i>University of Valencia, Chemical Engineering Department, Spain</i>		
15:50 - 16:00			
16:00 - 16:10			
16:10 - 16:20	INV 901 Groundwater arsenic/fluoride contamination : low-cost remediation strategies BHATTACHARYA Prosun <i>KTH Royal Institute of Technology, Stockholm, Sweden</i>		
16:20 - 16:30			
16:30 - 16:40			
16:40 - 16:50	Specialist Group Meeting MATHEW Kuruvilla <i>Murdoch University</i> LANGERGRABER Guenter <i>BOKU University</i>		Poster Session (+ coffee)
16:50 - 17:00			
17:00 - 17:10			
17:10 - 17:20			
17:20 - 17:30			
17:30 - 17:40			
17:40 - 17:50			
17:50 - 18:00			
18:00 - 18:10			
18:10 - 18:20			
18:20 - 18:30			

S2SMALL 2017		
Day	Tuesday 2017-10-24	
Room	PR 1 - Salle 200	PR 2 - Salle G
08:00 - 08:10		
08:10 - 08:20	475 A study on the effects of different organic load (BOD5) on treatment performance of four selected small wastewater treatment plants ALSAADI Shamsa - Helmholtz Centre for Environmental Research GmbH - UFZ	440 Electrocoagulation of domestic sand office-building greywater FRIEDLER Eran Faculty of Civ. & Env. Eng., Technion - Israel Inst. of Technology
08:20 - 08:30		448 Impact of suspended solids and organic matter on chlorine disinfection efficiency of greywater FRIEDLER Eran Faculty of Civ. & Env. Eng., Technion - Israel Inst. of Technology
08:30 - 08:40	428 Biological tubular reactor, new technology for small wastewater treatment plants GARCIA-GONZALEZ Sergio Adrián Facultad de Química, Universidad Nacional Autónoma de México	449 Long term micropollutant removal in a Vertical Ecosystem for decentralised greywater reuse in a Euro-Mediterranean resort KISSER Johannes - Alchemia-Nova
08:40 - 08:50		434 The alternative use of Pseudomonas aeruginosa as an indicator on the disinfection of greywater PAULO Paula Federal University of Mato Grosso do Sul - UFMS
08:50 - 09:00	294 Impacts of operational conditions on oxygen transfer rate, mixing characteristics and residence time distribution in a pilot scale HRAP PHAM Le Anh - iCube laboratory	483 Willow evapotranspiration systems to mitigate surface water pollution from domestic wastewater in rural areas with low permeability soils GILL Laurence - Trinity College Dublin
09:00 - 09:10	508 Effects of an increase in salinity on PAOs in EBPR-SBBR reactors in coastal small populations. ARAGON-CRUZ Carlos Centro de las Nuevas Tecnologías del Agua	259 Effects of nitrogen and organic shock loadings on a soil filter treating matured landfill leachate GUAN Yidong Nanjing University of Information Science and Technology
09:10 - 09:20		497 Greenhouse gas emissions from soil treatment units of on-site domestic wastewater treatment systems in Ireland SOMLAI-HAASE Cella - Trinity College Dublin
09:20 - 09:30	476 Cleaning up landfill leachate in rural China with low-energy gas flotation and oxidation KINDLER Jean Louis OriginClear	483 Willow evapotranspiration systems to mitigate surface water pollution from domestic wastewater in rural areas with low permeability soils GILL Laurence - Trinity College Dublin
09:30 - 09:40		259 Effects of nitrogen and organic shock loadings on a soil filter treating matured landfill leachate GUAN Yidong Nanjing University of Information Science and Technology
09:40 - 09:50	Coffee-break	Coffee-break
09:50 - 10:00	461 Ten years of German experience in using ecotechnologies for onsite treatment of industrial pollution AUBRON Thomas Helmholtz Environmental Research Centre - UFZ	497 Greenhouse gas emissions from soil treatment units of on-site domestic wastewater treatment systems in Ireland SOMLAI-HAASE Cella - Trinity College Dublin
10:00 - 10:10	476 Cleaning up landfill leachate in rural China with low-energy gas flotation and oxidation KINDLER Jean Louis OriginClear	259 Effects of nitrogen and organic shock loadings on a soil filter treating matured landfill leachate GUAN Yidong Nanjing University of Information Science and Technology
10:10 - 10:20		483 Willow evapotranspiration systems to mitigate surface water pollution from domestic wastewater in rural areas with low permeability soils GILL Laurence - Trinity College Dublin
