

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

Newsletter I: September 2021

Project Number: 2020-1-ES01-KA203-082258

### About the Project

The TEASPILS project focuses on creating environmental awareness towards plants and greenery, educating young people and their teachers towards ecological learning spaces. Actions will promote and foster awareness of environmental issues in an educational context. Our approach aims to stimulate knowledge and appreciation of plants close to the people concerned, i.e. in urban indoor and outdoor environments. Especially, the effects of plants in classrooms, offices, homes and public spaces have hitherto been undervalued. The project will target young people from an early age onwards, with students from primary, secondary and tertiary level to learn about potted plants in their immediate vicinity. With this promotion of plant appreciation at a young age, the project intends to lay the foundation of much wider protective attitudes of natural and artificial flora (and fauna).

With a technology-enhanced approach using sensors and visualisations, children will not only learn basic facts about plants, but also about care and responsibility towards them. We use the cascading approach via primary and secondary school teachers, educational leaders, lecturers and support staff to establish a wide-ranging plant supported school climate, as well as measuring and evaluating their impact on learning and social behaviours.

### Partners



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## Intellectual Outputs

- 🌿 O1 SPOC and open online course to foster environmental awareness
- 🌿 O2 Smart IoT planters to collect data in learning spaces
- 🌿 O3 Visualisation Dashboard to show sensor data- mobile and web-based app
- 🌿 O4 Pilot studies with smart IoT planters in learning spaces
- 🌿 O6 Gamification framework to utilize digital sensor evidence for pedagogic environmental awareness



## Kick-off Meeting

On the 12th of April 2021, the project partners organised and held the first part of the project's partner meeting, digitally, due to COVID-19 travelling restrictions.

Partners had the chance to discuss and collaborate in the context of the intellectual outputs, the project management, the dissemination and quality assurance plan.

