Goals of the School

Participants* learn how to efficiently use VO tools and services for their research

*including representatives of ESFRI projects involved in ESCAPE

Participants share their requirements and feedback, so that we can:
improve the tools
improve training

Organisation

6 tutorials in 3 days - online on zoom

⬇

1 week asynchronous work on participants' projects

⬇

1day presentations from participants

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Program

Introduction to ESCAPE and the VO

CDS intro tutorial
(CDS Portal, SIMBAD, Aladin, VizieR, X-match)

Transient events exploration
(Topcat, VOSA, SVO Disc Tool, SPLAT-VO)

Gaia data in Topcat & Stilts

Exploring large catalogues with HiPS & MOCs
(Jupyter notebook)

Accessing and cross matching of big data sets with ADQL

Electromagnetic follow-up of gravitational-wave events
(Aladin, MOCs)

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Tutors

Various roles:

Tutorial design and presentation

Scientific & technical discussion

Back-up support on zoom

One-to-one meetings and mentoring for participants' projects

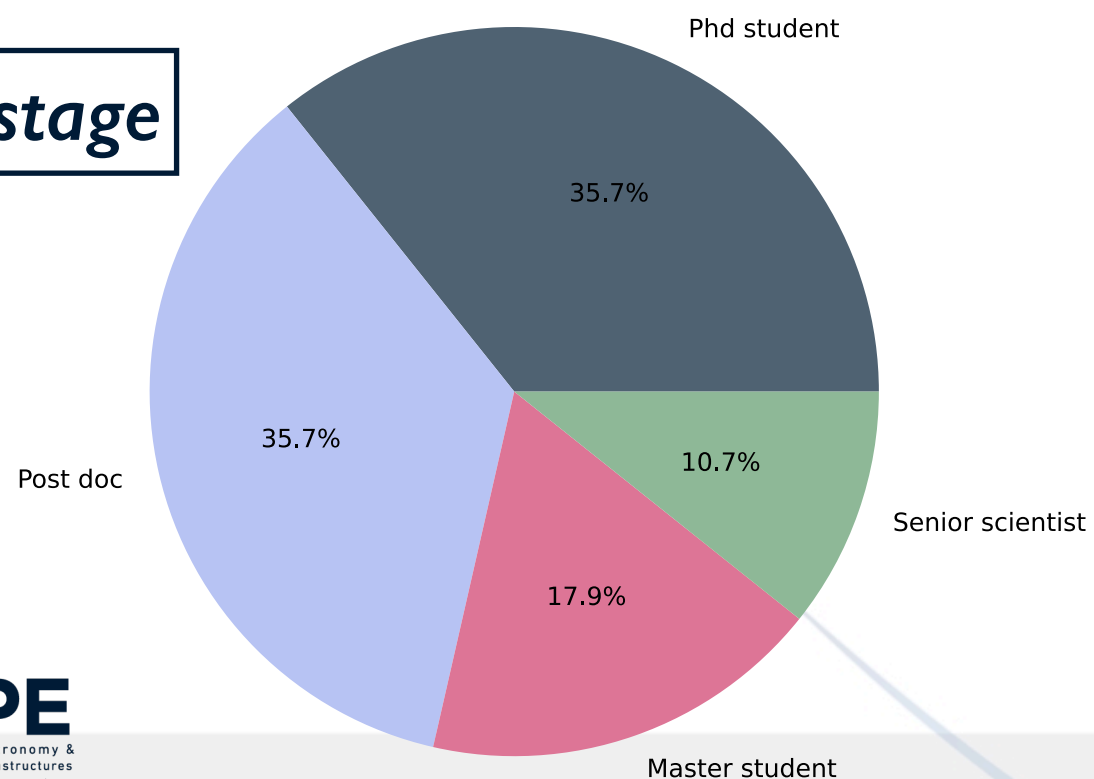|	
Mark Allen	Centre de Données astronomiques de Strasbourg
Stefania Amodeo	Centre de Données astronomiques de Strasbourg
Sara Bertocco	Istituto Nazionale di Astrofisica - Trieste
Miriam Cortés Contreras	Spanish Virtual Observatory
Patricia Cruz	Spanish Virtual Observatory
Markus Demleitner	German Astrophysical Virtual Observatory
Sébastien Derriere	Centre de Données astronomiques de Strasbourg
Giuseppe Greco	Istituto Nazionale di Fisica Nucleare - Perugia
Hendrik Heinl	Centre de Données astronomiques de Strasbourg
Fran Jimenez-Esteban	Spanish Virtual Observatory
Belén López	Spanish Virtual Observatory
Marco Molinaro	Istituto Nazionale di Astrofisica - Trieste
Ada Nebot	Centre de Données astronomiques de Strasbourg
Ricardo Rizzo	Spanish Virtual Observatory
Enrique Solano	Spanish Virtual Observatory
Mark Taylor	Bristol University

