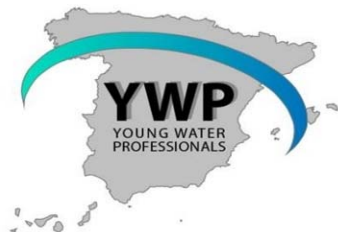


Congreso Young Water Professionals Spain 2019

12 – 15 Noviembre 2019
Madrid, España



Programa



12 noviembre - Fundación Canal	
18:30	Registro anticipado
19:00	Inauguración: 0.1 - Carmen Hernández 0.2 - Fernando Morcillo 0.3 - Paloma Martín
19:30	0.4 - Águeda García de Durango
19:45	Cóctail de bienvenida

13 noviembre - ETSII (UPM)	
8:30	Registro
9:00	Saludo y bienvenida
SESIÓN 1: Tecnologías Emergentes 1	
9:10	KN - Alberto Provencio / Bernardo Mingo-Gestagua
9:30	S1.1 - Paula García-Negueroles
9:40	S1.2 - Yu Shen
9:50	S1.3 - Mira Sulonen
10:00	S1.4 - Leonor Ferreira
10:10	S1.5 - Mario Díaz
10:20	S1.6 - Antonio Calabuig
10:30	Preguntas
10:45	Coffee break
SESIÓN 2: El Ciclo del Agua	
11:10	KN - Belén Benito - Canal de Isabel II
11:30	S2.1 - Ana Cruz del Álamo
11:40	S2.2 - Elena Calcerrada
11:50	S2.3 - Rubén García
12:00	S2.4 - Nuria Zamorano
12:10	S2.5 - Cecilia Dorado

SESIÓN 2: El Ciclo del Agua	
12:20	S2.6 - Julia María Raez
12:30	S2.7 - Benjamín Parellada
12:40	Preguntas
SESIÓN 3: Tratamientos Avanzados de Depuración	
12:50	KN - Frank Rogalla - Aqualia
13:10	S3.1 - Miguel Roldán
13:20	S3.2 - Sara Toja
13:30	S3.3 - Engracia Lacasa
13:40	S3.4 - Pia Oyarzua
13:50	S3.5 - José Fernando Pérez
14:00	S3.6 - Rebecca Serna
14:10	S3.7 - Salvador Cotillas
14:20	Preguntas
14:35	Comida - Networking
TALLERES EN PARALELO	
16:00	ONGAWA / Presentaciones dinámicas / Redes sociales / Water Xcape Room
17:15	Coffee break
17:45	ONGAWA / Presentaciones dinámicas / Redes sociales / Water Xcape Room
Cierre de la primera sesión	
21:00	Ruta de tapas



Programa



14 noviembre - ETSII (UPM)	
SESIÓN 4: Economía y Gobernanza	
9:00	KN - Rubén Ruiz - SUEZ
9:20	S4.1 - Alejandro García
9:30	S4.2 - Ángela García
9:40	S4.3 - Edgar Belda
9:50	S4.4 - Patricia Terrero
10:00	S4.5 - Pilar García y José Antonio Rodríguez
10:15	S4.6 - Beatriz Mayor
10:25	Preguntas
10:40	Coffee break
SESIÓN 5: Agua 4.0	
11:10	KN - Paula Pérez - Acciona
11:30	S5.1 - Nil Llopart
11:40	S5.2 - Eva Gómez-Llanos
11:50	S5.3 - Lluís Godó-Pla
12:00	S5.4 - Jordi Suquet
12:10	S5.5 - Darío de Frutos
12:20	Preguntas
SESIÓN 6: Tour por los posters	
12:40	Tour posters - 4 stands (Detalles más abajo)
13:40	Comida
SESIÓN 7: Tecnologías emergentes 2	
15:00	KN - Antonia Elena Campos - Sacyr Agua
15:20	S7.1 - Irene Salmerón
15:30	S7.2 - Federico Ferrari
15:40	S7.3 - Zulema Borjas

