

## 2<sup>nd</sup> IWA Specialized International Conference - Ecotechnologies for Wastewater Treatment - ecoSTP2014 PROGRAM

Monday, 23 <sup>rd</sup> June 2014.	
13:00 - 15:30	<b>Young Water Professional ice-breaking workshop</b> (Dpt of Biotechnology, University of Verona, Strada Le Grazie 15)
16:00 – 21:00	<b>ecoSTP2014 Opening Session</b> (Palazzo della Gran Guardia, Piazza Bra)
16:00 - 17:00	<b>Registration at Palazzo della Gran Guardia</b>
17:00 - 18:30	<b>Conference Welcome Session: <i>WATER SCIENCE MEETS WATER POLICY AND WATER PRACTICE</i></b> <b>Water Thematic Opening by Local Authorities and Stakeholders and by Water2020 Chair - Juan Lema (Spain)</b> <i>Chairs: Francesco Fatone and Roberto Canziani</i>
18:30 - 19:15	<b>Plenary session: Water-Energy-Carbon Nexus in Water Reclamation, Reuse, and Wastewater Treatment - Daniel Nolasco (Argentina) &amp; Diego Rosso (USA)</b> <i>Chairs: Francesco Fatone and Roberto Canziani</i>
19:30 - 21:00	<b>Welcome aperitif at the</b> Palazzo della Gran Guardia (Piazza Bra)

**Tuesday, 24<sup>th</sup> June 2014**

08:00 - 08:45	<b>Registration at Polo Zanutto - University of Verona</b>		
08:45 - 09:30	<b>Plenary session: Carbon recovery from wastewater through bioconversion into biodegradable polymers - Mauro Majone (Italy) (Aula T2 – Polo Zanutto) Chair: Maria Reis</b>		
<b>1<sup>st</sup> Morning Session</b>	<b>Efficient Technologies - Sludge management (Aula T1 Polo Zanutto) Chairs: Francisco Lafuente; Marina Arnaldos Orts</b>	<b>Resource Recovery Technologies (Aula T2 Polo Zanutto) Chairs: Maria Reis; David Weissbrodt</b>	<b>Efficient Technologies - Non-conventional and emerging contaminants (Aula T3 Polo Zanutto) Chairs: Sara Rodriguez; Aleksandra Jelic</b>
09:30 – 10:00	<b>Keynote 1</b> - The Influence Of Iron And Feed Patterns Of The Influent For Sludge Reduction In The Cannibal™ Process (Passkorn Khanthongthip)	<b>Keynote 3</b> - Full-scale Phosphorous Recovery As Struvite From Digested Sludge: A Return On Experience (Adrien Marchi)	<b>Keynote 5</b> -Removal Of Diclofenac From WWTP With Plants: Options And Enzymatic Background For Phytoremediation (Peter Schröder)
10:00 - 10:20	<b>Platform 1</b> - Anaerobic-Aerobic Digestion: Analysis Of Process Performance For Secondary And Mixed Sludge (Maria Concetta Tomei)	<b>Platform 12</b> - Potential For Biopolymers Recovery From Mixed Cultures Coming From Different Wastewater Treatments (Eugenia Suárez- Ojeda)	<b>Platform 23</b> - Heterotrophic Vs. Autotrophic Bacteria In The Biotransformation And Mineralization Of Pharmaceutical (Fernandez-Fontaina)
10:20 - 10:40	<b>Platform 2</b> - Sewage Sludge And Fruit Wastes Anaerobic Co-digestion: Evaluation Of The Process (Joan Dosta)	<b>Platform 13</b> - A Novel PHA Production And Nitritation Process For Treating Anaerobic Supernatants (Nicola Frison)	<b>Platform 24</b> - Removal Of Micropollutants In A Nitritation/anammox Process (Teresa Alvarino)
10:40 - 10:50	<b>Platform 3</b> - Different Strategies To Enhance Sludge Stabilization: pre-treatment, Temperature Increase Or Dual-stage? (Camilla Braguglia)	<b>Short presentation 11</b> - PHA Production From VFAs In Microbial Mixed Culture: Bacterial Population Characterization (Andrea Fra-Vázquez)	<b>Platform 25</b> - Removal Of Micropollutants From Secondary Effluents Through Biological Filtration/adsorption Systems (Lidia Paredes, Marta Carballa)
10:50 - 11:00		<b>Short presentation 12</b> - Waste To Resource: Crude Glycerol As Substrate For TAGs Production By Enrichment Cultures (AnuskaMosquera Corral,Helena Garate)	
11:00 - 11:30	<b>Coffee break and Poster session</b>		

