



EUROPEAN DIGITAL EDUCATION FOR SOCIAL INCLUSION AND GLOBAL NEIGHBOURHOOD

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ABOUT THE PROJECT

E-DESIGN

The Erasmus+ project “E-DESIGN - European Digital Education for Social Inclusion and Global Neighbourhood” aims at promoting social inclusion and combating social inequalities through strengthening the digital competences of people lacking access to such educational offers in order to enhance their labour market opportunities and social participation. E-DESIGN addresses the challenge to enable future employees to acquire the skills demanded by a fast changing labour market 4.0.

Learn more:

WWW.E-DESIGNPROJECT.EU

EUROPEAN DIGITAL EDUCATION
FOR SOCIAL INCLUSION AND
GLOBAL NEIGHBOURHOOD
NEWSLETTER

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What were we up to?

EILD's implementation of the 2nd ICT Training Hotspot!

Despite the difficulties that had risen due to the Covid-19 pandemic, EILD managed to launch its 2nd ICT Training hotspot in collaboration with the municipality of Metamorfossi, in Attica, Greece.

The first sessions of the one of the two courses, which will be implemented, already took place at the 30th of July. During the first session, the EILD team that attended the event presented E-DESIGN's objectives, goals and anticipated results and the participants had the chance to make questions, in order to better understand the whole process.



Afterwards, the participants completed a questionnaire about the knowledge and skills they already have in the use of ICT tools, which are going to be examined by the trainers, in order to adapt the sessions' material to their needs and expectations.

After a few sessions, the course was paused due to new covid-19 measures taken by the Greek government. The material used for the first sessions was made available to the participants, and with the cooperation of the municipality of Metamorfosi, some online sessions will be realized.

Finally, EILD would like to express its gratitude to the municipality for using its official channels for reaching out and promoting the project to other local authorities and stakeholders. Combining our actions, we are aiming at realizing one of the biggest dissemination campaigns, for promoting the projects' results and ensuring its sustainability, in both national and European level.

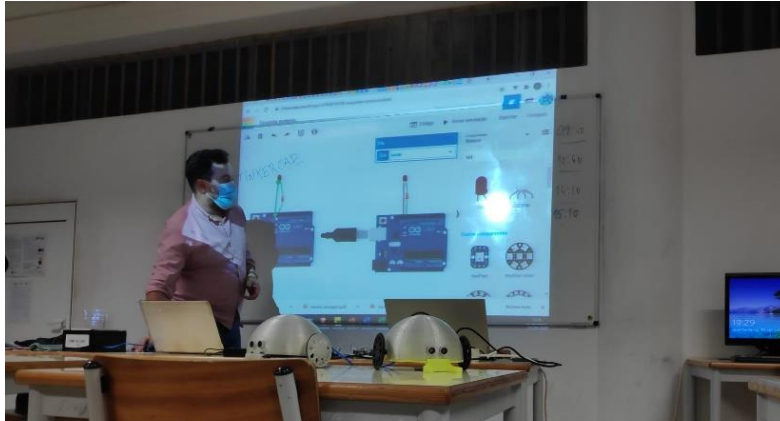
2nd Training Hotspot from CEPROF, in Portugal, has already started

The 2nd Training Hotspot from CEPROF, in Portugal, has already started. While the first one was held at the VET School of Cortegaça, the second is open to the community and is formed by two groups of people, from different regions: one from Espinho and its surroundings, and another one from the city of Ovar.

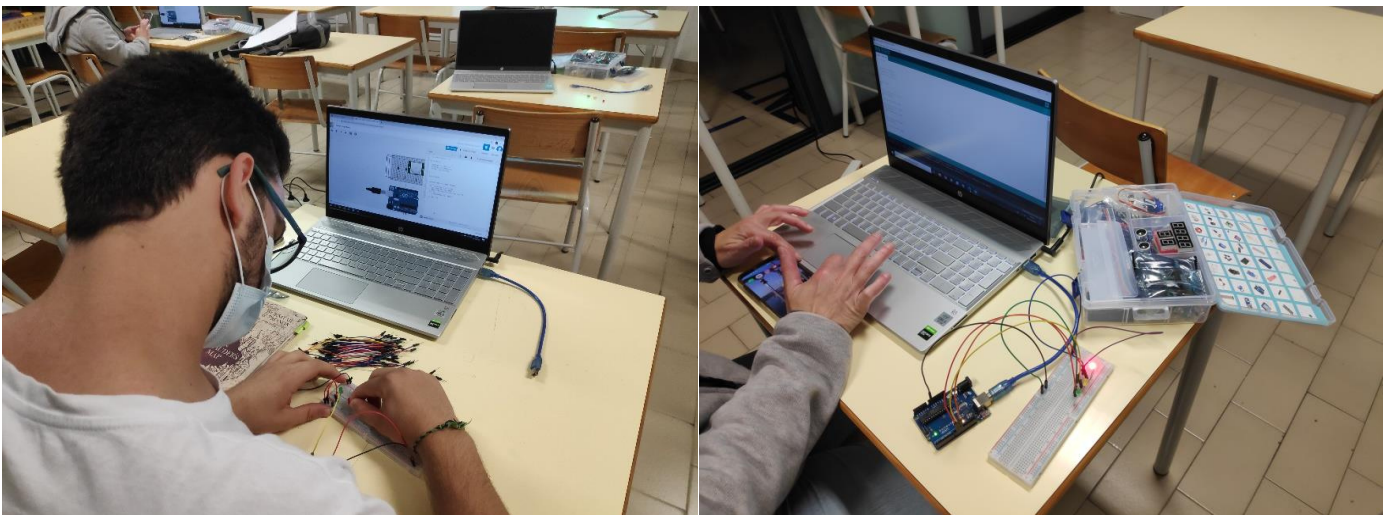
As of now, participants from the 2nd Training Hotspot are learning about Microcontrollers. To introduce participants to the topic, they first learned about the concept behind logical thinking and programming. Although theoretical, this part was very important because it encouraged participants to think of a solution on their own, when they face challenges with programming.