10:20 - 10:30	651 Environmental behavior of MSWI fly ash in leachate from solid waste landfill SUN Xiaolei Nanjing University of Science and Technology	259 Effects of nitrogen and organic shock loadings on a soil filter treating matured landfill leachate GUAN Yidong Nanjing University of Information Science and Technology
10:30 - 10:40	477 Performance of a vertical flow soil filter treating industrial wastewater under cold climatic conditions and avoiding filter clogging problems RAHMAN Khaja Zillur - Helmholtz Environmental Research Centre - UFZ	524 Combination of constructed wetlands and photocatalysis processes for the elimination of persistent organic pollutants from municipal wastewater GONZALO Gael - University of A Coruña
10:40 - 10:50		566 Constructed wetlands planted with willow for domestic wastewater treatment under cold climate GRESENSHKOVA Zhanna IMT Atlantique
10:50 - 11:00	477 Performance of a vertical flow soil filter treating industrial wastewater under cold climatic conditions and avoiding filter clogging problems RAHMAN Khaja Zillur - Helmholtz Environmental Research Centre - UFZ	274 Efficiency of a short rotation willow coppice for the treatment of municipal wastewater under a North American humid continental climate LACHAPPELLE T. Xavier - Polytechnique Montréal
11:00 - 11:10	512 Phosphorus recovery from pretreated sewage sludge and phosphorus saturated filter materials BARCA Cristian Laboratory M2P2 Aix-Marseille University	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
11:10 - 11:20		524 Combination of constructed wetlands and photocatalysis processes for the elimination of persistent organic pollutants from municipal wastewater GONZALO Gael - University of A Coruña
11:20 - 11:30	Health Break	Health Break
11:30 - 11:40	527 Treatment performances and operating experiences of the first full-scale Discfilter facility featuring enhanced P removal from pure-MBBR effluent GIZEM Mutlu - Veolia Water Technologies AB, Sweden	274 Efficiency of a short rotation willow coppice for the treatment of municipal wastewater under a North American humid continental climate LACHAPPELLE T. Xavier - Polytechnique Montréal
11:40 - 11:50	512 Phosphorus recovery from pretreated sewage sludge and phosphorus saturated filter materials BARCA Cristian Laboratory M2P2 Aix-Marseille University	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
11:50 - 12:00		566 Constructed wetlands planted with willow for domestic wastewater treatment under cold climate GRESENSHKOVA Zhanna IMT Atlantique
12:00 - 12:10	319 Long-term investigation of phosphorus removal by iron electrolysis in actual small-scale wastewater treatment plants MISHIMA Iori - Center for Environmental Science in Suitama	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
12:10 - 12:20	652 Phosphate removal from aqueous solution using ZVI/sand bed reactor: Behavior and mechanism SLEIMAN Nathalie Université de Limoges	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
12:20 - 12:30		566 Constructed wetlands planted with willow for domestic wastewater treatment under cold climate GRESENSHKOVA Zhanna IMT Atlantique
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12:40 - 12:50		566 Constructed wetlands planted with willow for domestic wastewater treatment under cold climate GRESENSHKOVA Zhanna IMT Atlantique
12:50 - 13:00	516 Two- vs. single-stage anaerobic wastewater treatment: Evaluation of effluent quality and energy production potential MOTA Vera Talina - University of São Paulo	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
13:00 - 13:10		566 Constructed wetlands planted with willow for domestic wastewater treatment under cold climate GRESENSHKOVA Zhanna IMT Atlantique
13:10 - 13:20	301 Evaluation of spatial alkalinities distribution in an up-flow fixed bed anaerobic digestion reactor HAMSIS Maha Laboratory of Hydraulic Modelling and Environment, Tunisia	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
13:20 - 13:30		566 Constructed wetlands planted with willow for domestic wastewater treatment under cold climate GRESENSHKOVA Zhanna IMT Atlantique
