



## Empowering girls in STEAM through robotics and coding

The RoboGirls project has successfully completed its life cycle! The past two years have been marked by fruitful discussions, rich learning experiences, and memorable moments with people. The consortium managed to overcome the challenges posed by the pandemic and focused on delivering a high-quality [e-learning platform](#) consisting of:

- A comprehensive guide for Educators with evidence-based research on the current status of STEAM education and gender-inclusive practices.
- A Toolkit with pedagogical material to support educators in implementing STEAM activities with a focus on Robotics and Coding: Lesson plans, experiential workshops, activities for thematic school days
- A career choice simulator to increase girls' self-esteem in the STEM field.
- A Professional Development Course for Educators to enhance their knowledge and skills in the field.
- A Policy and Practice Recommendation report with lessons learned, good examples, practices, and policy recommendations.

### Professional Development Course for Educators

The RoboGirls "[Teacher Professional Development online course](#)" aims to build the capacity of educators to implement hands-on STEAM activities using robotics and other technological tools following gender equality approaches in their school communities.

The course consists of 5 modules:

- Module 1: Modern pedagogies for gender equality
- Module 2: The basics of the STEAM approach
- Module 3: Use of robotics and coding to teach STEAM
- Module 4: Designing a STEAM lesson
- Module 5: STEAM evaluation

Each module requires approximately 25 hours to be completed. The six modules include the following tasks: reading narration parts, watching videos and reflecting, completing additional activities, and undertaking an evaluation activity at the end of the module. Upon completing the online course, participants receive a **certificate** of attendance.



## Policy and Practice Recommendations Report

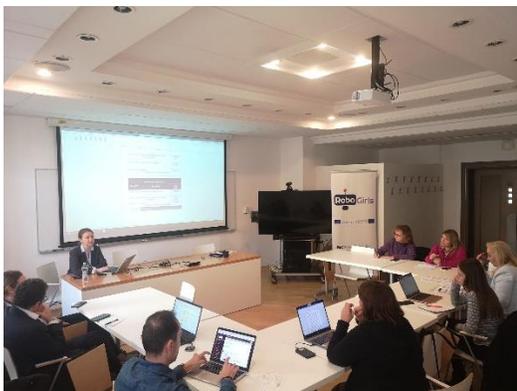
The University of Madrid led the final project result and, with the support of the partners, produced a report with the following key sections:

- Good examples of implementations from each partner country;
- Successes and challenges;
- Recommendations for practitioners;
- Recommendations for policymakers.

The RoboGirls Committee, educators, experts in STEAM fields, female professionals in ICT fields, and relevant stakeholders contributed to the compilation of the recommendation report through national focus group discussions.

## Final Transnational Project Meeting

The last Transnational Partner Meeting of the RoboGirls project was held in Zagreb, Croatia, on November 8<sup>th</sup>. All partners participated and it was an opportunity for us all to reflect on the project's achievements and to discuss what is next for RoboGirls. RoboGirls 2.0 perhaps...



## Final conference

The University of Zagreb (project coordinator) hosted the final conference of the Robogirls project in Croatia on November 9<sup>th</sup>, 2022. The conference welcomed educators, academics, researchers, stakeholders, policymakers, and youth interested in STEAM education. The event focused on the

project's scope, the material developed in the framework of the project, and the research results. Participants also could attend parallel workshops on the different thematic areas.



## What's next?

The consortium will be working on closing the project and ensuring that the learning materials and resources of the project are promoted and shared with the STEM community across Europe. Please remember to visit the project's website and e-learning platform <https://robogirls.eu/en/> to access all of the STEM resources.

## Project Consortium

