



# UPM IMPACT in SDG6

## Clean Water & Sanitation

### EELISA ACITIVITIES AROUND SDG6

#### Nodulated legumes: a tool for sustainable food production

##### Description

Development of adequate technologies for the manual transport of drinking water for self-consumption from the source of supply to its point of use, especially aimed at countries with low economic resources, scarce water resources and no distribution network. Development of low-cost solutions that will materialize in the manufacture of prototypes of manual transport of water tanks that will allow their study and evaluation in terms of ergonomic aspects of the product for its subsequent implementation in Development Cooperation projects.

Deliverables: End of Degree Project or End of Master Project; Papers in the Cooperation for Development Magazine DistecD; Application for Patents or Utility Models.

Community	WATER in an era of change		
Coordinator	pedro.armisen@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 6 - Clean Water & Sanitation	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	In person
Link	<a href="https://community.eelisa.eu/activities/manual-transport-of-drinking-water-in-countries-without-a-distribution-network/">https://community.eelisa.eu/activities/manual-transport-of-drinking-water-in-countries-without-a-distribution-network/</a>		



## International Open Access Week 2022: What is Open Data, How Does It Support Science?

### Description

Development of adequate technologies for the use of rainwater, especially aimed at countries with low economic resources and a shortage of water resources of another nature. Besides, there will be a development of low-cost solutions that will materialize in the manufacture of rainwater capture and storage prototypes that will allow its study and evaluation in terms of efficiency for its subsequent implementation in Development Cooperation projects.

Deliverables: End of Degree Project or End of Master Project

Community	WATER in an era of change		
Coordinator	mariadelmar.recio@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 6 - Clean Water & Sanitation	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master   bachelor	Teaching mode	In person
Link	<a href="https://community.eelisa.eu/activities/use-of-rainwater-resources/">https://community.eelisa.eu/activities/use-of-rainwater-resources/</a>		



## International Open Access Week 2022: How to Open Science ?

### Description

The activity seeks to promote cross-sectoral, interdisciplinary and, of course, decentralized collaboration to address the challenges of water in the 21st century. The hackathon can be held at a single UPM site, or in a multi-site format that could even include sites of universities in the EELISA community.

The activity is organized around different activities for students, before, during and after the Hackathon event itself. In the first phase, a series of workshops will be held by an interdisciplinary team. Subsequently, the hackathon will be held for two consecutive days, where participants will work on the solutions advised by expert mentors in water issues. The activity will close with a final phase where a committee of experts will choose the best projects. A pre-incubation and development stage of the winning project may be considered.

Community	WATER in an era of change		
Coordinator	jorge.rodriguez.chueca@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 6 - Clean Water & Sanitation	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master	Teaching mode	In person
Link	<a href="https://community.eelisa.eu/activities/hackathon-water-challenges-in-the-21st-century/">https://community.eelisa.eu/activities/hackathon-water-challenges-in-the-21st-century/</a>		



## Supply Chain Resilience Game

### Description

¿Sabes que Canal de Isabel II gestiona el ciclo integral del agua en la Comunidad de Madrid?

¿Crees que se dedican solamente a poner y quitar tubos de las calles?

Si eres estudiante (grado, máster, doctorado) tienes una oportunidad genial para vivir una experiencia única:

Apúntate de forma individual o por grupos de hasta 4 personas, y participa en la Jornada Creativa el martes 18 de abril 2023 en las instalaciones de una de las empresas más grandes a nivel nacional e internacional en la gestión del agua urbana y junto la comunidad de investigación UPM Water y EELISA Water. ¡Y hazlo enseñada, hay 32 plazas disponibles!

**RETO 1:** ¿Sabías que además del agua potable y de las aguas fecales, EXISTEN LAS AGUAS GRISES? Se trata de las aguas residuales domésticas que no pasan por el inodoro (p.e: agua de la ducha, del fregadero, de la lavadora...).

¿Se podría reducir su volumen, su caudal? ¿Qué ventajas tendría?

¿Se podrían aprovechar sus condiciones especiales para buscarles un uso cerca o lejos de las casas?

¿Cómo podríamos descontaminarlas localmente?...

**RETO 2:** ¿Sabías que en las alcantarillas de las áreas urbanas hay un PROBLEMA MONSTRUOSO CON LAS TOALLITAS HÚMEDAS? Sí, hablamos de las toallitas de higiene personal no solubles que terminan inapropiadamente en los inodoros domésticos.

¿Cómo podríamos concienciar a la población para que no las arroje a la taza del wáter?

¿Cómo conseguimos que no se acumulen en las alcantarillas?

¿Cómo conseguimos que se degraden?

Hablemos de economía circular ¿En qué podríamos aprovecharlas cuando se recogen en las depuradoras?

Responde a los profesionales de Canal de Isabel II con tus propias ideas, ya sea las que tengas en mente o las que se te ocurran en la Jornada Creativa.



Community	WATER in an era of change		
Coordinator	upmwater@upm.es	ECTS	1
Kind of activity	Challenge		
Principal SDG	SDG 6 - Clean Water & Sanitation	Others SDG	SDG11 - Sustainable Cities & Communities   SDG 12 - Responsible Consumption & Production
Starting date	2023-04-18	Ending date	2023-04-18
Target group	master   bachelor   phd   researcher   educator   alumni	Teaching mode	In person
Link	<a href="https://community.eelisa.eu/?post_type=eelisa_activity&amp;p=5487">https://community.eelisa.eu/?post_type=eelisa_activity&amp;p=5487</a>		



## ICDAR2023 Competition on Detection and Recognition of Greek Letters on Papyri

### Description

This course/seminar aims to provide students with basic knowledge about the seed coating, present and future applications, and will obtain practicum skills at the laboratory, using this technique as an environmental-friendly tool for improving plant vigor and tolerance to biotic and abiotic stress using bioproducts. The use of bio-coating technique using bio-compounds, will contribute to diminishing current soil and water contaminations produced by inorganic contaminant fertilizers and pesticides, both into forestry and agriculture soils.

Community	Sustainable Food Production (SFP)		
Coordinator	m.berrocal@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 6 - Clean Water & Sanitation	Others SDG	SDG14 - Life Below Water   SDG15 - Life on Land
Starting date	2023-07-05	Ending date	2023-06-14
Target group	master   bachelor	Teaching mode	Blended
Link	<a href="https://community.eelisa.eu/activities/seed-coating-a-sustainable-environmental-friendly-approach-to-improve-food-production/">https://community.eelisa.eu/activities/seed-coating-a-sustainable-environmental-friendly-approach-to-improve-food-production/</a>		