



WP4 Outreach towards education and the general public, a report

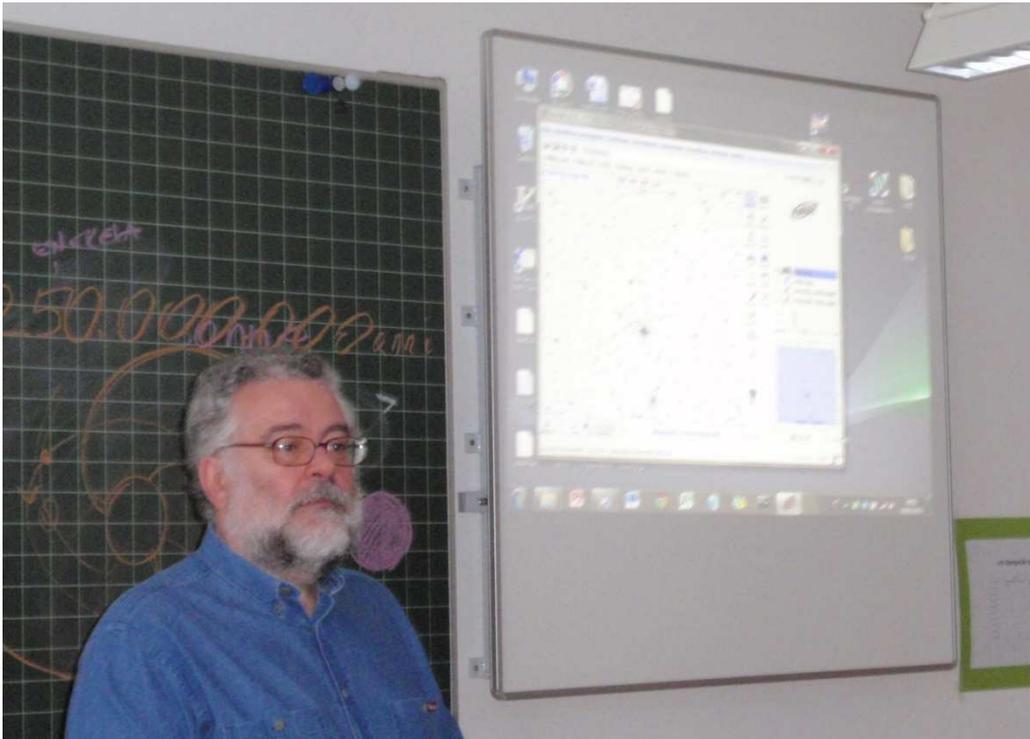
Massimo Ramella

INAF Osservatorio Astronomico di Trieste

CoSADIE Tech Forum 2, Strasbourg, September 2 – 4. 2013

Consolidation of outreach activities

- Two new use cases
 - [Explore the sky](#) w/ Messier using Aladin
 - [Mass of Jupiter](#) using Stellarium
- VO Edu enters elementary schools
- VO Edu schools for teachers