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13:40 - 13:50	516 Two- vs. single-stage anaerobic wastewater treatment: Evaluation of effluent quality and energy production potential MOTA Vera Talina - University of São Paulo	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
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14:00 - 14:10	516 Two- vs. single-stage anaerobic wastewater treatment: Evaluation of effluent quality and energy production potential MOTA Vera Talina - University of São Paulo	514 Domestic wastewater treatment by a two stage vertical subsurface flow constructed wetland: removal efficiency SEGURA Iñeth - Mexican Institute of Water Technology
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14:20 - 14:30	301 Evaluation of spatial alkalinities distribution in an up-flow fixed bed anaerobic digestion reactor HAMSIS Maha Laboratory of Hydraulic Modelling and Environment, Tunisia	296 The new draft German constructed wetland guideline for treatment of domestic and municipal wastewater RUSTIGE Heribert - AKUT Umweltschutz Ingenieure Burkard and Partner
14:30 - 14:40	552 Post-treatment of UASB effluent by phototrophic reactors for sulphide and organic matter removal BRESSANI Thiago - Federal University of Minas Gerais, Department of Sanitary and Environmental Engineering (UFMG/DESA)	496 On-site wastewater treatment in France: statistical analysis of the outlet effluent quality of 240 facilities OLIVIER Laurie Iristea
14:40 - 14:50		439 Green Bio-sorption Reactor: Making wastewater treatment plant an attractive scenario ZHAO Yaqian Xi'an University of Technology
14:50 - 15:00	466 Acclimation of mesophilic granular sludge for the anaerobic digestion of agroindustrial effluents under thermophilic conditions CARRILLO-REYES Julian - University of Mexico	690 Nkoloulou landfill leachate treatment performances in VF CWs planted with Echinocloa Pyramidalis during dry season FENDOUNG Guy - IMT Atlantique
15:00 - 15:10	466 Acclimation of mesophilic granular sludge for the anaerobic digestion of agroindustrial effluents under thermophilic conditions CARRILLO-REYES Julian - University of Mexico	689 Design parameters influence on pollution removal performance of full-scale constructed-wetlands treatments plants for domestic wastewater. RODRIGUEZ VASQUEZ Sebastian - IMT Atlantique
15:10 - 15:20		641 Electroactive Biofilm-based Constructed Wetland (EABB-CW): Testing of an innovative setup for wastewater treatment ARIAS Carlos - Aarhus University
15:20 - 15:30	451 Anaerobic municipal wastewater treatment in centralized and decentralized treatment systems: biological methane potential and microbial community at 20 and 35°C GAO Mengjiao - University of Alberta	498 Nutrients removals in vertical flow constructed wetlands combined or not with biological and/or chemical treatment processes KIM Boram - INSA Lyon, DEEP laboratory
15:30 - 15:40		689 Design parameters influence on pollution removal performance of full-scale constructed-wetlands treatments plants for domestic wastewater. RODRIGUEZ VASQUEZ Sebastian - IMT Atlantique
15:40 - 15:50	451 Anaerobic municipal wastewater treatment in centralized and decentralized treatment systems: biological methane potential and microbial community at 20 and 35°C GAO Mengjiao - University of Alberta	641 Electroactive Biofilm-based Constructed Wetland (EABB-CW): Testing of an innovative setup for wastewater treatment ARIAS Carlos - Aarhus University
15:50 - 16:00	470 Hybrid Anaerobic Upflow Sludge Blanket Baffled Reactor for Source-separated Blackwater Treatment MOGES Melese Eshetu PhD Candidate	641 Electroactive Biofilm-based Constructed Wetland (EABB-CW): Testing of an innovative setup for wastewater treatment ARIAS Carlos - Aarhus University
16:00 - 16:10	510 Anaerobic digestion of sieved, statically and mechanically thickened blackwater at different organic loading rates MORANDI Carlo G. - Kaiserslautern University of Technology	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
16:10 - 16:20		689 Design parameters influence on pollution removal performance of full-scale constructed-wetlands treatments plants for domestic wastewater. RODRIGUEZ VASQUEZ Sebastian - IMT Atlantique