SESIÓN 7: Tecnologías emergentes 2	
15:50	S7.4 - Samira Nahim
16:00	S7.5 - Esther Mendoza
16:10	S7.6 - Jorge Rodríguez
16:20	Preguntas
16:35	Coffee break
SESIÓN 8: YWPx - IWA - 10 x el Agua	
17:00	Dinamizador - Alejandro Maceira - iAgua
17:05	YWPx - Águeda García de Durango (iAgua)
17:15	YWPx - Marina Arnaldos (Cetaqua)
17:25	YWPx - Francisco Pedrero (CEBAS-CSIC)
17:35	YWPx - Mariano Martín (Acciona)
17:45	IWA - Caterina Marinetti (IWA) IWA - Eva Martínez (Aqualia)
18:10	10 x el Agua (Detalles más abajo)
19:00	Conclusiones, entrega de premios y despedida

Cierre de la segunda sesión	
21:00	Cena de gala

15 noviembre	
9:00	Visitas técnicas (Detalles más abajo)
12:30	Fin de visitas



Programa



PONENCIAS

0.1 - Bienvenida por parte de la presidenta de los Young Water Professionals Spanish Chapter - Carmen Hernández
0.2 - Bienvenida por parte del presidente de AEAS - Fernando Morcillo
0.3 - Bienvenida por parte de la Consejera de Medio Ambiente, Ordenación del Territorio y Sostenibilidad de la Comunidad de Madrid - Paloma Martín
0.4 - Implicación del congreso IWA YWP Madrid con los Objetivos de Desarrollo Sostenible - Águeda García de Durango
S1.1 - Degradation of emerging pollutants using humic like substances as iron complexing agent at mild conditions - Paula García-Negueroles
S1.2 - Visible-light-driven activation of peroxymonosulfate for paracetamol removal via $Zn_xNi_{1-x}Fe_2O_4@BiOBr$: degradation kinetics, byproduct and mechanism - Yu Shen
S1.3 - Comprehensive treatment of acid mine drainage with bioelectrochemical systems - Mira Sulonen
S1.4 - Suspended UVA-LEDs to Assess TiO_2 Photocatalysis and Photo-Fenton Processes - Leonor Ferreira
S1.5 - Assessment of strategies for the revalorization of Kraft black liquor - Mario Diaz
S1.6 - Computational fluid dynamics applied to large marine aquarium: hydrodynamics simulation and full-scale validation of a dolphinarium in the valencia oceanographic park - Antonio Calabuig
S2.1 - A novel advanced bio-oxidation system for the treatment of real wastewater and emerging contaminants based on white-rot fungi immobilized in a continous rotating biological contactor - Ana Cruz del Álamo
S2.2 - The new sustainable stormwater management basic design guideline in the city of madrid. Application in a case of study: rain garden - Elena Calcerrada
S2.3 - Multidisciplinary study of different real scale constructed wetlands based on CFD simulations and microbiological communities characterization - Rubén García
S2.4 - Primary-settled sulfate-rich sewage treatment using AnMBR technology: operational limits and microbial dynamics - Nuria Zamorano
S2.5 - Harvesting resources from urban wastewater – three anmbr applications in atlantic, mediterranean and continental climates - Cecilia Dorado



Programa



PONENCIAS

S2.6 - Removal of arsenic from water by photocatalysis and adsorption processes using immobilized tio2 and iron materials - Julia María Raez
S2.7 - Leak Localization in Water Distribution Networks using Pressure and a Data-Driven Classifier Approach - Benjamín Parellada
S3.1 - Novel sludge management strategies to enhance the p-recovery before anaerobic digestion in the Murcia-Este wwtp - Miguel Roldán
S3.2 - Localization of hydrolytic activity in aerobic granular sludge - Sara Toja
S3.3 - Management of hospital effluents: chemical and biological risks reduction by electrochemical advanced oxidation processes - Engracia Lacasa
S3.4 - Different molecular approaches to study anammox communities in wastewater treatment - Pia Oyarzua
S3.5 - New electrochemical reactors for coming challenges in wastewater treatment - José Fernando Pérez
S3.6 - Developing a respirometric technique for assessing biological activity of wastewater grown microalgae - Rebecca Serna
S3.7 - Scaling-up an integrated electrodisinfection-electrocoagulation process for wastewater reclamation - Salvador Cotillas
S4.1 - GUARDIAN: Green Urban Actions for Resilient fire Defence of the Interface Area - Alejandro García
S4.2 - Solar Water Disinfection (SODIS) as a household water treatment for low-income countries. Challenges and dealings - Ángela García
S4.3 - AQTPlayer, rapid analysis of general changes in a water resources management model for scenario simulation and improvement in the decision support system - Edgar Belda
S4.4 - LIFE-DESEACROP. Desalinated seawater for alternative and sustainable soilless crop production - Patricia Terrero
S4.5 - Asset renewal needs and innovative financing for the urban water cycle - Pilar García y José Antonio Rodríguez
S4.6 - Natural assurance schemes canvas: a framework to identify business models to catalyse the implementation of nature based solutions for disaster risk reduction - Beatriz Mayor
S5.1 - Development and implementation of a decision support system for a novel integrated solution aimed at water reuse - Nil Llopart
S5.2 - Micro-hydropower plants site using geographic information system: an opportunity to take advantage of removable energy resources - Eva Gómez-Llanos
S5.3 - DrinkIA: An Environmental Decision Support System for the Integrated Management of Drinking Water Treatment Plants - Lluís Godó-Pla