Massimo Ramella -- CoSADIE Tech Forum 2,
Strasbourg, September 2 - 4, 2013

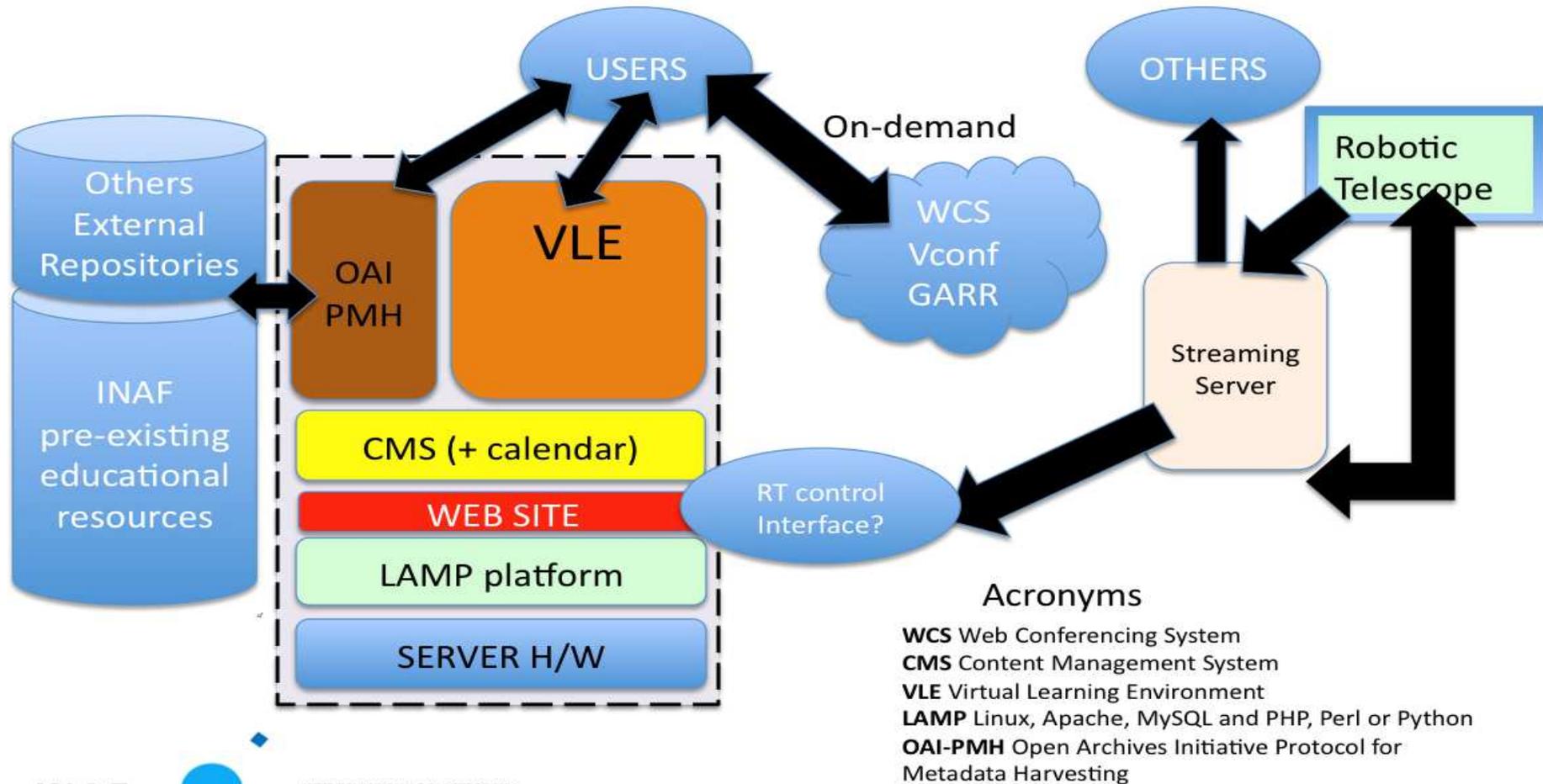


Massimo Ramella -- CoSADIE Tech Forum 2,
Strasbourg, September 2 – 4, 2013

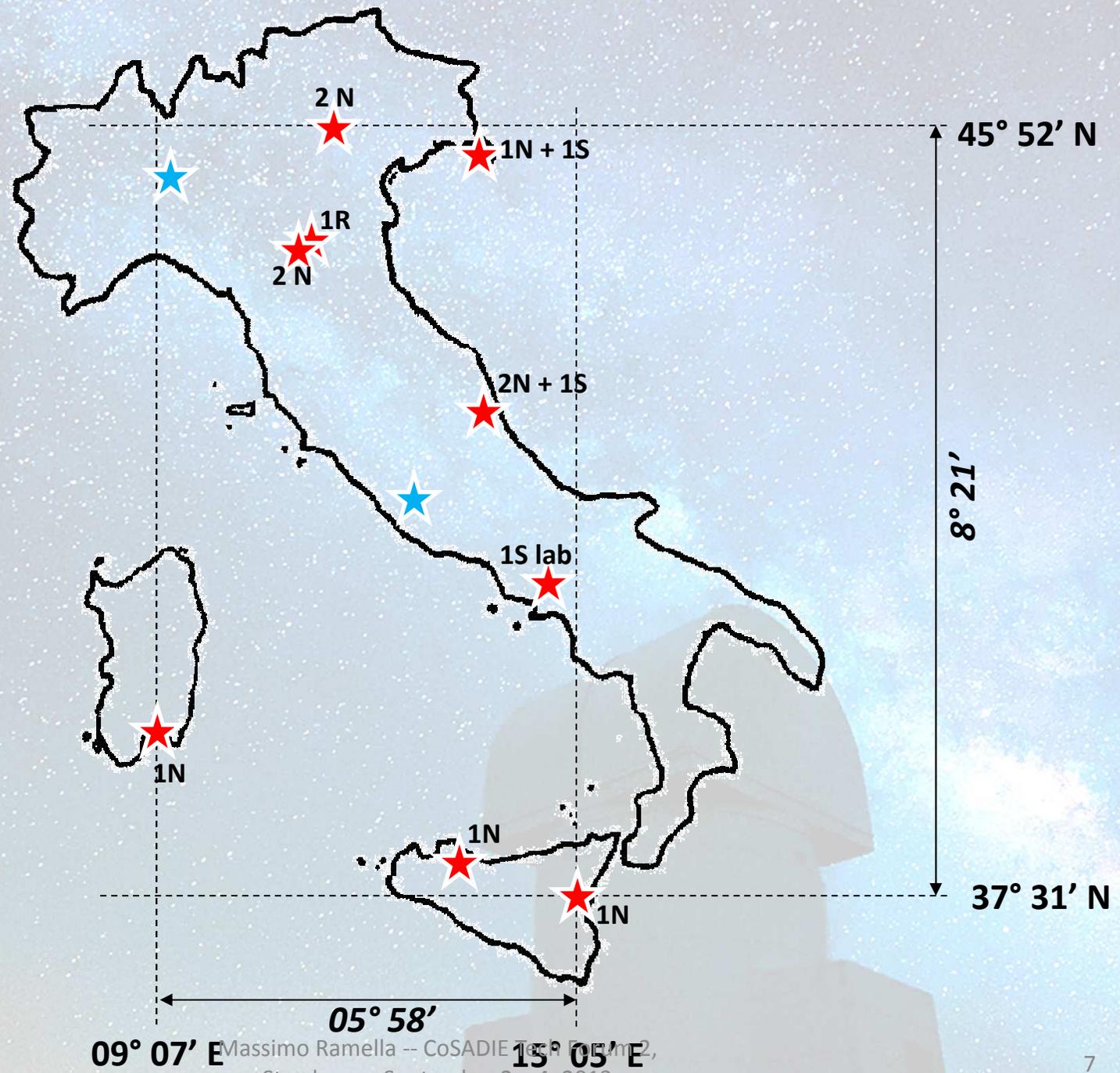
Consolidation of outreach activities

- VO Edu included in major nation-wide EPO projects in Italy (Ministry of Edu funds)
 - REAL
