



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

Contribution ID: 49

Type: **Oral presentation**

The student laboratory Labs4Future: How climate change knowledge can be linked to effective action

Tuesday 4 July 2023 14:40 (20 minutes)

The talk presents the central elements of and thoughts behind the two-day student laboratory Labs4Future. This extracurricular offer for 15-year-old high school students tries to manage the linking of knowledge about climate change with effective individual and societal action. Based on a newly developed theoretical framework Lessons4Future, which integrates environmental psychology, sociology and science education, the talk showcases how we try to transfer the theory into experiments and activities.

Among the presented elements are the Carbon Credits, an area visualization of daily personal and societal emissions, and a Mystery that addresses responsibility for the problem and solutions of climate change.

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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Session Classification: Interdisciplinary approaches

Track Classification: Interdisciplinary approaches and physics in STEM education