

Newsletter #5, HEIDI project

Digital action at HEIs as a catalyst for social change in the COVID-19 crisis

HEIDI announcements

Prize won on a EUSPA hackathon!

From June 29th to July 2nd, The European Union Agency for the Space Programme (EUSPA) organised the **#EUSpace4Ukraine Hackathon** to mobilize the EU Space community and provide solutions to enhance humanitarian support to those fleeing the devastating war in Ukraine. The hackathon was hosted by UltraHack. The **Web2Learn** team contributed with a project called **"Cultural heritage under threat"** along with external collaborators.

The team was awarded the third place in the #EUSpace4Ukraine hackathon, which comprises an incubation period at the Space Academy of EUSPA, a credits award and an invitation to the European Space Week in Prague in October.



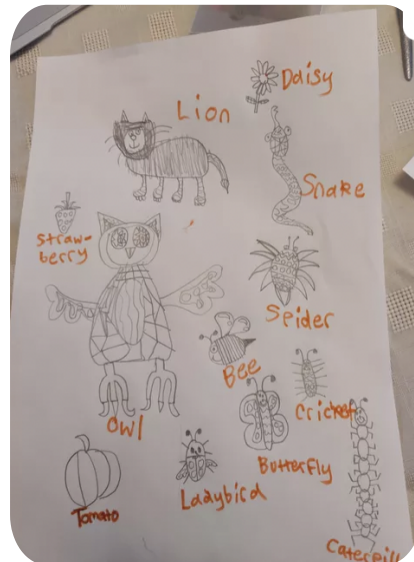
HEIDI - Past events

Webinar on Citizen Science for parents and kids!

On 11th July, **UCL** ran a webinar specially directed at conservation enthusiasts and parents with young children. It focused on the basics of citizen science and how to use **iNaturalist** and was a mixture of extremely short talks and activities. We told a short story for young children about a bumblebee and invited them to draw pictures of wildlife while we held the talks (on citizen science, **iNaturalist** and running outdoor events). We also called a break halfway through in order that participants could go outside and take pictures with **iNaturalist**, then upload them to a **Padlet**. For this webinar, Alice drew on her skills from prior jobs working in schools and science camps to provide a

blend of listening and activity, which built up confidence and encouraged questions and active participation. The main topic of the Q&A was a heartwarming one - a citizen science enthusiast noted that many public citizen science events (and projects!) are likely to attract fewer participants than is hoped, but they are still worth doing, and if one does not get many visitors this does not make one a failure.

Parents were invited to upload their children's wildlife drawings onto the Padlet (as long as no identifying details were shared along with them), and this is a contribution by an 11-year-old in the UK:



SDG Summer School at th LPI!

During the months of June and July, **UP** organized a series of online workshops and an in-person summer school focusing on the engagement of HEI students on the UN Sustainable Development Goals.

In several online events during the last 2 weeks of June, participants met and learned about sustainability issues through a repository of resources, workshops, and peer discussions. Challenges were identified through group sessions, led by facilitators, with particular focus on health, well-being and environmental issues.

These events were followed by a three-day, in-person hackathon in the [Learning Planet Institute \(LPI\)](#), in which participants were invited to discover and test the tools that could be used during the school to answer the challenges presented by the mentors. Participants explored gamification, open-source electronic prototyping tools (arduino, movuino) and other tools from the **LPI MakerLab**.

The whole month of July was devoted to an intensive **28-day challenge-based work**: developing a project, learning about project methodology (design thinking, paper prototyping, etc.) and implementing these ideas using the tools discovered during the hackathon. The days were punctuated by technical workshops (fablab, code, digital fabrication, robotics, laboratory, etc.) and

training in research methodology, business model, reflexivity, documentation, etc.

Finally, the summer school was closed with a public event in which the groups presented their prototypes.

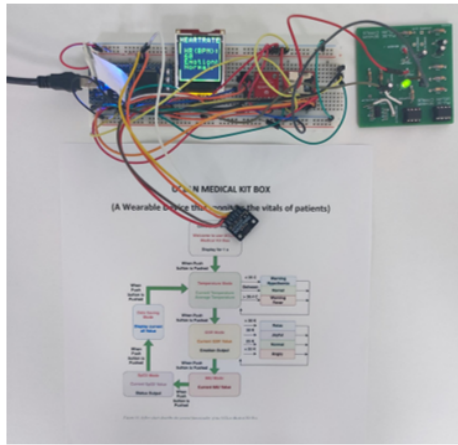


Co-creation of DA Event at CIP

On the 13th of July 2022, **CIP** in association with the University of Central Lancashire in Cyprus (**UCLan**) run the joint event “**Makerspace on Campus: Microcontroller Projects**”. This event was organized as part of HEIDI’s Makerspaces in COVID-19 crisis activities, focusing on the fabrication of artifacts as co-creation opportunities for better societies.

A total of 23 students, civil action actors, professors, and HE staff collaborated and experimented with different Arduino projects on smart agriculture applications. Through a process of hands-on co-creation participants successfully created a wearable device monitoring patients’ vitals. The active engagement and co-participation of HE and civic actors with technological creation, enabled them to further realize their role and potential in providing solutions to problems surfacing in crises through Digital Actions.

We would like to extend our gratitude to **Dr. Stelios Ioannou** (Lecturer, Electrical and Electronic Engineering, UCLan CY) and **Dr. Marios Raptopoulos** (Associate Professor, Electrical and Electronic Engineering, UCLan CY) for their valuable contribution.



HEIDI - What's next

Following from the **co-creation roundtable event** held in May, **UM** is organising a **"Design a Digital Action" workshop**. This event will involve students working on a collaborative creation session of a Digital Action concept, using the arts as inspiration and themed on **Waste in Post-Pandemic Production**. Industry leader David Sciberras from **Invent3D** has kindly offered the use of his maker space and to act as mentor to guide the students through the process of designing their DA, with the **UM** partners on hand for support and biscuits!

The student's Digital Action concept will be presented to an online panel of academics and government stakeholders, which will be followed by an informal Q&A session to discuss the student's concept and process. As we'll be recording the online presentation and Q&A, this will be made available through Youtube and shared as a Message Relay via our media platforms.