Programa



PONENCIAS

S5.4 - Towards a development of NOM-related Environmental Decision Support System for drinking water treatment plants - Jordi Suquet
S5.5 - Surface water flood risk management and how to implement suds in cities. Case study: sidmouth flood alleviation scheme - Darío de Frutos
S7.1 - Combination of nanofiltration membranes and electrooxidative processes as tertiary treatment for the removal of microcontaminants - Irene Salmerón
S7.2 - Exploring forward osmosis for production of reclaimed water and concentrated wastewater for anaerobic treatment - Federico Ferrari
S7.3 - Biofouling control based on nutrient removal in seawater reverse osmosis membranes - Zulema Borjas
S7.4 - Evaluation of ozone as an alternative treatment to chlorine in the fresh-cut industry: disinfection, microcontaminants elimination and agricultural reuse of treated wash-water - Samira Nahim
S7.5 - Evaluation of fertilizer-drawn forward osmosis for sustainable water reuse in touristic mediterranean regions - Esther Mendoza
S7.6 - Magnetic CoFe ₂ O ₄ ferrites for PMS activation for disinfection of wastewater - Jorge Rodríguez
YWPx - Women in the Water sector - Águeda García de Durango
YWPx - Public-Private Collaboration in the Water sector - Marina Arnaldos
YWPx - Mediterranean youth water network (MedYWat): channeling the knowledge to policymakers - Francisco Pedrero
YWPx - De los sistemas de control a la Inteligencia Artificial... Un viaje. Un camino - Mariano Martin
IWA - YWP and Digital Water programmes - Caterina Marinetti
IWA - Digital Water - Eva Martínez
10 x el agua - Sorpresa
Concursantes:
- Rosario Arnau
- José Antonio Palomero
- Ana Arahuetes
- Marta Suárez-Varela



Programa



POSTERS - STAND 1 - AGUA 4.0 Y NUEVAS TECNOLOGÍAS

P01 - Water 4.0, digital transformation and the concept of Hydric Intensity: A revised and updated look at Ester Boserup's principle of increased resource production to cope with population growth - Adrián Rubio
P02 - Characterization and monitoring of wastewater effluents in sewer networks - Berta Saenz de Cabezón
P03 - Metodología para la detección y localización de fugas en redes de distribución de agua basada en técnicas de Machine Learning - David J. Vicente
P04 - Assessment of wwtp sludge management strategies using a key performance index simulator - David Palma
P05 - Water quality modelling of albufera lake: simulating and analysing climate change scenarios - Edgar Belda
P06 - Aplicación de nuevas tecnologías a la modelización hidráulica y a los estudios de simulación - Elsa Mahmoud
P07 - Data mining based tool for the automation of the design of intelligent process control systems in waste water treatment plants - Josep Pascual
P08 - New drinking water pipeline renewal system with infusion and vacuum technology - Francesc Robles
P09 - Portable solution for the electrochemical regeneration of activated carbon - Javier Mascaros
P10 - Advanced water treatment in the maritime industry: a focus on disinfection purposes - Javier Moreno
P11 - Integrated hydrothermal treatment of sludge and biological treatment of wastewater from oil refineries with chemical valorisation - Javier San Martín
P12 - Water desalination, an alternative in water production - José Luis Marín
P13 - Dissolved air flotation to remove metals from metallurgy wastewater - Leticia López
P14 - Heterotrophic microalgae-based wastewater treatment prototype system for effluents generated by fruit and vegetable processing industry - Lidia Garrote
P15 - Integrated assesement of sulfate-based aops for pharmaceutical active compounds removal from wastewater - Luca Sbardella
P16 - Evaluation of light availability and efficiency in a microalgae-based wastewater treatment process - Stéphanie Aparicio