The simulation part came afterwards: by using the software Tinkercad, participants created different circuits, using various components available and suggested by the trainer. Circuits like Traffic Lights, Starting a LED by pressing a button and Light Sensors were some of the most popular circuits that participants developed.



After simulation, it was time to put the knowledge to practice. Thus, participants were encouraged to replicate the simulated circuit they created using physical components.



Soon enough, participants will start with the 3D objects module, in which they will design objects themselves, and even print them using a 3D Printer! So far, the results and feedback are very positive and sessions have been very productive!



2 courses in Palermo almost finished

From the end of September CSC Danilo Dolci started the second round of courses at the ICT-Training Hotspot in the community with Booq, a library and co-working space which moved recently to the city center of Palermo: <https://www.facebook.com/booqpa>

During the first part of the courses, participants developed technical skills in coding Arduino, web development coding languages and an introduction to Internet of Things. Regarding Arduino, participants have been introduced to Arduino sensors and block coding through learning by doing process. Indeed, through different challenges and tools provided by the trainers, the students had the chance to experiment by themselves the Arduino operating principles.



With regards to web development, through HTML and CSS block coding, students practiced creating a web page. Then, they have been encouraged to apply a design thinking process to realize a web page addressed to a specific target, always adding little challenges to get encouraged to learn more. This worked very well and even participants who had difficulties with using a computer at first, managed to build their own simple web pages.

All the activities implemented have been carried out not only to improve participants technical and digital skill, but also to increase essentials soft skills such as creative thinking, team-work and problem solving. Participants, with different cultural and social backgrounds, had the chance to work together and help each other to find new solutions to overcome obstacles.



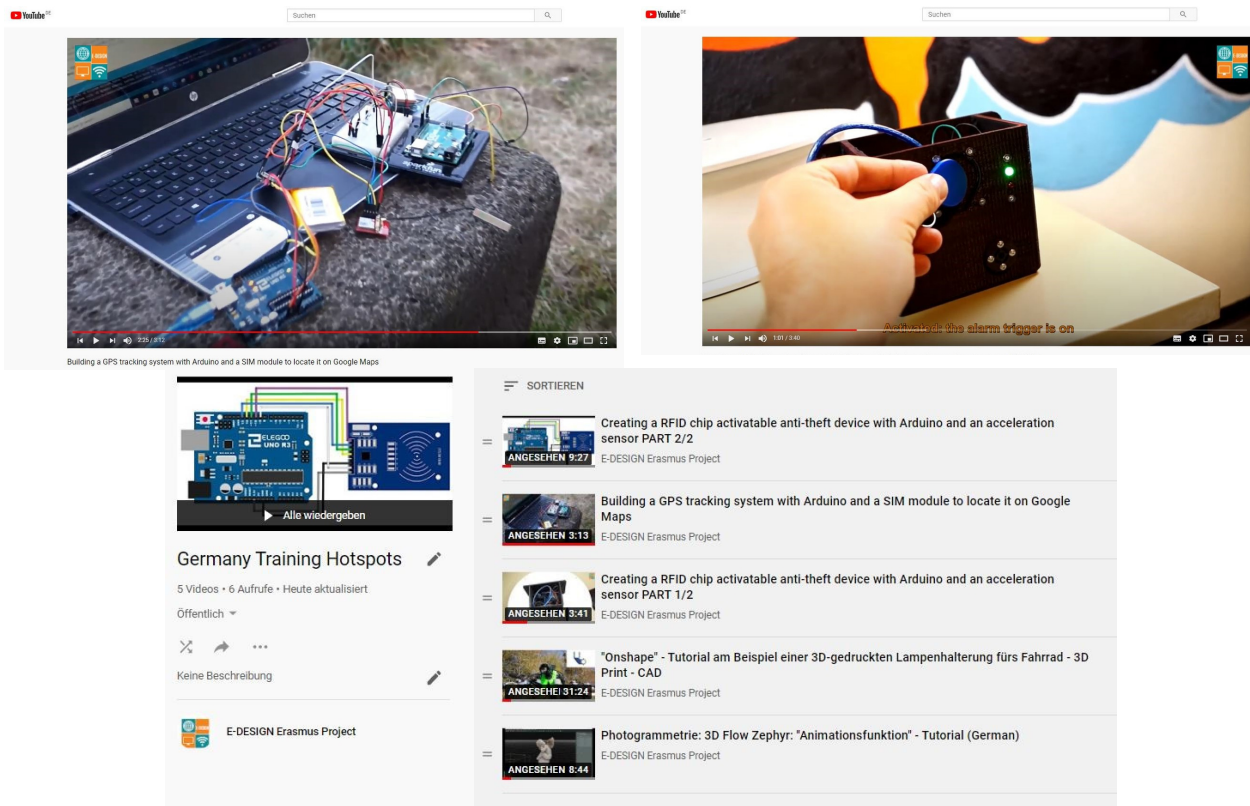
When we asked participants impressions about the course, they all expressed a great enthusiasm for the micro-controller part. At the same time, some of them found the web development part of the course more useful for their career.

