



GIREP-EPEC

Transforming physics learning via Research & Practice
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FEDORAS' Academy: STEM education for envisioning sustainable futures

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The present study outlines the rationale, objectives and methodology of the European research project “FEDORAS' Academy” which aims at fostering future-oriented STEAM education for sustainability through the establishment of local and European networks among STEM scientists, teacher educators and teachers to promote interdisciplinarity and open schooling. The goal of the networks is to develop innovative teaching materials for advanced STEM topics as well as assessment tools for fostering sustainability competences such as future thinking, action taking etc. Pilot implementations and teacher mobility actions are expected to facilitate the exchange of good practices and promote sustainability values.

Education level

Pre-service and in-service teacher education

Physics topic

Other

Research focus

Competence-based education

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

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