 - Italian network of remote telescopes
 - Italian Astronomy Olympiads
- VO Edu now an Interest Group of IVOA

REAL (Risorse Educative per Astronomia Laboratoriale): WWW.EDU.INAF.IT



UiR - INAF telescopes



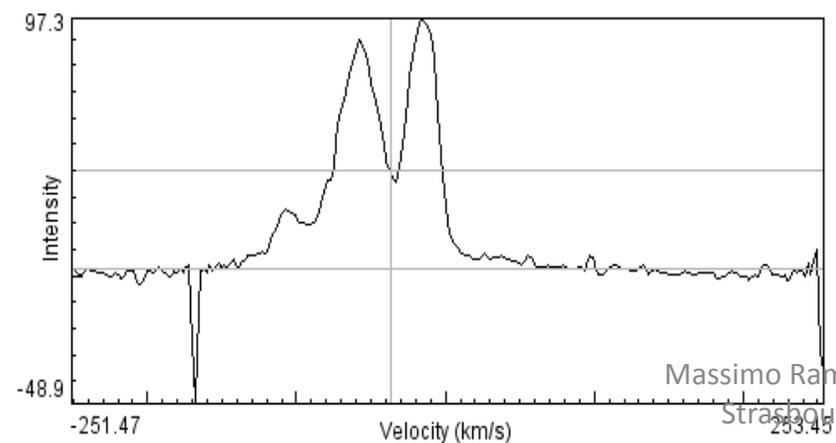
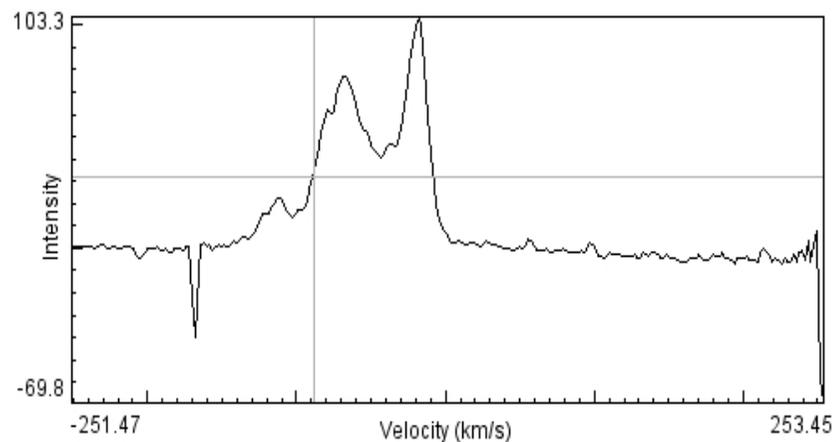
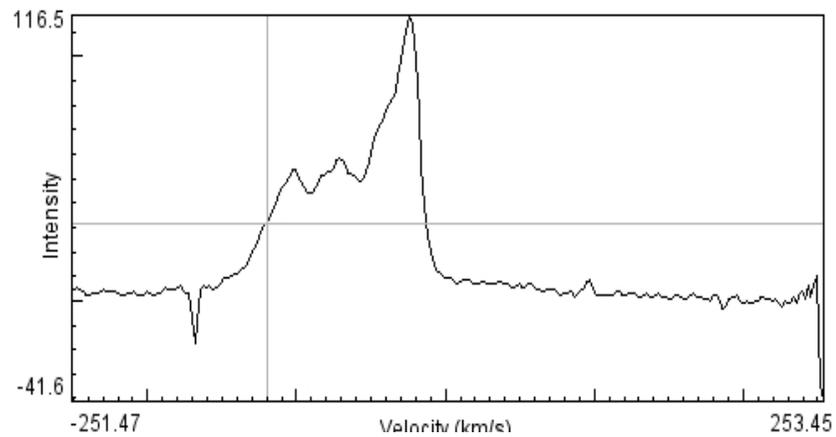
VO & the European EPO Community