2 <sup>nd</sup> Morning Session	Efficient Technologies - Sludge management (Aula T1 Polo Zanotto) <i>Chairs: Gerasimos Lyberatos; Sergio Ponsa</i>	Resource Recovery Technologies (Aula T2 Polo Zanotto) <i>Chairs: Adrian Oehmen; Evina Katsou</i>	Efficient Technologies - Non-conventional and emerging contaminants (Aula T3 Polo Zanotto) <i>Chairs: Marta Carballa; Giusy Lofrano</i>
11:30 – 11:50	<b>Platform 4</b> - Turn It Up! High-load Contact Stabilization (HiCS) For Maximizing Sludge Production From Sewage (Francis Meerburg)	<b>Platform 14</b> - Conversion Of Carbon Dioxide From WWTP Into Valuable Products Through Microbial Electrosynthesis (Pau Batlle-Vilanova)	<b>Platform 26</b> - Occurrence And Removal Of Pharmaceuticals In Pressure Sewers (Oriol Gutierrez, Aleksandra Jelic)
11:50 - 12:10	<b>Platform 5</b> - Rotation Generator Of Hydrodynamic Cavitation For Waste-Activated Sludge Pretreatment (Martin Petkovsek)	<b>Platform 15</b> - Integration Of Algal Production In WWTP Sludge Line (Valeria Mezzanotte)	<b>Platform 27</b> - Metoprolol And Its Metabolites: Biological Transformation In Activated Sludge Experiments And Detection In Full Scale WWTPs (Gianluigi Buttiglieri, Sara Rodriguez-Mozaz)
12:10 - 12:20	<b>Platform 6</b> - Energy Balance And Life Cycle Assessment As A Decision Making Tool For Assessing Sludge Management (Kristy Pena Munoz)	<b>Platform 16</b> - WWTP Primary Sludge Pre-concentration With Membrane And Biosorption To Increase Biogas Production (Alexandre Galí )	<b>Short presentation 21</b> - Removal Of Emerging Pollutants Through UV Irradiation: The Role Of Wastewater Characteristics (Constantinos Noutsopoulos)
12:20 - 12:30			<b>Short presentation 22</b> - Optimization Of Photocatalytic Degradation Of Chloramphenicol By Chemical And Biological Analysis (Giusy Lofrano)
12:30 - 12:40	<b>Short presentation 1</b> - Biogas Production from Anaerobic Digestion of DAF Sludge from Meat Industry (Maazuza Othman)	<b>Short presentation 13</b> - Comparison Of Different Reactor Configurations For Struvite Crystallization By Using A Low Cost Magnesium Product (Juan Garrido Fernández)	<b>Short presentation 23</b> - Removal Of Non-steroidal Anti-inflammatory Drugs From Water Through Photodegradation (Eleni Koumaki)
12:40 - 12:50	<b>Short presentation 2</b> - Examination On Alum Sludge For Rapid Phosphorus Adsorption From Municipal Wastewater Effluent (Masanobu Takashima)	<b>Short presentation 14</b> - Recovering Salts From Industrial Brines By NF-MD (Wim De Schepper)	<b>Short presentation 24</b> - TiO <sub>2</sub> -assisted Photocatalysis For Selected EDCs Removal From Treated Municipal Wastewater (Evan Diamadopoulos)
12:50 - 13:00	<b>Short presentation 3</b> - A new Approach for Sludge Disintegration & Minimization: Biomass Distortion using Nanoparticle Coated (TolgaTunçal)	<b>Short presentation 15</b> - Effects Of Sodium On The PHA Accumulation By A Microbial Mixed Community (Tania Palmeiro-Sánchez)	<b>Short presentation 25</b> - Removal Of Heavy Metal Ions From Wastewater Using Industrial Waste Sludge (Ivan Brnardić)
13:00 - 14:30	<b>Lunch break and Poster session</b>		