16:20 - 16:30	510 Anaerobic digestion of sieved, statically and mechanically thickened blackwater at different organic loading rates MORANDI Carlo G. - Kaiserslautern University of Technology	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
16:30 - 16:40	604 Carbon footprint assessment and management of sludge and gaseous emissions in decentralized anaerobic-based sewage treatment plants BRESSANI Thiago - Federal University of Minas Gerais	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
16:40 - 16:50		688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
16:50 - 17:00	604 Carbon footprint assessment and management of sludge and gaseous emissions in decentralized anaerobic-based sewage treatment plants BRESSANI Thiago - Federal University of Minas Gerais	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
17:00 - 17:10	467 Coupling wastewater treatment based on microalgae-bacteria with the continuous methane recovery: effect of digester temperature CARRILLO-REYES Julian - University of Mexico	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
17:10 - 17:20		688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
17:20 - 17:30	467 Coupling wastewater treatment based on microalgae-bacteria with the continuous methane recovery: effect of digester temperature CARRILLO-REYES Julian - University of Mexico	443 The key factors of building a microbial fuel cell in a pilot-scale constructed treatment wetland TANG Cheng Chong'un University
17:30 - 17:40	488 Sequential "electrochemical-peroxidation – electro-Fenton" process for the treatment of anaerobic sludge from a poultry farm OLIVIER Lefebvre - National University of Singapore	631 Peat as substrate for small-scale constructed wetlands polishing secondary effluents CHAMPAGNE Pascale Queen's University, Department of Civil Engineering
17:40 - 17:50		631 Peat as substrate for small-scale constructed wetlands polishing secondary effluents CHAMPAGNE Pascale Queen's University, Department of Civil Engineering
17:50 - 18:00	488 Sequential "electrochemical-peroxidation – electro-Fenton" process for the treatment of anaerobic sludge from a poultry farm OLIVIER Lefebvre - National University of Singapore	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
18:00 - 18:10	490 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
18:10 - 18:20	490 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
18:20 - 18:30	490 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
18:30 - 18:40		688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
18:40 - 18:50	490 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research	688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
18:50 - 19:00		688 Identifying optimal conditions for the start-up of an AnMBR treating concentrated domestic wastewater. FERRIARI Federico Catalan Institute for Water Research
18:50 - 19:00	Gala dinner in Nantes downtown at 20:00	

S2SMALL 2017		
Day	Tuesday 2017-10-24	
Room	PR 3 - Salle H	PR 4 - Salle I
08:00 - 08:10		
08:10 - 08:20	436 Small wastewater treatment plants in Austria – Technologies, management and training of operators LANGERGRABER Guenter <i>BOKU University</i>	313 UV LEDs for small systems: a revolution in robust and effective disinfection? HULL Natalie <i>University of Colorado Boulder</i>
08:20 - 08:30	721 High rate algal ponds come of age in rural South Australia FALLOWFIELD Howard <i>Flinders University</i>	458 Moringa oleifera functional sand: a practical, reusable water treatment option WILLIAMS Frances <i>The University of Adelaide</i>
08:30 - 08:40		
08:40 - 08:50		
08:50 - 09:00	532 New standards for non-sewered on-site sanitation systems UDERT Kai M. <i>Eowag</i>	393 An evaluation of small drinking water systems in a region of Brazil BENETTI Antonio <i>Federal University of Rio Grande do Sul, Hydraulics Research Institute</i>
09:00 - 09:10		
09:10 - 09:20	640 Ten years of Vertical Flow Constructed Wetlands: the experience after the Danish EPA guidelines ARIAS Carlos <i>Aarhus University</i>	456 The Defluoridation Mechanism of Hydroxyapatite/Attapulgite Composite Beads FENG LI - School of Chemical Engineering and Technology, China University of Mining & Technology
