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Physics learning promoting culture  
and addressing societal issues

Contribution ID: 85

Type: **Oral presentation**

## Probing a space exploration awareness in a Swedish secondary school

*Tuesday 4 July 2023 14:20 (20 minutes)*

The advancement of space exploration is an important socio-scientific and political issue in Sweden. This study attempts to understand secondary school students' awareness about this national "space ethos" and roles of space technology in their everyday life. Methodologically, this research draws on a sociocultural framework and examines the reflections of 69 grade 9 students in a questionnaire about space exploration consisting of a total of nine multiple choice, short answers and open questions. Students shared awareness and high expectations about space contribution to monitoring climate and environmental problems, providing satnav and telecommunication services, but showed limited understanding about satellite technology.

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

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

### Target education level (primary)

Lower-secondary education

### Target education level (secondary, optional)

Pre-service teacher education

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**Session Classification:** Innovative strategies at school

**Track Classification:** Innovative strategies and pathways to improve physics education at school