



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

Contribution ID: 10

Type: **Poster**

School science models of energy and their representation by in-service training

Thursday 6 July 2023 16:00 (20 minutes)

Energy is both a concept of everyday life linked with strong societal issues and an abstract scientific concept particularly complex to teach. Teaching energy requires the use of scientific school models and is facilitated by the use of energy chains. Through guided interviews, models and associated chains proposed by academic trainers (in-service education) have been clarified. These models and their representations are diverse and often diverge from those promoted by research in didactics. In particular, they generally do not take into account the degradation of energy, a property which is nevertheless fundamental to talk about energy in a societal context.

How would you like to present your contribution?

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

Target education level (primary)

In-service teacher education

Target education level (secondary, optional)

Lower-secondary education

Author: TISON, Estelle (LDAR)

Co-author: ROLLINDE, Emmanuel (LDAR)

Presenter: TISON, Estelle (LDAR)

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