Programa



POSTERS - STAND 2 - CICLO DEL AGUA Y AGUA 4.0

P17 - Anaerobic biological model implementation in cfd tool - Rosario Arnau
P18 - Risk assessment methodology for water transport networks - Sarai Diaz
P19 - Towards a smart & integral treatment of natural radioactivity in water provision services - Isabel María Rodríguez
P20 - PVC-O pipes and fittings, the most environmentally friendly solution for water transportation - Agustín Moreno
P21 - Abatement of concerning neonicotinoid pesticide clothianidin from water by ozone and hydroxyl radical oxidation - Alberto Cruz-Alcalde
P22 - A step forward in the evaluation of hydromorphological status of rivers - Ana Arahuetes
P23 - Microbiological control in the application of treated sludge in agriculture - Andrea López
P24 - Preliminary evaluation of fluoride removal from volcanic groundwaters by nanofiltration - Ignacio Ruigomez
P25 - Pilot-scale study to determine the useful life of different types of granular activated carbon in relation to the adsorption capacity of geosmin and 2-methylisoborneol - Jaume Cotolí
P26 - The introduction of the ultrafiltration process in the mainstream of the wwtp: effect over the permeate quality - Jesús Godifredo
P27 - State estimation for water supply systems: pilot implementation in a real system - Sarai Diaz
P28 - Smart metering, a technology of the future, in the present - Juan Moral
P29 - The challenge of bim implementation in the water sector - Marina Jiménez
P30 - Considerations on the development and use of quality models in water distribution networks. Applications in a gis environment - Marta Hervás
P31 - Gprs data transmission from low-cost hydro-meteorological sensors in small mountain basins - Daniel Segovia-Cardozo
P32 - Automation as a catalyst for change - Álvaro Becerra



Programa



POSTERS - STAND 3 - NUEVAS TECNOLOGÍAS, GOBERNANZA Y ECONOMÍA DEL AGUA

P33 - Effect of ammonium concentration on microalgae photosynthesis - Stéphanie Aparicio
P34 - DEEP PURPLE: Photobiorefinary concept for Urban Biowastes conversion into high-added value products. - Luis Diaz
P35 - Incorporation of damping auscultation data in BIM models - María Sobrino
P36 - Evaluation of different sources of zero valent iron to remove pesticides in natural water at neutral ph - Melina Roccamante
P37 - Optimization of photocatalytic processes for wastewater treatment. Light distribution and catalyst configuration - Miguel Martín
P38 - Strategies in photo-fenton at neutral ph for wastewaters reuse - Núria López
P39 - Characterization and optimization of cathodes for bioelectrochemical hydrogen production - Pilar Sánchez
P40 - Removal of contaminants of emerging concern by photocatalysis tio2-nanotubes array. Influence of the operation conditions - Robert Prieto
P41 - Effectiveness and recovery of different titanium dioxide catalysts in the photocatalytic removal of enrofloxacin - Samuel Moles
P42 - A looking through water - Álvaro Melgar
P43 - Efforts to flush the sewer monster out. Standardization as a solution - Carmen Hernández
P44 - Composite indicators applied in water management to know the users perception of the water service - José Antonio Palomero
P45 - Integrated water management for the flood resilience in los alcázares - Mari Feli Fernández
P46 - Understanding the factors affecting willingness to use domestic rainwater harvesting system (drwhs). Case study in guanajuato (mexico) - Pilar Cabrera
P47 - The future of water issues dissemination: cátedra facsa de innovación en el ciclo integral del agua de la universitat jaume i - Rosario Arnau
P48 - The operational water systems as a cornerstone for water management in spain: an analysis of these systems in the light of the general restrictions that are imposed on them - Asensio Navarro



Programa



POSTERS - STAND 4 - NUEVAS TECNOLOGÍAS Y CICLO DEL AGUA

P49 - (photo)-fenton vs. Direct photolysis of enrofloxacin: novel degradation kinetic study employing fluorescence spectroscopy with the multy-way method parafac - Sara García

P50 - Microalgae-based wastewater treatment: modelling and simulation for enhancing its implementation - Yaiza Tejido-Núñez

P51 - Optimization of operating conditions in the activation of peroxymonosulfato and h2o2 for enterococcus sp. Inactivation: water matrix effect. - Jorge Rodríguez