1 <sup>st</sup> Afternoon Session	Efficient Technologies - AnAmmOx (Aula T1 Polo Zanotto) <i>Chairs: Jesus Colprim; Elzbieta Plaza</i>	Efficient Technologies - Membrane technology (Aula T2 Polo Zanotto) <i>Chairs: Alberto Figoli; Juan Garrido</i>	Efficient Technologies - Non-conventional and emerging contaminants (Aula T3 Polo Zanotto) <i>Chairs: Giuseppe Mascolo; Francisco Omil</i>
14:30 - 15:00	<b>Keynote 2</b> - Pilot Scale Evaluation Of Anammox Based Mainstream Nitrogen Removal From Municipal Wastewater (Tommaso Lotti)	<b>Keynote 4</b> - Energy Production Potential Of A Pilot-Scale Staged Anaerobic Fluidized Membrane Bioreactor(SAF-MBR) (Jaeho Bae)	<b>Keynote 6</b> - Removal of Micropollutants from Secondary Effluents and Sludge by Various Processes in Rural and Peri-urban Areas (Jean-Marc Choubert)
15:00 - 15:20	<b>Platform 7</b> - ELAN? An Anammox Based Process, To Treat Industrial Effluents From Fish Canning Industry (Angeles Del Rio)	<b>Platform 17</b> - Membrane Bioreactor (MBR) Process Using Commercial And Novel Low-fouling Membranes For Treatment Of Textile Dye Wastewater (Jan Hoinkis)	<b>Platform 28</b> – Organics removal and minimization of degradation products during treatment of pharmaceutical wastewater (Giuseppe Mascolo)
15:20 - 15:40	<b>Platform 8</b> - Treatability Of Digested Piggery/poultry Manure By Anammox Bacteria (Davide Scaglione)	<b>Platform 18</b> - MBR-AD Pilot System For The Co-treatment Of Municipal Wastewater And Biodegradable Solid Waste (Maria Loizidou)	<b>Platform 29</b> - Technical, Economic And Environmental Evaluation Of Tertiary Treatments For Micropollutants Removal (Sophie Besnault)
15:40 - 15:50	<b>Short presentation 4</b> - Single-stage Nitrogen Removal Using Double-Layered Gel Beads Entrapping AOB And ANAMMOX Bacteria (Hyokwan Bae)	<b>Platform 19</b> - Simultaneous Nitrogen And Methane Removal In An MBR After A Methanogenic Pre-treatment (Álvaro Silva)	<b>Short presentation 26</b> - Batch And Continuous Enzymatic Reactors Applied For The Removal Of Bisphenol A By Laccase (Adriana Arca Ramos)
15:50 - 16:00	<b>Short presentation 5</b> - Influence Of COD Input And Aeration Regime On Mainstream Deammonification Performance (Mofei Han)		<b>Short presentation 27</b> - Electrochemical Disinfection Combined With Micropollutant Degradation Using A Diamond Electrode (Brigitte Helmreich)
16:00 - 16:30	<b>Coffee break and Poster session</b>		