During the second part of the course we dedicate the first part of the lessons to brainstorming activities to let the participants think outside of the box to realize creative projects. They all have been very active, and very interesting and innovative ideas came up from their reflections. Ideas for the personal projects include varies anti-theft devices and GPS systems connected to a web interface, an Arduino controlled water irrigation system with the possibility to read the measurements online, a cat food distribution system, and a robot that can record video and be controlled from a distance.



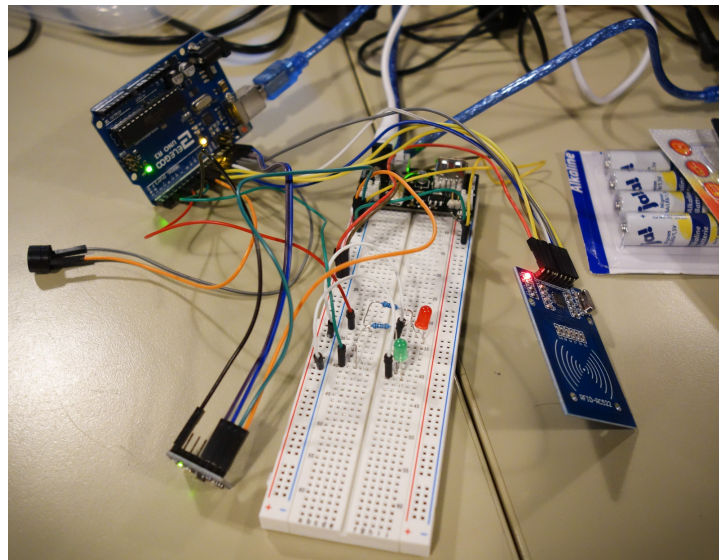
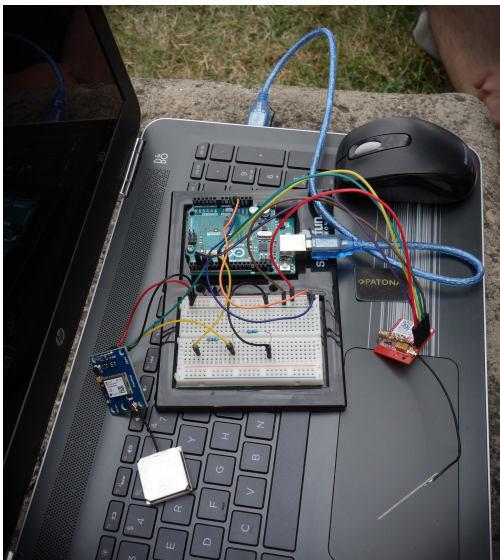
Videos from ZAUG's completed projects

During the first course of the community ICT Training Hotspot in Heuchelheim three very good projects have been completed. Two of the projects can now be watched as videos on the E-DESIGN YouTube Channel. In addition, the used program code and other additional material can be found there. A view is worthwhile in any case! In the upcoming weeks and months, we will upload further exciting project video documentations and also share additional material with you.



Furthermore, two new courses in our new school ICT Training Hotspot at the Clemens Brentano Europe School in Lollar started mid of August: one course focuses on microcontroller projects and one on 3D printing and 3D scanning. The students are excited to experiment with the technology and we will keep you up to date about the project's progress.

