



GIREP-EPEC
3–7 July 2023
Košice, Slovakia

GIREP-EPEC conference 2023
Physics learning promoting culture
and addressing societal issues

Contribution ID: 35

Type: **Oral presentation**

Interdisciplinary Lesson Study in Italian High School focused on the energy transformations.

Thursday 6 July 2023 14:00 (20 minutes)

This research focuses on the educational experiment of Interdisciplinary Lesson Study, carried out with 15-year-old students in Italy on the energy transformations. The teaching was carried out following the IBSE model of 5E and involving teachers from several disciplines. The theoretical lens used to read the data is the Lotman's idea of Semiosphere revisited in the educational context. It seems that collaborative teaching processes make teachers aware that asymmetry between disciplines can be an engine of knowledge. Moreover, these processes can also improve the teaching disciplinary actions.

How would you like to present your contribution?

Live in Košice (time slot to be allotted based on the programme)

Target education level (primary)

In-service teacher education

Target education level (secondary, optional)

Higher-secondary education

Authors: CAPONE, Roberto (University of Bari); Dr ADESSO, Maria Giuseppina (Da Procida High School); Dr FIORE, Oriana (University of Salerno); Dr DEL SORBO, Maria Rosaria (Da Vinci High School)

Presenter: Dr ADESSO, Maria Giuseppina (Da Procida High School)

Session Classification: Hybrid session - later

Track Classification: Physics teacher education and professional learning communities