2 <sup>nd</sup> Afternoon Session	Efficient technologies - Novel processes (Aula T1 Polo Zanotto) Chairs: Maria Loizidou ; Cristina Cavinato	Efficient technologies - Novel processes (Aula T2 Polo Zanotto) Chairs: Jaeho Bae; Mari-Karoliina Henriikka Winkler	Efficient Technologies - Non-conventional and emerging contaminants (Aula T3 Polo Zanotto) Chairs: Sophie Besnault; Valeria Mezzanotte
16:30 - 16:50	<b>Platform 9</b> - Environmental Assessment Of Biological Treatment Of Washing Waters From Cheese Production (Doris Brockmann)	<b>Platform 20</b> - Modelling Of Microbial Population And Metabolism In Full-scale EBPR Plants (Adrian Oehmen)	<b>Platform 30</b> - Influence Of The Organic Loading Rate On The Removal Of An Azo-dye In Aerobic And Anaerobic Filters (Yazmin Cobos-Becerra)
16:50 - 17:10	<b>Platform 10</b> - When More Means Better? How To Assess Wastewater Treatment Chain By Means Of A Global Evaluation Tool (Matteo Papa)	<b>Platform 21</b> - N And COD Removal Of Leachate Enhancing The COD Biodegradability Combining Panamox® And PhotoFenton (Alba Anfruns)	<b>Platform 31</b> - Control of disinfection by-products for the sustainability of urban wastewater treatment plants' discharges (Marco Ostoich)
17:10 - 17:30	<b>Platform 11</b> - Leachate Remediation At Closed Solid Waste Landfill Using Permeable Reactive Barrier With Vegetation (Chart Chiemchaisri)	<b>Platform 22</b> - Optimizing The Via Nitrite Phosphorus Removal From Low Strength Anaerobic Effluents (Egina Katsou, Simos Malamis)	<b>Platform 32</b> - Photocatalytic Porcelain Gres Tiles With Micro-sized TiO <sub>2</sub> : Tests Of Degradation Of Dyes In Water (Carlo Pirola)
17:30 - 17:40	<b>Short presentation 6</b> – Effect Of Gamma Irradiation On Viability Of Cryptosporidium Spp. Oocysts In Municipal Wastewater (Zisan Emre)	<b>Short presentation 16</b> - Guidelines For The Optimal Operation Of The Hybrid Membrane Aerated Biofilm Process For Nitrogen Removal (Ana Lorena Esteban-García)	<b>Short presentation 28</b> - Optimization Of Homogenous And TF Photocatalytic Degradation Of Ampicilin And Toxicity Evaluation (Can Burak Özkal, SureyyaMeric Pagano)
17:40 - 17:50	<b>Short presentation 7</b> - Examination Of Selected Alternative Settlement Tests At Small-scale Activated Sludge Plants (Louise Hannon)	<b>Short presentation 17</b> - A Robust Biological System For Sewage Treatment In Tourist Areas (Claudio Di Iaconi, Guido Del Moro)	<b>Short presentation 29</b> - Analysis Of Industrial Effluents With A Battery Of Rapid Ecotoxicity Assays (Jan Dries)
17:50 - 18:00	<b>Short presentation 8</b> - Treatment Of Biomass Gasification Wastewater In A Rotating Biological Contactor (Hansa Jeswani)	<b>Short presentation 18</b> - Potentialities Of Novel PBM Membranes In Wastewater Treatment (Alberto Figoli)	<b>Short presentation 30</b> - Novel Pre-polymerized Coagulant Agents Used For The Treatment Of Industrial Wastewaters (Anastasios Zouboulis, AthanasiaTolkou)
18:00 - 18:10	<b>Short presentation 9</b> - Stability Of Aerobic Granular Sludge Under pH Stress (Giulio Munz)	<b>Short presentation 19</b> - Sustainable Conversion Of FOG Wastes Produced By Municipal Wastewater Treatment Plant Into Biofuels (Carlo Pastore)	<b>Short presentation 31</b> - Degradation Of An Endocrine Disrupting Chemical (EDC) Using Different Advanced Oxidation Processes (David Campos, Laura Pramparo)

18:10 - 18:20	<b>Short presentation 10</b> - Design Issues For Innovative Wastewater Treatment Plants To Improve Coping With Extreme Weather Events (Anastasios Stamou)	<b>Short presentation 20</b> - Bioregeneration Of Exhaust Granular Activated Carbon From The Treatment Of Tanker Slops (Giuseppe Mancini)	<b>Short presentation 32</b> – Removal Of Heavy Metals Using Advanced Oxidation Technology (Arshad Husain)
18:30 - 20:30	<b>WATERFRONT tour of the historical center (included in conference fee)</b>		
20:30 - 22:30	<b>ecoSTP2014 Gala Dinner at Palazzo Verità-Poeta (<a href="http://www.palazzoverita.it">www.palazzoverita.it</a>)*</b>		