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30 Participants

Research fields

Debris disks, exoplanets
star/planets links
stellar evolution
Stellar evolution
Galaxy evolution
galaxy evolution
Stellar masers
Solar Physics, Radio Astronomy,
Solar Physics
Planetary
Gravitational Waves / Cosmology
Asteroids
radio galaxies, galaxy evolution
Study of Astrophysical Phenomena in Variable Stars and Binary Systems in the Main Sequence
Stellar evolution, Massive Stars
Radioastronomy, High energy astrophysics (fast radio bursts, pulsars), Astroinformatics
Low-mass, brown dwarfs, exoplanets
extragalactic transients and extragalactic star-formation/AGN connection
Interstellar medium, stellar population
Stellar evolution, Brown Dwarfs, Ultracool Dwarfs, IMF, Deep Surveys
Multimessenger with Gravitational waves
Shock-powered optical transient sources with the VERITAS telescope
solar physics, solar activity, solar cycles
Galaxy science: gamma-ray binaries, their broadband emission
cosmology, astroparticle physics, dark matter
Galaxy structure and high-energy astrophysics
Stellar evolution and evolution, radio observations

Country

Leaflet | Data by © OpenStreetMap, under ODbL.

Career stage

Phd student 35.7%
Post doc 35.7%
Master student 17.9%
Senior scientist 10.7%

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Funded by the European Union's
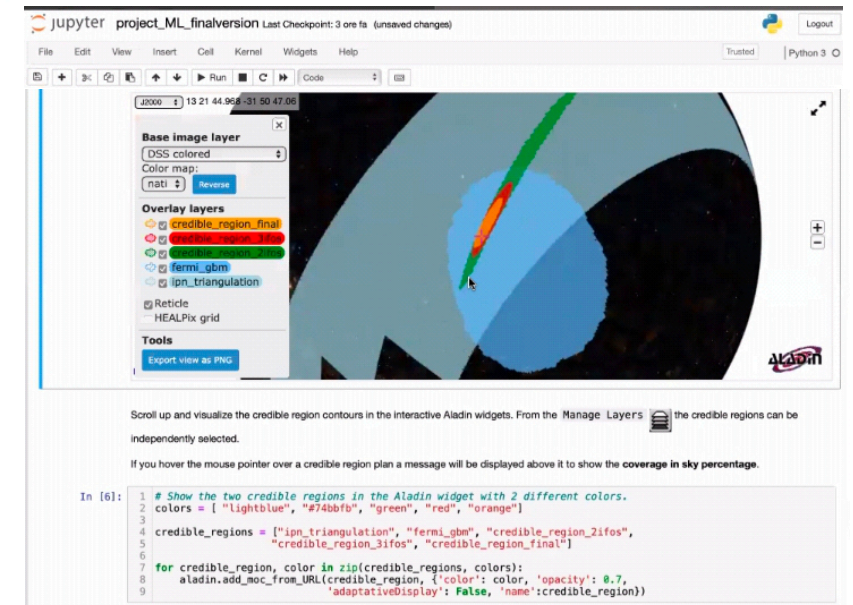Horizon 2020 - Grant N° 824064