We are also happy to start the second course of the community ICT Training Hotspot in Heuchelheim's local Youth Centre this week. So far, 12 sessions are planned to take place on Tuesdays and Thursdays from 4:30 p.m. to 7:30 p.m. We are very excited to see what projects the participants will come up with this time.



Women in the ICT sector in Cyprus and Europe

According to Eurostat's data from 2017, women employed as ICT specialists in Cyprus account only for 14% of the sector's workforce, which makes the profession predominantly male. With this score, Cyprus ranked low in the EU-28, even though Hungary and the Czech Republic both recorded less than 10% of women working in the sector. The European median score was 17% with the highest percentage coming from Bulgaria, with more than 25%.

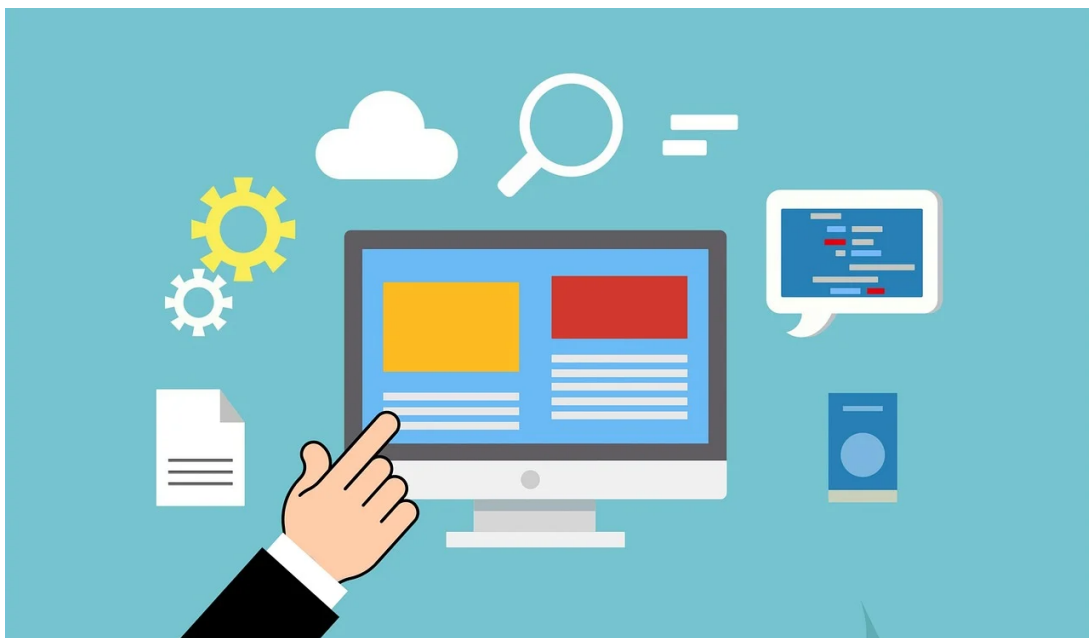


In education, proportions are better. Girls enrolled in ICT courses in 2016 accounted for 26% of the students.

With this number, Cyprus ranked 5th in the EU-28. However, there is no reason to rejoice, as these number remains quite low.

Over the past few years, initiatives and educational programs to tackle this problem have multiplied. On April 9th, 2019, the EU-27 and Norway signed the Declaration of commitment on Women in Digital, with the aim to "raise the political priority of women's under-representation in the digital economy".

In an effort to promote social inclusion, train people in the ICT sector and raise the gender-balance in Cyprus, especially when it comes to women from a disadvantaged background, Citizens in Power is launching a new ICT Training Hotspot by November 30th, encourages women to apply.



The Hotspot, using blended learning methodologies, will focus on the delivery of Web-Development and Microcontrollers courses with an intro in 3D Modelling. The courses will last 12 weeks, at a rate of 4 hours per week and will take place both online and offline. They are also targeted for migrants, refugees, unemployed and locals who are between 16 and 35 years old. If you have a computer of your own, time and interest in the subject, do not hesitate to join us! For further information and applications of interest contact maria.s@citizensinpower.org.

Sources: <https://ec.europa.eu/eurostat/web/products-eurostat-news/-/EDN-20180425-1>

<https://ec.europa.eu/digital-single-market/en/women-ict#:~:text=Only%2017%25%20of%20ICT%20specialists,a%20gender%20gap%20of%2011%25.>

Girls and women under-represented in ICT - Product - Eurostat



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CONTACT DETAILS

THE PARTNERSHIP

The consortium for E-DESIGN – European Digital Education for Social Inclusion and Global Neighborhood is composed of seven very diverse organizations from six different countries: ZAUG and CodeDoor from Germany, CEPROF from Portugal, EILD from Greece, CIP from Cyprus, CSC from Italy and Kauko from Lithuania.



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