



GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: 261

Type: **Oral presentation**

Exploring the relation between physics, energy and sustainability with students, teachers and researchers: the Citizen Science School Rome Technopole case study

Friday 4 July 2025 09:40 (20 minutes)

Citizen Science stands out as a highly engaging method that can allow students and teachers to delve into physics research. At INFN Frascati National Laboratory we will organize, in collaboration with European Citizen Science Association (ECSA), the European Citizen Science Academy and Citizen Science Italia, a Citizen Science School addressed to high school students, teachers, University students and researchers focused on Rome Technopole's research macro areas. The working group on Physics, energy and sustainability will provide the opportunity to explore how thermodynamics, and physics in general, are fundamental to create an informed and fertile discussion around sustainability and energy transition.

Education level

All ages

Physics topic

Thermodynamics and Energy

Research focus

Active learning

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Track

Authors: POSTIGLIONE, Adriana; MAZZITELLI, Giovanni; Dr RICCI, Ruggero (INFN - National Institute for Nuclear Physics); CERRATO, Simona (European Citizen Science Association); BERTELLI, Susanna (INFN Frascati National Laboratory)

Presenter: POSTIGLIONE, Adriana

Session Classification: Parallel oral presentations

Track Classification: Informal and non-formal learning (INF)