Participants' projects

Using VO tools and citizen science to search for X-ray treasures
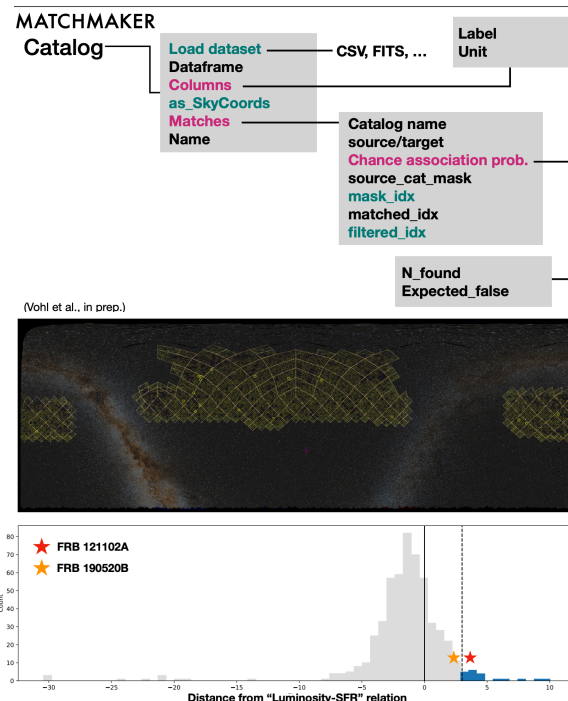
Searching for runaway massive stars using VO tools

Multi-messenger astronomy in the context of the VO framework

High-energy data exploration with the VO

Project by ML Brozzetti

Project by D. Vohl

Transient alerts with the VERITAS telescope

Towards Kazakhstan Virtual Observatory using data archive of the Fesenkov Astrophysical Institute

VO, FRBs & PWNs at low frequencies

All-sky brown dwarf search

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Feedback

Have you used VO tools and services before the school?

Answered: 22

A. Yes: 16 (72.73%)

B. No: 6 (27.27%)
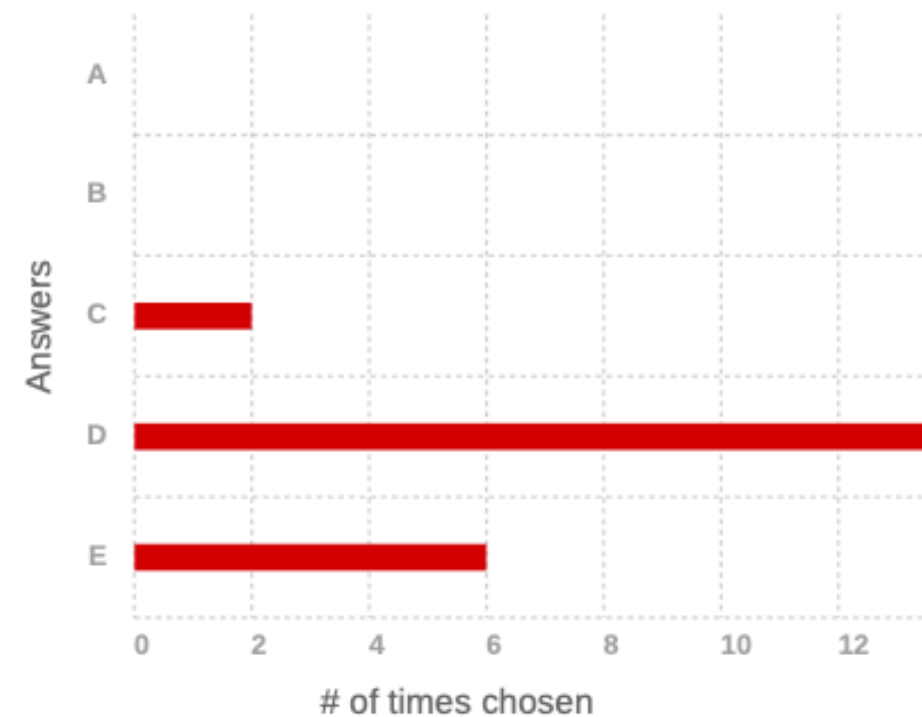
How would you rate the school overall

Answered: 22

A. Poor: 0 (0.00%)

B. Satisfactory: 0 (0.00%)

C. Good: 2 (9.09%)

D. Very good: 14 (63.64%)

E. Excellent: 6 (27.27%)

Feedback

For each tutorial: level of difficulty, usefulness, time allocated, open comments

Excerpt of general comments:

A hint what is applicable for use within our solar system would have been nice.

In some tutorials there wasn't enough "do it yourself" time between the steps to keep up with the tutor because I haven't worked with some of the platforms before. But in overall it was very interesting.

I have some trouble to organise all the windows on my pc to follow the tutor and run on my pc, maybe in presence this problem do not appear

I was amazed to learn so much things hands-on! Having tutors for our projects is also very nice.

I think the school is very well organized. Tutorials have been clear, illustrative and helpful. Thanks a lot!

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2nd ESCAPE-VO School

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