VO Edu & EUHOU – MW

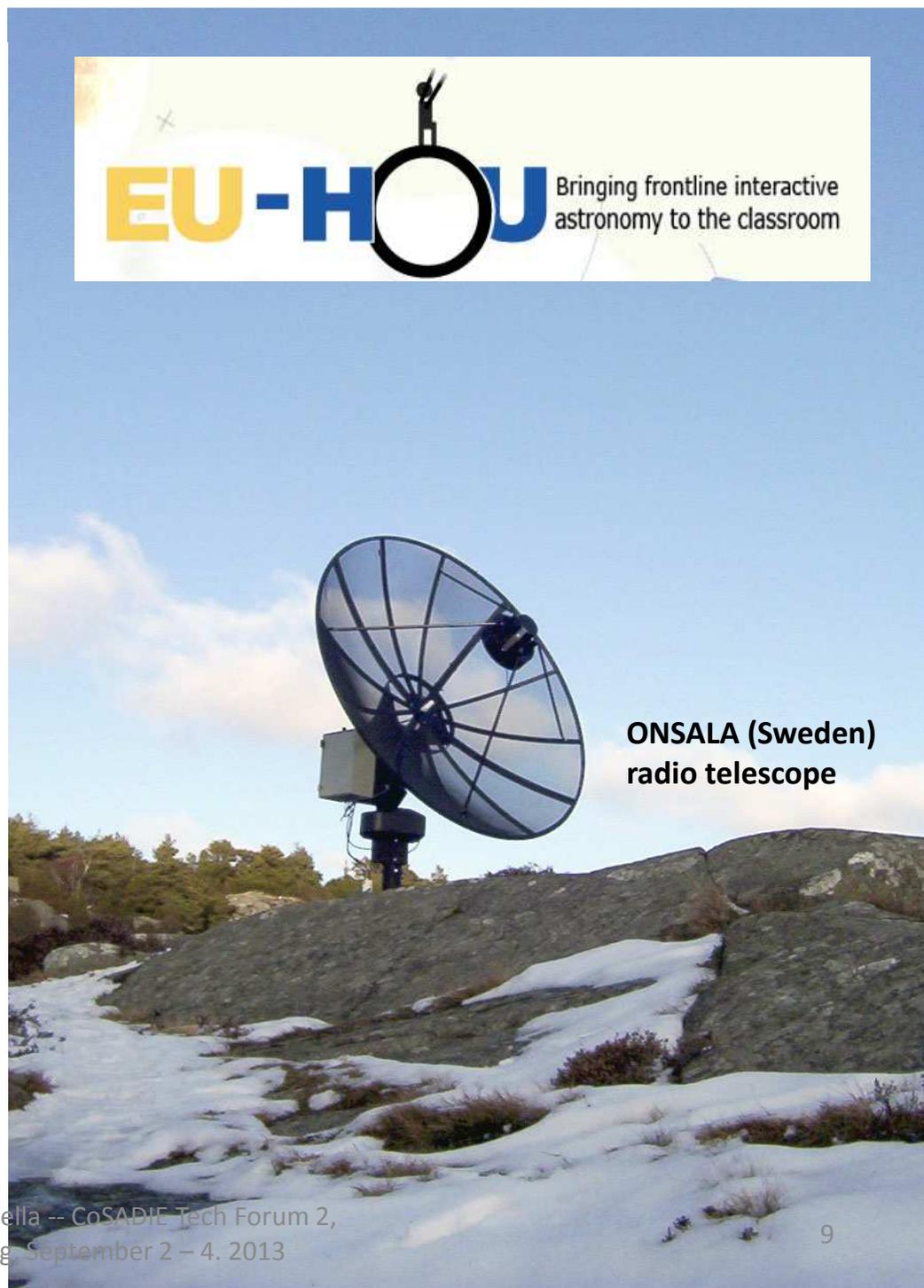
- Initial contacts developed during EuroVO AIDA
- HOU MW a network of Edu Radiotelescopes
- Trieste already collaborates with a HoU Rdiotelescope
- VO invited at theHOU MW workshop, Sep 5-6, Paris