09:20 - 09:30		
09:30 - 09:40	Coffee-break	Coffee-break
09:40 - 09:50		
09:50 - 10:00	480 Towards Safe Water and Sanitation in Rural Localities - Applying Water Safety Planning methodology in Manastur, Romania VASILESCU Mihaela Nicoleta - Ecological University of Bucharest	542 Development of a Solar Heating System for Improving Performance of On-site Sanitation Systems POLPRASERT Chongrak <i>Thammasat University</i>
10:00 - 10:10		
10:10 - 10:20	620 Implementation of small wastewater systems in existing centralized water infrastructures - low population density case study CAMPUSANO GARCIA Claudia - University of Kaiserslautern, Institute of Urban Wastewater Management	311 Isolation of butyric acid-degrading bacterium from pit latrine faecal sludge NIALAM'MANO John <i>University of Pretoria</i>
10:20 - 10:30		
10:30 - 10:40	639 Wastewater treatment for small communities in tropical conditions: performances technologies comparison in real conditions. LOMBARD-LATUNE Rémi - Irtstea	659 Empowered septic tank as decentralized treatment system for a single household and for a community TALEKAR Guruprasad <i>Birla Institute of Technology and Science - Pilani K K Birla Goa campus</i>
10:40 - 10:50		
10:50 - 11:00	256 Characterization of the composition of dissolved organic matter during aerobic and anaerobic digestion of excess activated sludge Li Fusheng - Gifu University	
11:00 - 11:10		
11:10 - 11:20	Health Break	Health Break
11:20 - 11:30		
11:30 - 11:40	529 Planning for achieving resource recovery from small sewage treatment plants: a case study in two watersheds in Minas Gerais, Brazil MOTA Cesar - UFMG/DESA	314 Stoichiometric life-cycle assessment for smart sewage treatment ALVARADO ROMAN Valeria Isabel <i>THE HONG KONG POLYTECHNIC UNIVERSITY</i>
11:40 - 11:50		
11:50 - 12:00	505 Innovation at scale: the scaling-up process of small-scale sanitation in India KLINGER Marius <i>Swiss Federal Institute of Aquatic Science and Technology</i>	511 Influence of pre-treatment on the attenuation performance of soil receiving on-site effluent KINAPPE Jan <i>Trinity College Dublin</i>
12:00 - 12:10		
12:10 - 12:20	704 A multi-criteria approach to compare on-site sanitation systems VIDAL Brenda <i>Luleå University of Technology, Urban Water Engineering group</i>	642 Real-time-monitoring of water quality parameters for identification of the origin and the pathways of impacts in small and middle scale rivers MEYER Angelika - Saarland University - Institute for Inorganic and Analytical Chemistry
12:20 - 12:30		
12:30 - 12:40	270 Energy savings at the small-scale wastewater treatment plants HOLBA Marek <i>ASIO Ltd.</i>	517 Chemical fingerprinting of on-site wastewater effluent contamination of small rivers and wells in Ireland GILL Laurence - Trinity College Dublin
12:40 - 12:50		
12:50 - 13:00		
13:00 - 13:10		
13:10 - 13:20		
13:20 - 13:30	Lunch	Lunch
13:30 - 13:40		
13:40 - 13:50		
13:50 - 14:00		
14:00 - 14:10	433 Phosphorus removal in small catchments – A case study from Austria LANGERGRABER Guenter <i>BOKU University</i>	Aquavalens special sessions: "Developments in the microbial monitoring of small water supplies": A series of linked talks from 7 Researchers in this EU FP7 funded research
14:10 - 14:20		
14:20 - 14:30	538 Phosphorus removal from secondary effluent using chemically modified zeolite MALAMIS Simos <i>National Technical University of Athens</i>	
14:30 - 14:40	309 Alumina-based adsorbent for Phosphorus removal and recovery on small wastewater treatment plants CORNET François <i>SAS MIRANEO</i>	Protecting the health of Europeans by improving methods for the detection of pathogens in drinking water and water used in food preparation. How to better assess risk and control safety in water supplies. Robert Pitchers <i>WRc plc</i>
14:40 - 14:50		
14:50 - 15:00		
15:00 - 15:10	474 Tertiary nitrification and phosphorus removal from domestic wastewater with constructed wetlands DOTRO Gabriela <i>Cranfield University</i>	Small water systems across Europe: overview and technical approach Ricardo Santos <i>Instituto Superior Tecnico</i>