\* Max 300 participants: € 25 is required for registration

**Wednesday, 25<sup>th</sup> June 2014**

08:45 - 09:30	<b>Plenary session: Microbial production of electricity in wastewater treatment plants -</b> <b>Abraham Núñez Esteve (Spain) (Aula T2 – Polo Zanotto)</b> <b>Chair: Juan Lema</b>		
<b>1<sup>st</sup> Morning Session</b>	<b>Environmental and Economic Assessment - GHG emissions</b> <b>(Aula T1 Polo Zanotto)</b> <b>Chairs: Giorgio Bertanza;</b> <b>Eveline Volcke</b>	<b>Modelling and Process Integration</b> <b>(Aula T2 Polo Zanotto)</b> <b>Chairs: Juan Lema;</b> <b>Maria Concetta Tomei</b>	<b>Efficient Technologies - Novel technologies</b> <b>(Aula T3 Polo Zanotto)</b> <b>Chairs: Claudio di Iaconi;</b> <b>Anuska Mosquera Corral</b>
09:30 - 10:00	<b>Keynote 7 - Lessons Learnt From N2O Production During Extremely High Nitrogen Streams Treatment</b> <b>(Jordi Gabarrò)</b>	<b>Keynote 9 - Wastewater Modelling And Population Living Style</b> <b>(Marie-Noelle Pons)</b>	<b>Keynote 11 - Towards Management Of The Bacterial Resource For Nutrient Removal In Granular Sludge Biofilm Systems</b> <b>(David Weissbrodt)</b>
10:00 - 10:20	<b>Platform 33 - Monitoring Of The Oxygen Transfer Efficiency And Greenhouse Gas Emissions In The Oxidation Tank Of San Colombano WWTP</b> <b>(Cecilia Caretti)</b>	<b>Platform 43 - Model-based Observers For Monitoring Of Biological Nitrification Of Urine In Decentralized Treatment</b> <b>(Alma Masic)</b>	<b>Platform 55 - Assessment Of Crude Glycerol For Enhanced Biological Phosphorus Removal: Stability And Role Of LCFA</b> <b>(Juan Baeza)</b>
10:20 - 10:40	<b>Platform 34 – Identification Of Process Scenarios Leading To Peak CH And N O Emissions In A Full-scale WWTP</b> <b>(Adrian Rodriguez-Caballero)</b>	<b>Platform 44 - Plant-Wide Model Simulations For Studying Phosphorous Recovery And Energy Costs In WWTPs</b> <b>(Tamara Fernández-Arevalo)</b>	<b>Platform 56 - Treatment Performance Of Practical-scale DHS Reactor Employing Third-generation Sponge Media</b> <b>(Tsutomu Okubo)</b>
10:40 - 11:00	<b>Platform 35 - Plume Measurements For Quantifying CH And NO Emissions From Three Wastewater Treatment Plants</b> <b>(Jacob Mønster)</b>	<b>Platform 45 - Modelling Simultaneous Anaerobic Methane And Ammonium Removal In A Granular Sludge Reactor</b> <b>(Mari Winkler)</b>	<b>Platform 57 - Reducing The Energy Consumption Of Aerobic Sewage Treatment By Removing The Bubbles</b> <b>(Eoin Syron)</b>
11:00 - 11:30	<b>Coffee break and Poster Session</b>		

