



# Professional Development on Teaching Data Science

## HIGHLIGHTS

### DATA SCIENCE FOR STEAM, CIVIC ENGAGEMENT & SOCIAL JUSTICE (AGES 9-15)

- ✓ Understand core ideas of data science literacy within STEAM education
- ✓ Learn how to address civic engagement & social justice through data-driven inquiry
- ✓ Explore high-quality, ready-to-use learning materials
- ✓ Gain insights from classroom implementations across Europe
- ✓ Get introduced to modern digital and AI tools for teaching data science

CIVIC ENGAGEMENT



DESIGNED FOR STEAM TEACHERS BY EXPERTS FROM GERMANY, IRELAND, SPAIN, GREECE, CYPRUS

### 3 DAY ONLINE EVENT:

 2<sup>nd</sup>, 9<sup>th</sup> of February and 5<sup>th</sup> of March

 18:00- 20:00 EET

 Online (link will be provided upon registration)



Reserve Your Spot Now!



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CIVIC ENGAGEMENT



## DETAILS

### *Session 1*

#### Conceptual Framework of Data Science

Appreciate how data science techniques can be used to explore complex societal problems and social justice issues that arise within STEAM contexts

#### Introduction to Data-Centered STEAM education

Advocate for the integration of data science into STEAM curricula to prepare students for a data-centered world

### *Session 2*

#### Toolkits to implement DataScience in the Classroom

Setting good guiding questions, finding good data sets, data moves and on data exploration with digital tools

#### Machine Learning & AI - Data Science Education for Ethical Use & Active Citizenship

Knowledge, perspectives, and practical strategies for introducing data science concepts within the context of (AI) and (ML)

### *Session 3*

#### Applying the DataScEd4CiEn approach in the Classroom and Aligning it to the Curriculum

Share ideas and experiences within a dynamic transnational community of educators

# CONSORTIUM

Certification  
will be provided

DESIGNED FOR  
TEACHERS BY  
EDUCATORS IN  
STEAM, DATA  
SCIENCE AND  
TEACHER  
EDUCATION



✓ University of Münster, Germany

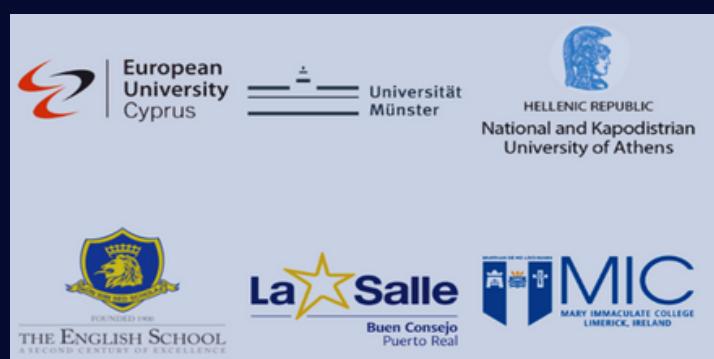
✓ The English School, Cyprus

✓ European University Cyprus, Cyprus

✓ National Kapodistrian University of Athens, Greece

✓ Mary Immaculate College University of Limerick, Ireland

✓ La Salle-Buen Consejo, Spain



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