15:10 - 15:20		
15:20 - 15:30	Health Break	
15:30 - 15:40		
15:40 - 15:50		Integrated Stand-alone Treatment Stations: a solutions for microbiological problems in Small Water Systems Ana Pereira <i>Enkrott, S.A.</i>
15:50 - 16:00		
16:00 - 16:10	European-Indian workshop Network on Decentralized Grey Water Treatment & Recycling	Microbiological quality of small water supplies across Europe: can we trust the traditional indicators? Silvia Monteiro <i>Instituto Superior Tecnico</i>
16:10 - 16:20		
16:20 - 16:30	Chairs: Haysall N Chanakya (Indian Institute of Science) and Michel Torrijos (INRA)	
16:30 - 16:40		
16:40 - 16:50		Do AQUAVALENS analytical methods meet the expectations of both the users of the technologies and water consumers? Talk based on large water and small water users Alma López-Avilés <i>University of Surrey</i>
16:50 - 17:00		
17:00 - 17:10	Coffee-break	
17:10 - 17:20		Epidemiological studies of health risks associated with small drinking water supplies Paul Hunter <i>University of East Anglia</i>
17:20 - 17:30		
17:30 - 17:40		Water safety plans in small water supplies. Using a WSP to safeguard water in rural communities of less than 5,000 inhabitants Maria Gunnarsdottir <i>University of Iceland</i>
17:40 - 17:50	European-Chinese Workshop Nature based solutions for sponge cities	
17:50 - 18:00		
18:00 - 18:10	Chair: Yaqian Zhao (University College Dublin)	
18:10 - 18:20		
18:20 - 18:30		
18:30 - 18:40		
18:40 - 18:50		
18:50 - 19:00		

S2SMALL 2017		
Day	Wednesday 2017-10-25	
Room	PR 1 - Salle 200	PR 2 - Salle G
08:00 - 08:10	INV 903	
08:10 - 08:20	Small wastewater treatment plant in France: what have constructed wetlands changed? MOLLE Pascal <i>Irstea, France</i>	
08:20 - 08:30		
08:30 - 08:40	INV 902	
08:40 - 08:50	How resource recovery and energy efficient technologies should be deployed in the cities? Small or big? SPERANDIO Mathieu <i>Toulouse University, France</i>	
08:50 - 09:00		
09:00 - 09:10	INV 906	
09:10 - 09:20	Decentralized Systems Engineering Course Delivery in U.S. Higher Education - Past, Present and Future SIEGRIST Robert <i>Colorado School of Mines, USA</i>	
09:20 - 09:30		
09:30 - 09:40	Coffee-break	Coffee-break
09:40 - 09:50		
09:50 - 10:00	300 The use of different types of zeolite and scoria as filtration and treatment media in small wastewater treatment systems	493 Small is beautiful, small is efficient: The future of waste stabilisation ponds in Australia GHADOUANI Anas <i>The University of Western Australia</i>
10:00 - 10:10	KELE Ben - Central Queensland University and Arris Pty Ltd	
10:10 - 10:20	501 Performance of a continuous-flow single stage deammonification system with mesh separated compartments	482 Application of high-resolution bathymetry mapping for sludge management in waste stabilisation ponds COGGINS Liah <i>The University of Western Australia</i>
10:20 - 10:30	WEISSENBACHER Norbert - University of Natural Resources and Life Sciences, Vienna	
10:30 - 10:40	278 Intelligent control for ammonia compliance in small works receiving variable loads, a case study BLANCO Ivan <i>Severn Trent Water</i>	629 Factors affecting the removal of bacterial indicator organisms in wastewater stabilization ponds operated in a temperate climate LIU Lei - Queen's University, Department of Civil Engineering
10:40 - 10:50		
10:50 - 11:00	707 Optimal Selective pressures to achieve partial nitrification in continuously fed activated sludge reactors EUSEBI Anna Laura <i>Università Politecnica delle Marche</i>	632 Modeling and validation of stratification and hydrodynamics in a wastewater stabilization pond using Delft3D CHAMPAGNE Pascale - Queen's University, Department of Civil Engineering
11:00 - 11:10		
11:10 - 11:20	Health Break	Health Break
11:20 - 11:30		
11:30 - 11:40	308 Denitrifying Downflow Hanging Sponge (DDHS) reactors reduce total nitrogen and antibiotic resistance genes for decentralized wastewater treatment applications BUNCE Joshua - MR JT BUNCE	491 Correcting nutrient imbalance in hand washing water to permit recycling with a biologically activated membrane bioreactor (BAMBI) ZIEMBA Christopher - Eawag
