







Combining virtual and remote observing for kids

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Overview

Collaboration between the VO and the remote telescope of the project *stars go to school* (SVAS)

Esploracosmo laboratory: schools can do VO and SVAS at our institute

Synergy with other educational projects, e.g. HOU-EU: remote radio observations at 21cm (Onsala)

Agreement with the University of Trieste: VO and SVAS part of the course of astrophysics of the master degree in Physics



Stars go to school (SVAS)

Two educational telescopes, for night observations (stars, nebulae, galaxies) and solar observations

SVAS telescopes can be managed remotely by students from school or form the Esploracosmo laboratory at our institute







Esploracosmo

Naples, May 2011

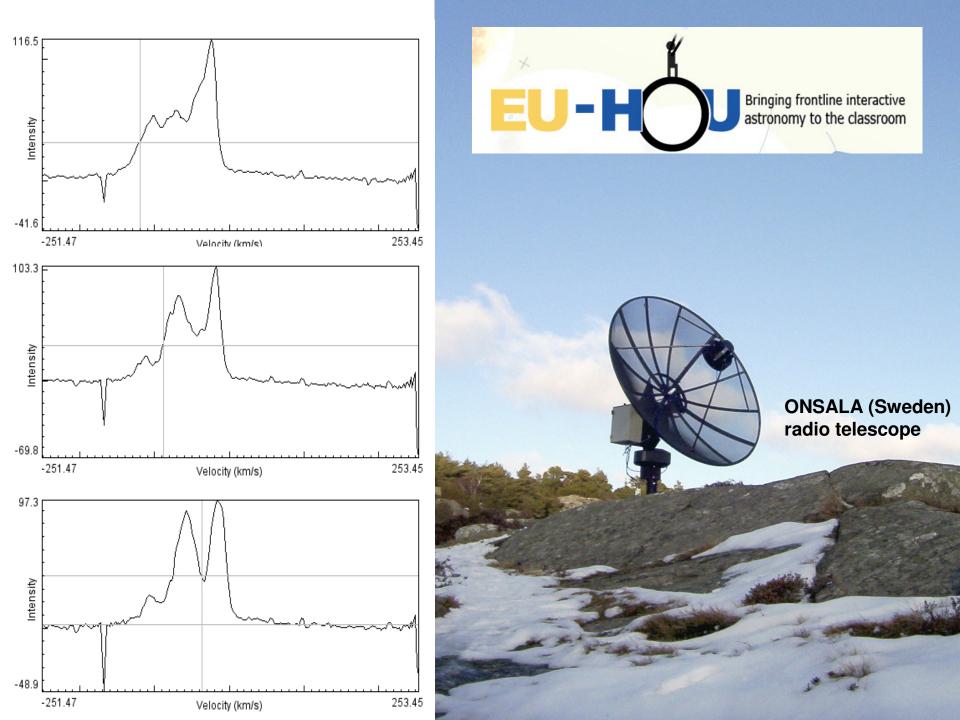
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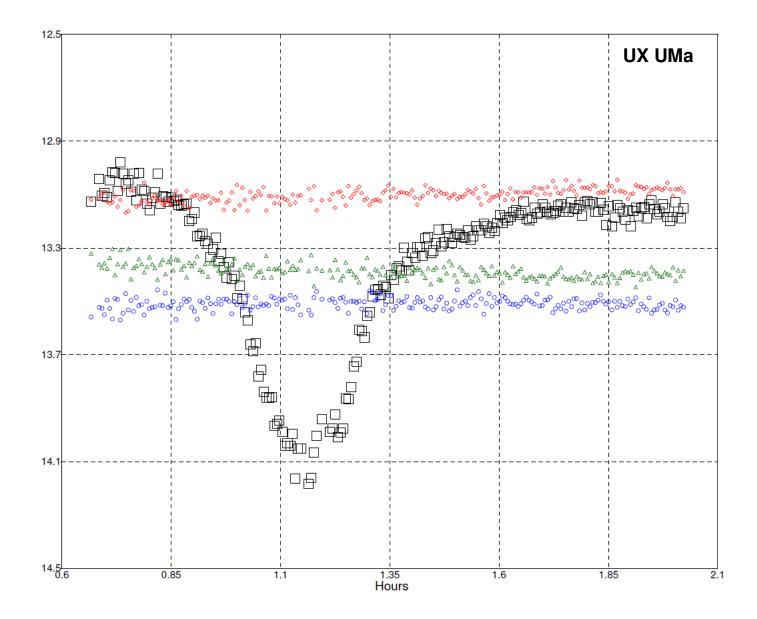
Esploracosmo

In Esploracosmo we combine real (remote) and virtual observing:

- images from SVAS telescopes
- tools and data from the VO
- images from our local archives

Students can not only take images by themselves but, most importantly, they can analyze data using VO tools





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Targets

During the current school year: 500 students from 20 schools, ages 13-18 years

University students of the astrophysics course

"GAG" group of young (high school level) amateur astronomers from Trieste

- VO use cases
- SVAS observations
- Radio observations at 21cm

Conclusions

Many remote educational telescopes are now available around the world

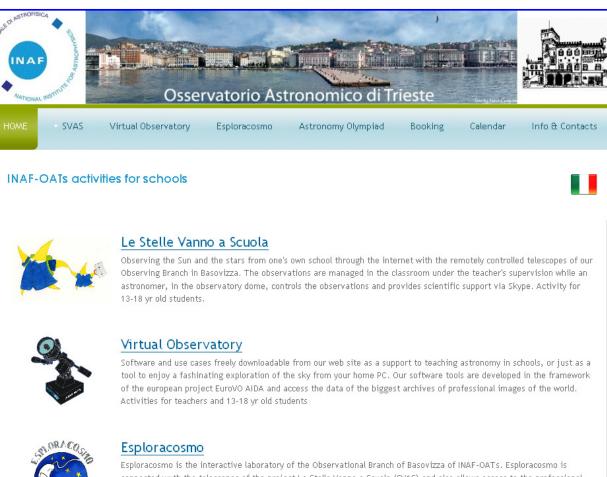
We think remote observing and VO is the winning combination for astronomy education

Teacher and student feedbacks confirm it





http://scuole.oats.inaf.it



connected wuth the telescopes of the project Le Stelle Vanno a Scuola (SVAS) and also allows access to the professional data of the Virtual Observatory, with dedicated software developed in the framework of the european project EuroVO-AIDA. Activity for 13-18 yr old students.

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