

SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)

Lift-Off - Secondary Space Education (2)

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NORDIC ESERO TEACHER TRAINING COURSES AND RESOURCES

Abstract

This paper deals with some of the activities under the Nordic European Space Education Resource Office (ESERO). The ROSE review found that space "is a motivating area of the curriculum". Space education inspires interest and contributes to scientific skills among the young where other branches of education fail to motivate. Through space related areas it is a possibility to find new methods of encouraging young people to opt for scientific or technical studies, but the teachers need to improve their qualifications in Math Science and Technology (MST). The ESERO program established by ESA in different countries is a unique way to use space as an inspiring and educational tool in the teachers science teaching.

In 2013 the Nordic ESERO was established at Andøya Space Center in cooperation with The Norwegian Center for Space-related Education (NAROM) and partners from Norway, Denmark, Sweden and Finland. During the first two years of Nordic ESERO, a total of 788 teachers participated in Nordic ESERO CPD and in-formal teacher training courses. There are developed and performed different web based and field based teacher training courses as formal competence with 10 credits. The field based part has been set up in the Nordic countries, - as close as possible to the participants. All the courses start with the web based part and end with a written examination. The workload for each teacher attending one of the 10 credits courses is 250 – 300 working hours. This paper will show describe how some of these courses are built up. The paper will also present some unique educational resources that has been further developed under Nordic ESERO.