2 <sup>nd</sup> Morning Session	Environmental and Economic Assessment - GHG emissions (Aula T1 Polo Zanotto) <i>Chairs: Jorge Rodriguez; Davide Scaglione</i>	Efficient Technologies - Design and Optimization (Aula T2 Polo Zanotto) <i>Chairs: Marcos Von Sperling; David Bolzonella</i>	Efficient Technologies - Novel Technologies (Aula T3 Polo Zanotto) <i>Chairs: Christian Remy; Elena Ficara</i>
11:30 - 11:50	<b>Platform 36</b> - Effect Of Nitrite On The N2O And NO Production On The Nitrification Of Low Strength NH <sub>4</sub> <sup>+</sup> Wastewater (Celia M. Castro-Barros)	<b>Platform 46</b> - Design Of A Free Water Surface Constructed Wetland Based On A Novel Dynamic Model (Gerasimos Lyberatos)	<b>Platform 58</b> - Challenges In The Design Of A Community-based Vermifiltration System For Wastewater Treatment (Anusuya Joshi)
11:50 - 12:10	<b>Platform 37</b> - Optimisation And Stability Of Biofiltration Of Methane Diffuse Emissions Using A Low-Cost Organic Carrier (Santiago Gómez Cuervo)	<b>Platform 47</b> - An Optimization Based Framework For Design And Retrofit Of Municipal Wastewater Treatment Plants (Hande Bozkurt)	<b>Platform 59</b> - Biodegradation Of Naphthalene Sulfonate Polymers By Pleurotus Ostreatus In Packed-bed Bioreactor (Laura Palli)
12:10 - 12:20	<b>Platform 38</b> - Wastewater Treatment Processes Impact On Energy Savings And Greenhouse Gas Emissions (Daniel Mamais)	<b>Platform 48</b> - Optimization Methodology For Enhancement The Biogas Production Of Anaerobic Digestion Of Agro-wastes (Isam Sabbah)	<b>Short presentation 42</b> – Organic matter characterization by prep-HPLC for reclaimed water quality in constructed wetland (Jongkwan Park)
12:20 - 12:30			<b>Short presentation 43</b> – Sunlight Penetration in Arctic Wastewater Stabilization Ponds (Sarah Thompson, Pascale Champagne)
12:30 - 12:40	<b>Short presentation 33</b> Greenhouse Gas Emissions From Wastewater Treatment Plants: A Case Study For Meat Processing Industry (Dölgen Deniz)	<b>Platform 49</b> - Energy Optimization Of The Wastewater Treatment Plant In Castiglione T.se (NW Of Italy) (Mariantonia Zappone)	<b>Short presentation 44</b> – Sequential Anaerobic Aerobic Treatment For The Biodegradation Of Pulp And Paper Mill Wastewater (Izharul Farooqi)
12:40 - 12:50			<b>Short presentation 45</b> - Cultivation Of Aerobic Granular Sludge For The Treatment Of Petrochemical Wastewater (Stefano Milia, Emanuela Mallocci)
12:50 - 13:00	<b>Short presentation 34</b> - GHG Emissions From A Continuous NitritationDenitritation Process For Digester Supernatant Treatment (Anna Laura Eusebi, Martina Santinelli)	<b>Platform 50</b> - Heat Recovery From A WWTP Treating High-concentrated Wastewater (Eveline Volcke)	<b>Short presentation 46</b> - Biodegradation By Fungi: An Effective Tool For The Implementation Of Landfill Leachate Treatment (Valeria Tigini)
13:00 - 13:10	<b>Short presentation 35</b> - A Microelectrode-based System For Online Monitoring Of N2O Gas Emissions During Wastewater Treatment (Maite Pijuan)		

13:10 - 14:30	<b>Lunch break and Poster session</b>		
<b>1<sup>st</sup> Afternoon Sessions</b>	<b>Environmental and Economic Assessment (Aula T1 Polo Zanotto)</b> <i>Chairs: Andreas Andreadakis; Luciano Franchini</i>	<b>Efficient Technologies (Aula T2 Polo Zanotto)</b> <i>Chairs: Roberto Canziani; Alma Masic</i>	<b>Benchmarking and Decision Support tools (Aula T3 Polo Zanotto)</b> <i>Chairs: Diego Rosso; Ulf Jeppsson</i>
14:30 - 15:00	<b>Keynote 8</b> - Willingness To Consume Products Irrigated From Recycled Water: Evidence From Electrodermal Activity (Konstantinos Tsagarakis)	<b>Keynote 10</b> - Comparison Of Small Treatment Systems: UASB-ponds, UASB-horizontal Wetlands And Vertical Wetlands (Marcos von Sperling)	<b>Keynote 12</b> - A Knowledge-based Decision Support Tool For Selecting Eco-Wastewater Treatment Technologies (Jose Porro)
15:00 - 15:20	<b>Platform 39</b> - A Tool To Compare Life-time Costs Of Water Supply And Sanitation Systems (GuenterLangergraber)	<b>Platform 51</b> - Integrating the selection of PHA storing biomass and nitrogen removal via nitrite in the main wastewater treatment line (Nuria Basset)	<b>Platform 60</b> - WATERLILY®, Water Footprint Calculation Tool: Application To Urban Water Cycle (Ywann Penru, Sophie Besnault)
15:20 - 15:40	<b>Platform 40</b> - Determinants Of Efficiency In Danish Wastewater Utilities (Andrea Guerrini)	<b>Platform 52</b> - Integrating Concepts For Energy And Resource Recovery From Municipal Wastewater With LCA (Christian Remy )	<b>Platform 61</b> - Energy Benchmarking Of Wastewater Treatment Plants (Ana Soares)
15:40 - 16:00	<b>Platform 41</b> - Productivity Of WWTPs Including Greenhouse Gases: A Malmquist-Luenberger Approach (María Molinos-Senante)	<b>Platform 53</b> - Alternative Membrane Bioreactor Treatment Lines With High Energy Efficiency (Bruno Barillon, Irene Mozo)	<b>Platform 62</b> - Benchmarking Large Municipal WWTPs Using Official Questionnaires: The Case Study Of Italy (Sabino De Gisi)
16:00 - 16:30	<b>Coffee break and Poster session</b>		