General Common interests:

- Access to data and use of software tools
- Virtual learning best practices
- Strategies to enter the school system

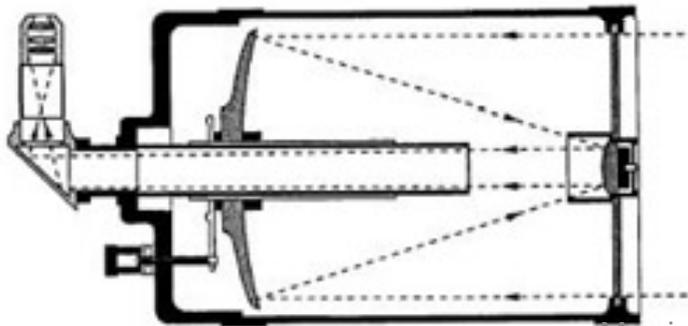
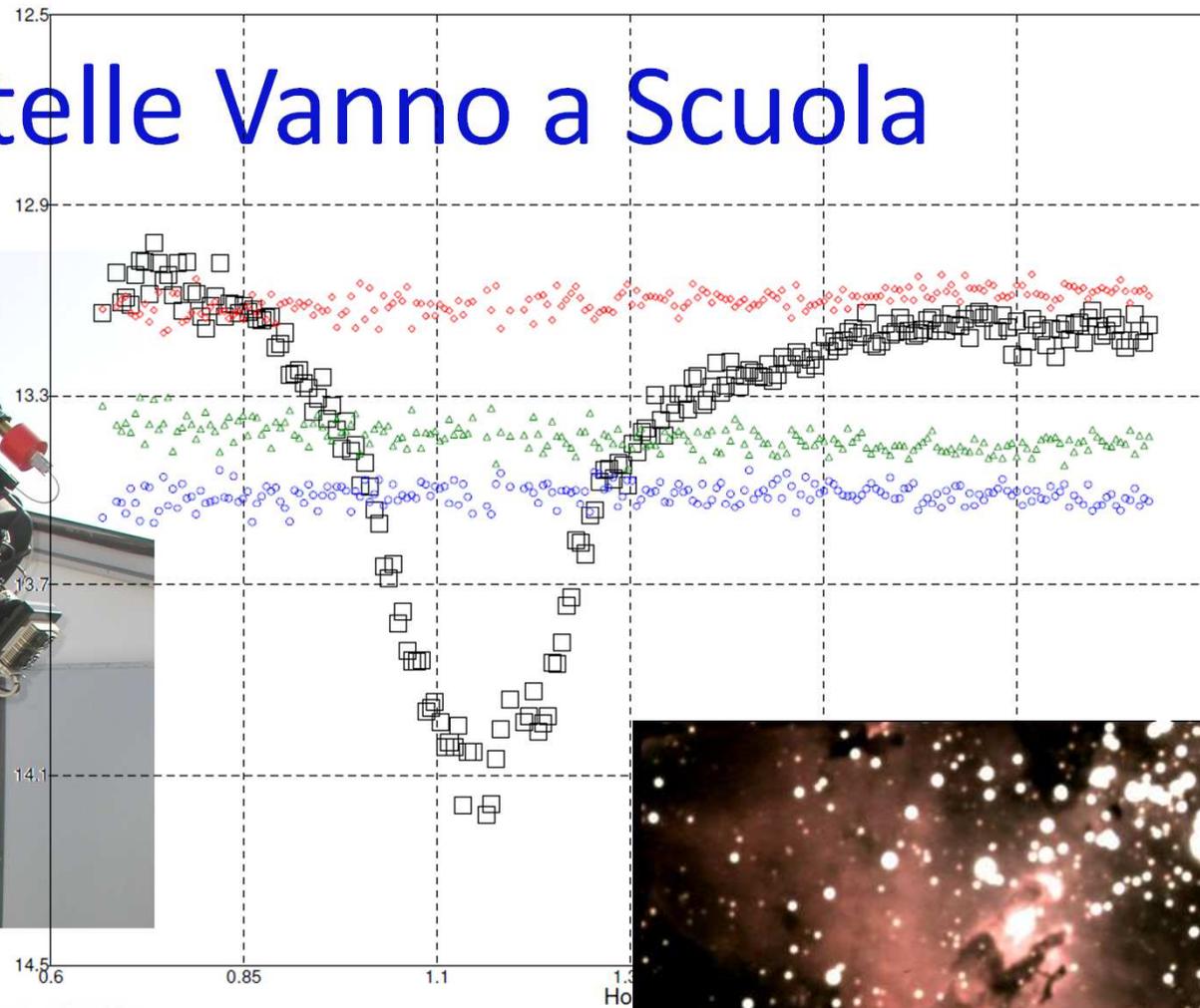
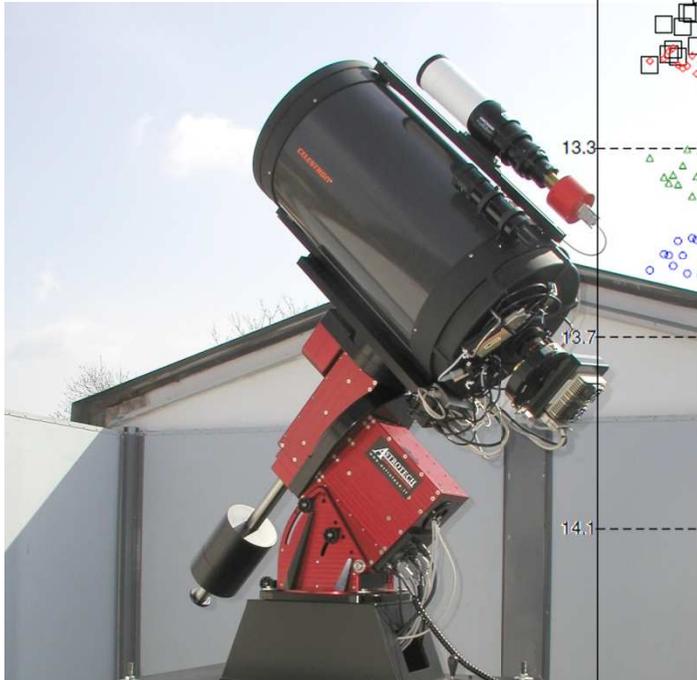