11:40 - 11:50		
11:50 - 12:00	474 Combined Ion Exchange and Biological Nitrogen Removal in a Novel Two-stage Biofiltration system RODRIGUEZ-GONZALEZ Laura <i>University of South Florida</i>	574 Economic and environmental analysis of the new resource toilet with forward osmosis technology SHI Yi-lei <i>Tsinghua University</i>
12:00 - 12:10		
12:10 - 12:20	298 Two-Step Denitrification with Elemental Sulfur: Kinetic Tests and Dynamic Mathematical Modeling KOSTRYSIA Anastasia <i>University of Cassino and Southern Lazio</i>	611 Innovative and easy-handling membrane-based water treatment system for decentralized applications ORDONEZ ANDRADE Jose Abdon - University of Kassel, Department of Sanitary & Environmental Engineering
12:20 - 12:30		
12:30 - 12:40	465 Nitrogen removal in single chambered batch fed microbial electrolysis cell (MEC) operated with combined landfill leachate and dairy wastewater YOGALAKSHMI K N - Central University of Punjab	312 Optimizing the design and operation of a novel process: The Membrane aerated biofilm reactor integrated with activated sludge-(MABR-IFAS) PEREZ CALLEJA Patricia - University of Cantabria
12:40 - 12:50		
12:50 - 13:00		
13:00 - 13:10		
13:10 - 13:20		
13:20 - 13:30	Lunch	Lunch
13:30 - 13:40		
13:40 - 13:50		
13:50 - 14:00		
14:00 - 14:10	506 How important is acclimation for the start-up of an anammox reactor at low temperature and nitrogen concentration? PEDROUSO Alba - Universidade de Santiago de Compostela	437 Drugs abatement in surface water using photocatalytic coated glass surfaces BIANCHI Claudia <i>University of Milan</i>
14:10 - 14:20		
14:20 - 14:30	460 Nutrients recovery from the effluent of a decentralized anaerobic membrane bioreactor treating fresh domestic wastewater by cultivation of the microalgae <i>Acutodesmus obliquus</i> FOIX-CABLE Mathilde - Technical University of Berlin	265 Biochar efficiently removes recalcitrant pharmaceuticals from wastewater DALAHMEH Sahar <i>Swedish University of Agricultural Sciences</i>
14:30 - 14:40		
14:40 - 14:50	619 Potential of using synthesized Nano-zeolite for Nitrogen and Phosphorus removal GAO Fei - Department of Civil, Structural and Environmental Engineering, Trinity College Dublin	446 Removal of micropollutants and nutrients in filter beds for on-site sewage treatment - column and field experiments ZHANG Wen - KTH Royal Institute of Technology
14:50 - 15:00		
15:00 - 15:10	Health Break	Health Break
15:10 - 15:20		
15:20 - 15:30	782 Phosphorus removal using steel slag in reactive filters: 6 years monitoring at large scale PAING Joëlle <i>OPURE</i>	718 Integrated piggery wastewater and microalgal biomass production – a pilot plant case study CHENG Ngai Ning <i>Flinders University</i>
15:30 - 15:40		
15:40 - 15:50	478 Modelling of reactions in a fixed bed reactor for phosphate recovery by scallop shell particles ITO Ryssel <i>Hokkaido University</i>	322 Alternative On-Site Wastewater Treatment Technologies to Reduce Biochemical Oxygen Demand, Total Suspended Solids, Oil and Grease, and Total Nitrogen from High Strength Commercial Wastewater HAASE Peter - Fall Creek Engineering
15:50 - 16:00		
16:00 - 16:10	658 Use of reactive material for P removal in small treatment plants, potential of industrial by-products in India MUTNURI Srikanth - Birla Institute of Technology and Science - Pilani K K Birla Goa campus	295 Recently emerging eco-friendly systems for wastewater purification: A review ZHAO Yaxian <i>University College Dublin</i>
16:10 - 16:20		
16:20 - 16:30	Coffee-break	Coffee-break
16:30 - 16:40		
16:40 - 16:50		
16:50 - 17:00		
17:00 - 17:10		
17:10 - 17:20		
17:20 - 17:30	Closing Ceremony	
17:30 - 17:40		
17:40 - 17:50		
17:50 - 18:00		

S2SMALL 2017		
Day	Wednesday 2017-10-25	
Room	PR 3 - Salle H	PR 4 - Salle I
08:00 - 08:10		
08:10 - 08:20		
08:20 - 08:30		
08:30 - 08:40		
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09:20 - 09:30		
09:30 - 09:40		
09:40 - 09:50		
