



# GIREP-EPEC

Transforming physics learning via Research & Practice  
LEIDEN, 2025

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Type: **Oral presentation**

## Empowering Primary School Educators in Inquiry-Based Learning: Evaluating the Impact of a Training Program

*Thursday 3 July 2025 16:30 (20 minutes)*

Inquiry-Based Learning (IBL) presents significant challenges for educators due to limited experience and inadequate training. This study evaluates a 20-hour professional development program aimed at equipping Primary School teachers with IBL competencies, utilising the Go-Lab platform's tools and methodology. Through data collected in pre-, mid- and post-training assessments, we claim that the program significantly improved teachers' pedagogical knowledge, scenario design skills, and practical application of IBL. Despite the study's limitations, the results highlight the effectiveness of the program in bridging gaps in IBL training, especially concerning Primary School teachers. Additionally, this study will be the basis for informed modifications in future iterations to enhance active participation and teacher engagement.

### Education level

Pre-service and in-service teacher education

### Physics topic

Other

### Research focus

Innovative instructional strategies and pathways

### Research method

Mixed method (qualitative & quantitative)

### Organizing preference criteria

Education level

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**Session Classification:** Parallel oral presentations

**Track Classification:** Instructional strategies & Curricula (INSTR)