



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

Contribution ID: 48

Type: **Oral presentation**

## Equipping the Youth for the 21st Century - Open Data and Scientific Literacy for All

*Monday 3 July 2023 16:20 (20 minutes)*

Our increasingly data-driven societies put pressure on the students' skillsets while schools struggle to fit the demands of global digitalisation into their curricula. Promoting data-based literacy skills in the students' upbringing requires their committed long-term application in meaningful contexts, in which open data from "the real world" of scientific experiments and governmental institutions serves a valuable purpose of increasing the authenticity of the learning experience. We present the case for educational use of open data and integrated programming in developing the students' cross-disciplinary thinking and appreciation of data-analysis. Feedback from teachers and students between 2016-2023 has been very positive.

### How would you like to present your contribution?

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

### Target education level (primary)

Upper-secondary education

### Target education level (secondary, optional)

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