09:50 - 10:00	302 High time to normalize 'alternative' sanitation models in engineering curricula OBERG Gunilla <i>IRES, UBC, Vancouver, Canada</i>	European-African Workshop Improvement and development of innovative technologies for landfill leachate and septage sludge treatment for water re-use in Africa Chairs: Olufunke Cofie (IWMU) and Günter Langergraber (BOKU University)
10:00 - 10:10	288 Economic feasibility assessment of integrated sanitation systems for Uganda Christian University AGUNYO Miria Frances <i>Europa University Flensburg</i>	
10:10 - 10:20	481 Impacts of urban typologies on efficiency of source-separation systems with decentralized treatment BESSON Mathilde <i>LISBP-INSA</i>	
10:20 - 10:30	479 Water Hub @ NEST: Practical Implications of Source Separation ETTER Bastian <i>Eowag</i>	
10:30 - 10:40		
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11:00 - 11:10		
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11:20 - 11:30		
11:30 - 11:40	297 Vermifiltration toilets as an on-site household sanitation option TEMPLETON Michael <i>Imperial College London</i>	260 Retention of the endocrine disruptors ethinylestradiol, bisphenol A and levonorgestrel by subsurface constructed wetlands CAMPOS Julyenne Meneghetti - University of Campinas
11:40 - 11:50	637 Sustainable sanitation management tool to decision making in isolated areas in Brazil PAULO Paula <i>Dom Bosco Catholic University</i>	281 Physico-Chemical Analysis and Implications of Partially Treated Wastewater from Textile Industries in Nigeria. DAN'AZUMI Salisu - Bayero University Kano
11:50 - 12:00	487 Optimizing chlorination and electrolysis dosages for hand washing water recycling post-treatment LARIVE Odile <i>Eowag</i>	711 Phenol biodegradation by bacterial cultures encapsulated in 3D microfiltration-membrane capsules for industrial wastewater treatment KURZBAUM Eyal - Shamir Research Institute, University of Haifa, Israel
12:00 - 12:10	503 Evaluation of the hygienization at composting toilets in remote areas WEISSENBACHER Norbert <i>University of Natural Resources and Life Sciences, Vienna</i>	485 Removal of phenolic compounds from wastewater by <i>Phragmites australis</i> -bacteria association WIRASNITA Riry <i>University of Yamanashi</i>
12:10 - 12:20		
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14:00 - 14:10	285 Local Sustainability! - Insights from On-site Wastewater reuse plants around the globe LAHAV Yotam <i>Aqwise</i>	Workshop AqvaValens Introduction of AqvaValens
14:10 - 14:20	502 Sanitation and Water Reuse for urban gardening in informal settlements. Lessons learnt from a systemic approach in Namibia. SINN Jochen - Technische Universität Darmstadt	Status of water safety plans and risk assessment in small water supplies in Europe Arnt Dierner <i>WHO Regional Office for Europe</i>
14:20 - 14:30	655 Wastewater Reuse for Irrigation – unconventional or un-welcome resource? Local perceptions on barriers and drivers for reuse in Egypt, Morocco and Tunisia KER RALUT Philippe - Wageningen Environmental Research	Water safety plans with improved techniques to detect pathogens Maria J. Gumarsdóttir <i>University of Iceland</i>
14:30 - 14:40		
14:40 - 14:50		
14:50 - 15:00		
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15:20 - 15:30	462 Treated Domestic Greywater Reuse and Associated Health Risks - Integrated with Green Wall Structure for Hydroponic Lettuce Production EREGNO Fasil Ejiyu - PhD Candidate	Carbon Footprint and economic implications of new technologies in detecting waterborne pathogens Carmen Maria Torres Costa and Maria Figueras <i>Universitat Rovira i Virgili</i>
15:30 - 15:40	473 A preliminary survey on public attitude for the reuse of grey water as an alternative source of water in Turkey EFE Hilal - Istanbul Technical University	Discussion
15:40 - 15:50		
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S2SMALL 2017

Day	Thursday 2017-10-26
Room	Outside visits
08:00 - 08:10	Technical and touristic visits
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08:20 - 08:30	
08:30 - 08:40	
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12:00 - 12:10	Lunch-picnic
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13:00 - 13:10	Technical and touristic visits
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