P52 - Pilot scale experiment using dewatered alum sludge for advanced wastewater treatment - Nuria Oliver

P53 - 5 things you should know about BES. Number 1: What is a BES? - Isabel San Martín

P54 - Pe removal by means of heterogeneous photocatalysis - Estefanía Menárguez

P55 - Wastewater disinfection by pms activation using heterogeneous photocatalysts - Héctor Castellanos

P56 - An energy self-sustainable prototype for post-treatment of secondary wastewater effluent with agricultural reuse purposes - Laura Ponce-Robles

P57 - Synergistic effect of the intensity of radiation and temperature in the inactivation of cryptosporidium during solar water disinfection procedures (sodis) - María Jesús Abeledo

P58 - Gaining further insight into parabens degradation by advanced oxidation processes - Sara García

P59 - Measuring, modelling and improving. A new methodology for the optimum water management in agrofood industries - Tamara Fernández

P60 - Use of surface-functionalized ZnO nanoparticles for preparation of ultrafiltration membrane with antibiofouling properties - Zuzanna Goncukova

P61 - Urban wastewater chemical precipitation treatment by hand with hydroponic reuse - Tânia Aires

P62 - Contaminant transport modeling for risk assesment - Shayan Jamil

P63 - Modeling, study of diagnosis y proposal of action for the urban drainage network of the municipality of leganes - Ester García

P64 - Rapid on-site colorimetric determination of drinking water safety in the developing world - Carlos López



Programa



TALLERES

ONGAWA

Dinamizado por ONGAWA

La ONU ha lanzado, en el ámbito de la gestión del agua, la Consulta Internacional "Privatization and the Human Rights to Safe Drinking Water and Sanitation". En este taller, debatiremos sobre los derechos humanos al agua y al saneamiento por equipos de forma dinámica.

Presentaciones dinámicas

Dinamizado por Pablo Borrega (Habilitips)

¿Por qué unas presentaciones en público te gustan más que otras?

En este taller trabajaremos distintos modelos de comunicación para ordenar mejor tus ideas, diseñar mensajes de impacto, y a detectar tu mejor registro para hacer una intervención en público.

Aprenderemos y pasaremos un buen rato, desarrollando tus competencias profesionales.

Redes sociales

Dinamizado por Luis Martín (@HidroSostenible)

Todos conocemos la importancia de las Redes Sociales y su implicación hoy en día en nuestra vida tanto personal como labora, pero... ¿Sabemos utilizarla correctamente y sacarle el máximo partido? Descúbrelo

Water Xcape Room

Desarrollado por David J. Vicente (CIMNE)

¿A quién no le gusta un buen reto? En este congreso te proponemos salir de nuestro Water Xcape Room. En nuestras redes sociales iremos dando más pistas sobre él



Programa



VISITAS TÉCNICAS

AUTOBÚS 1

EDAR Arroyo Culebro Cuenca Media Alta - 50 personas- (**)

9:15-9:45 h. Quedada en punto de salida. Calle Bravo Murillo, nº49 (***)

10:15 h Llegada a la EDAR. Realización de la visita

12:15 h. Horario estimado de llegada a Madrid

AUTOBÚS 2

Centro de Control - 25 personas- (*)

9:15-9:45 h. Quedada en punto de salida. Calle Bravo Murillo, nº49

10:00 h. Llegada al Centro de Control. Realización de la visita

11:45 h Horario estimado de llegada a Madrid

ETAP de Majadahonda - 25 personas (*)

9:15-9:45 h. Quedada en punto de salida. Calle Bravo Murillo, nº49 (***)

10:00 h. Llegada a la ETAP. Realización de la visita

11:45 h. Horario estimado de llegada a Madrid

AUTOBÚS 3

Tanque de tormentas de Arroyofresno - 50 personas (**)

9:15-9:45 h. Quedada en punto de salida. Calle Bravo Murillo, nº49 (***)

9:55 h. Llegada al tanque de tormentas de Arroyofresno. Realización de la visita

11:25h Horario estimado de llegada a Madrid

(*) Saldría un único autocar con destino a Majadahonda y al llegar allí se dividiría en dos grupos visitando cada grupo la instalación (una de las dos) que se haya inscrito.

(**) Se dividiría en dos grupos para realizar la visita a la misma instalación en dos grupos de 25 personas.

(***) La hora exacta de la quedada se informará una vez se hayan organizado los grupos de las visitas.