2 <sup>nd</sup> Afternoon Session	Environmental and Economic Assessment (Aula T1 Polo Zanotto) <i>Chairs: Gumersindo Feijo; Marco Ostoich</i>	Efficient Technologies - Energy Efficiency and Novel Biological Processes (Aula T2 Polo Zanotto) <i>Chairs: Paolo Pavan; Isam Sabbah</i>	Efficient Technologies - Non-conventional and emerging contaminants (Aula T3 Polo Zanotto) <i>Chairs: Peter Shroeder; Mohamad Rajab</i>
16:30 - 16:50	<b>Platform 42</b> - Sustainability Assessment Of The WWTP In The Baltic Sea Region: A Case Study In Lithuania (Jolanta Dvarionienė)	<b>Platform 54</b> - The Study On The Energy Potential Flow Analysis For The Energy Balanced Sewage Treatment Plant (Toshiki Fukushima)	<b>Platform 63</b> - Oxidative Degradation Of Yeast Residue Employed As Biosorbent For Organic Compounds By Fenton Reaction (Geórgia Christina Labuto Araújo)
16:50 - 17:00	<b>Short presentation 36</b> - Water Footprint Assessment In Wastewater Treatment Plants (Serni Morera Carbonell, Joaquim Comas)	<b>Short presentation 39</b> - Energy Efficient WWTPs: Simulation And Validation Of A Decision Support System Through Modelling (Roberto Di Cosmo)	<b>Short presentation 47</b> - Biotransformation Of Organic Micro-pollutants By Ammonia Oxidizing Bacteria (Carlos Dosoretz)
17:40 - 17:10	<b>Short presentation 37</b> - Environmental Assessment Of Bioenergy Production Through Suitable Wastewater And Waste Management (Sara González-García, Maite Moreira)	<b>Short presentation 40</b> - The Influence Of The External Factors On The Catabolic Pathways In The Mixed-culture Fermentation (Piotr Oleskowicz-Popiel)	<b>Short presentation 48</b> - Enzymatic Membrane Reactor With Covalently Grafted Laccase For Tetracycline Degradation (Matthias de Cazes)
17:10 - 17:20	<b>Short presentation 38</b> - LCA Of Heterogeneous And Homogenous Fenton processes For The Treatment Of Pharmaceutical Wastewater (Raul Molina)	<b>Short presentation 41</b> - Metabolic Behaviour Of Tetrasphaera And Accumulibacter Populations In Enhanced Biological Phosphorus (Ricardo Marques)	<b>Short presentation 49</b> – Degradation Of Polycyclic Aromatic Hydrocarbons (PAHs) In Produced Water Using Fenton Process (Mohamed Hasnain Isa)

Last Session	<b>Innovative case studies (Aula T1 Polo Zanotto)</b> <i>Chairs: Deniz Dölgen; Giulio Munz</i>	<b>Innovative case studies (Aula T2 Polo Zanotto)</b> <i>Chairs: Amy Forsgren; Joanna Surmacz Gorska</i>	<b>Innovative case studies (Aula T3 Polo Zanotto)</b> <i>Chairs: Daniel Nolasco; Ana Soares</i>
17:30 - 17:45	<b>Innovative case study 1</b> - Current Situation And Future Possibilities For Sewage Sludge Valorization (Umberto Ballabio)	<b>Innovative case study 5</b> - Wastewater Disinfection With Performic Acid: Full-scale Comparisons With Chlorine And Peracetic Acid (Patrizia Ragazzo)	<b>Innovative case study 9</b> - Water reclamation and conservation in Greece: legal framework and public perception (Andreas Andreadakis)
17:45 - 18:00	<b>Innovative case study 2</b> - Short-cut Enhanced Nutrient Abatement (SCENA) From Anaerobic Supernatant At Pilot And Full Scale (Daniele Renzi)	<b>Innovative case study 6</b> - Intermittent Aeration Process Through The OSCAR® Controller: Full-scale Application And Modelization (Giuseppe Guglielmi)	<b>Innovative case study 10</b> – Optimizing the management of water services through inter-organizational network of public-owned water utilities: the case of VIVERACQUA in Veneto Region (Diego Macchiella)
18:00 – 18:15	<b>Innovative case study 3</b> – Water and wastewater treatment in hot and cold climates: open issues and possible solutions (Luca Sudati, Alessandro Loda)	<b>Innovative case study 7</b> - NEREDA® - An Emerging Technology For Sewage Treatment (Abid Khan, Andreas Giesen)	<b>Innovative case study 11</b> - Project And Realization Of Automation For The Management Of Not Manned Wastewater Treatment Plants (Eleonora Campanelli)
18:15-18:30	<b>Innovative case study 4</b> - High-Rate Sieve Microfiltration As Primary Treatment Process For Municipal Wastewater Treatment (Domenico Santoro)	<b>Innovative case study 8</b> - Optimization Of The Alternate Cycles Process In A Municipal Wastewater Treatment Plant (Simone Caffaz)	<b>Innovative case study 12</b> - Model-Based Methodology For Plant-Wide Optimization Of WWTPs: A Case Study (Benoit Chachuat)