Massimo Ramella -- CoSADIE Tech Forum 2,
Strasbourg, September 2 – 4, 2013



**ONSALA (Sweden)
radio telescope**

Le Stelle Vanno a Scuola



Massimo Ramella -- CoSADIE Tech Forum 2,
Strasbourg, September 2 – 4, 2013

VO for a European Edu Network

VO Edu & the Astronet EPO WG

- VO in Astronet's EPO WG (2013 -> ...)
- Astronet gathers most Eu-EPO projects
- ESO and ESA are Astronet partners

Astronet current mission:

implement 10 [recommendations](#) formulated on behalf of European Astronomy centers/ institutes/ agencies

VO for a European Edu Network

New contacts established through Astronet:

- [Galileo Teacher Training Project](#)
- [EduCosmos](#)

Great interest for using VO data but also for **publishing** Edu data in VO (more in Marco's talk)

Great interest in VO tools

Sustainability

Some key issues:

- Declining political interest toward investing into astronomy in schools
- Time scale for creating a stable structure on individual countries' budgets longer than average EC funding schemas
- Cost of translating EPO products exceeds any current/forseeable funding
- Avoid reinventing the wheel every 3 years (e.g. [Scientix](#))

Sustainability

Two internal (VO) problems:

- As VO tools develop, they are less and less usable without simplifications
- Access, retrieval, display, quick analysis tool is central to VO Edu. **Aladin** needs funds to upgrade in parallel to the professional version.