



Contribution ID: 110

Type: **Oral presentations**

## **A hands-on STEM project on the drought in Spain: The impact on scientific and green skills of Dutch high school students**

*Friday 30 August 2024 11:30 (20 minutes)*

Dutch high school students often question the relevance of learning physics. Addressing this, a STEM project was initiated, challenging students to use their physics knowledge to tackle Spain's drought issues. The project aimed to enhance skills in problem-solving, technical design, automation, scientific literacy, and awareness of career opportunities in physics, providing a real-world context to demonstrate the subject's relevance and the significance of climate change. The impact was evaluated by comparing students without participation, those who only completed the preparatory project, and those who also engaged in hands-on activities in Spain, showcasing the value of applying physics in real-world scenarios.

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

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

### **Target education level**

Secondary

### **Category**

Non-formal Education

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**Session Classification:** Oral presentations

**Track Classification:** Physics in STEM Education and Interdisciplinary Approaches