18:30 - 19:30	<b>ecoSTP2014 Final Remarks and Closing Session (Aula T2 – Polo Zanotto)</b>
	Final remarks - Efficient Technologies: <b><i>Gerasimos Lyberatos (Greece)</i></b> - Chair of the Water2020 WG1
	Final remarks - Resource recovery technology: <b><i>Robbert Kleerebezem (Netherlands)</i></b> - Chair of the Water2020 WG2
	Final remarks - Economic and Environmental Impacts: <b><i>Konstantinos Tsagarakis (Greece)</i></b> - Chair of the Water2020 WG3
	Final remarks - Modelling and Process Integration: <b><i>Marie-Noelle Pons (France)</i></b> - Chair of the Water2020 WG4
	ecoSTP2014 Young Water Professionals Prize
	<b><i>Arrivederci a ecoSTP2016!</i></b> by the ecoSTP2014 Organizing Team

Thursday, 26<sup>th</sup> June 2014

		<b>Location: Polo Zanotto - University of Verona (Aula T1)</b>
08:30	11:15	Workshop " <b>Emerging Challenges for a Sustainable and Integrated Urban Water System Management</b> " by SANITAS consortium ( <a href="http://www.sanitas-itn.eu">www.sanitas-itn.eu</a> ) Sustainable and Integrated Urban Water System Management by FP7 SANITAS Consortium
11:15	11:30	Coffee break
11:30	13:00	Workshop " <b>Aeration &amp; Energy Optimization – Current Theory &amp; Practice</b> " - by Daniel Nolasco and Diego Rosso*
13:00	14:00	Buffet lunch
14:00	16:00	Workshop " <b>Aeration &amp; Energy Optimization – Current Theory &amp; Practice</b> " - by Daniel Nolasco and Diego Rosso*
16:10	16:30	Presentation of the WWTP "Città di Verona" (by <i>Acque Veronesi Scarl</i> )
16:30	18:30	Technical tour - WWTP "Città di Verona" (by <i>Acque Veronesi Scarl</i> )

\* Max 30 participants : € 50 fee required for registration. Please check [www.ecostp.org](http://www.ecostp.org)

**Friday, 27<sup>th</sup> June 2014**

Technical tours		Location: Conference room - VERITAS SpA - Venice-Fusina**	Location: Peschiera del Garda WWTP***
09:30	11:00	History and development of the petrochemical site of Porto Marghera. The Porto Marghera's centralized wastewater treatment plant for industrial wastewater treatment: technical choices, water monitoring, environmental insights and considerations regarding the plant operation and maintenance. (By <i>Sifagest S.c.ar.l.</i> )	Technical tour of the Peschiera del Garda municipal WWTP (by AGS and Depurazioni Benacensi)
11:00	11:15	Coffee break	
11:15	12:45	The Fusina's centralized wastewater treatment plant for municipal wastewater treatment: technical choices, water monitoring, environmental insights and considerations regarding the plant operation and maintenance. (By <i>Veritas S.p.A.</i> )	
12:45	13:15	Questions and Answers	/
13:15	14:15	Lunch break	/
14:15	15:30	Visit to petrochemical WWTP MBR plant	/
15:30	16:00	Transfer from petrochemical WWTP to municipal WWTP	/
16:00	17:30	Visit to Fusina municipal WWTP	/

\*\* Max 50 participants: € 10 requested for registration.

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