

# Teaching Environmental Awareness with Smart IoT Planters in Learning Spaces [TEASPILS]

## Multiplier Event report

Organiser: Universidad Politécnica de Madrid (UPM)

### E3: National conference in plant-supported learning and digital skills



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## Project information

Acronym:	TEASPILS
Title:	Teaching Environmental Awareness with Smart IoT Planters in Learning Spaces
Agreement number:	2020-1-ES01-KA203-082258
Sub-programme or KA:	KA203 – Strategic Partnerships for higher education
Project website:	<a href="http://www.teaspils.eu">www.teaspils.eu</a>
Project e-mail address:	<a href="mailto:teaspils.euproject@gmail.com">teaspils.euproject@gmail.com</a>
Twitter:	@eu_teaspils
Project period:	Starts on 01/09/2020 and ends on 31/08/2023
Project manager:	Dr. Bernardo Tabuenca
Project coordinator organisation:	Universidad Politécnica de Madrid (UPM)
Consortium Partners	Doukas school (DOU) Hochschule für Agrar und Umweltpädagogik (HAUP) Open University of Cyprus (OUC) Pädagogische Hochschule Wien (PHW) Universidad Pompeu Fabra (UPF)
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# E3: National conference in plant-supported learning and digital skills

## Date

15/10/2021

## Participants

Number of local participants: **31 (f2f)**. There were 18 additional participants online.

## Description of the multiplier event

This event was organized by Universidad Politécnica de Madrid on October 15<sup>th</sup> 2021 at the Assembly Hall of the Real Jardín Botánico in Madrid as a mid-project input and output event. The event was also broadcasted via streaming and recorded for asynchronous attendance. The event was entitled “**Naturalizing learning spaces: challenges and lessons learned with IoT technology**”, and the program included expert presentations on green pedagogy, plant appreciation, data competences and the digital agenda in combination with environmental awareness. The event was a pre-hoc activity that connected to a wider range of public stakeholders like education authorities, policy makers, school leaders, teacher educators, and teachers, thereby building a community of practitioners that can be further involved in the other phases of the TEASPILS project. A list of attendance with names and institutions is available (31 face-to-face participants in the hall; 55 synchronous online participants; potential number of participants for asynchronous future visualizations of the event).



The program involved the following presentations and presenters:

- «**Teaching Environmental Awareness with Smart IoT Planters in Learning Spaces**». **Bernardo Tabuenca**, Professor at the ETSI of Computer Systems of the Universidad Politécnica de Madrid (UPM) and coordinator of the Erasmus + TEASPILS project; **Edmundo Tovar**, Professor at the ETSI Informática and coordinator of the eMadrid project by the UPM. You can find further details, slides, and video recording here <https://emadridnet.uc3m.es/2021/10/15/ensenando-conciencia-medioambiental-en-espacios-de-aprendizaje-con-jardineras-iot-inteligentes/>
- «**Environmental awareness and use of IoT technologies**». **Carlos Gilarranz Casado**, Professor of School at Escuela Técnica Superior de Ingeniería Agronómica, Alimentaria y de Biosistemas and President of the Official College of Agricultural Technical Engineers of the Center; and **Mariano Sánchez García**, Head of the Gardening and Arboriculture Unit of the Real Jardín Botánico-CSIC. You can find further details, slides, and video recording here <https://emadridnet.uc3m.es/2021/10/15/concienciacion-ambiental-y-uso-de-tecnologias-iot/>

- **«Initiatives to improve the environmental quality of the ETSI Industriales classrooms».** Yago Torroja Fungairiño, Professor of the ETS Industrial Engineers of the UPM. You can find further details, slides, and video recording here <https://emadridnet.uc3m.es/2021/10/15/iniciativas-para-mejorar-la-calidad-ambiental-de-las-aulas-de-la-etsi-industriales/>
- **«IoT as a vector of digitization of SmartUniversity to generate healthier and more resilient spaces».** Juan Antonio Rodríguez Rama, PhD candidate at the ETSI Minas y Energía of the UPM. You can find further details, slides, and video recording here <https://emadridnet.uc3m.es/2021/10/15/iot-como-vector-de-digitalizacion-de-smartuniversity-para-generar-espacios-mas-saludables-y-resilientes/>