



**GIREP-EPEC**  
**3-7 July 2023**  
Košice, Slovakia

*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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**Track Classification:** Digital technologies in physics education