







IAU Office of Astronomy for Education Center Italy: cosa è, cosa fa, perché lo fa in quel modo

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INTERNATIONAL ASTRONOMICAL UNION

IAU – International Astronomical Union Founded in Rome 1919 About 13000 individual members Countries: 92



IAU Strategic Plan 2020–2030



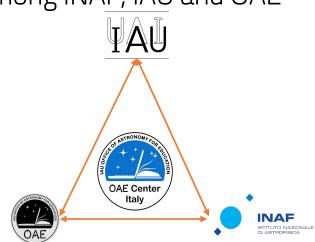
- OYA Young Astronomers, Oslo
- OAD Development Cape Town
- OAQ Outreach Tokyo

• OAE – Education – Heidelberg



OAE Center Italy: what....

- OAE Center Italy was established in 2021 thanks to a MoU among INAF, IAU and OAE
- OAE Center Italy is an IAU international office
- It's part of the IAU Office of Astronomy for Education



- It is hosted and supported by INAF
- It's a **diffuse office**, with formal hq in OAR

OAE Center Italy: people



Annual budget provided by INAF 140 Keuro/yr

FTE 5.5-5.8

Manager: Stefano Sandrelli

Deputy: Livia Giacomini

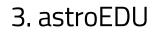
Officer: Federica Duras; Gloria Tirabassi

Focus areas

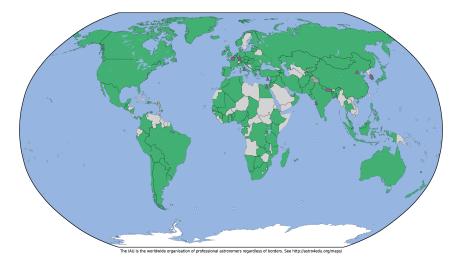
1. International activities in the Mediterranean region

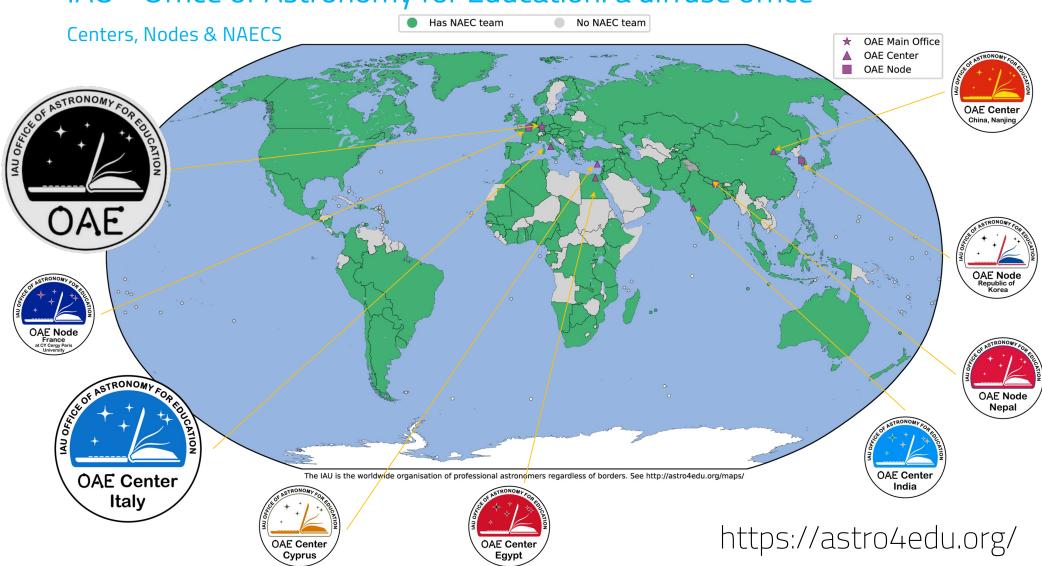


2. International Person-centred learning practices



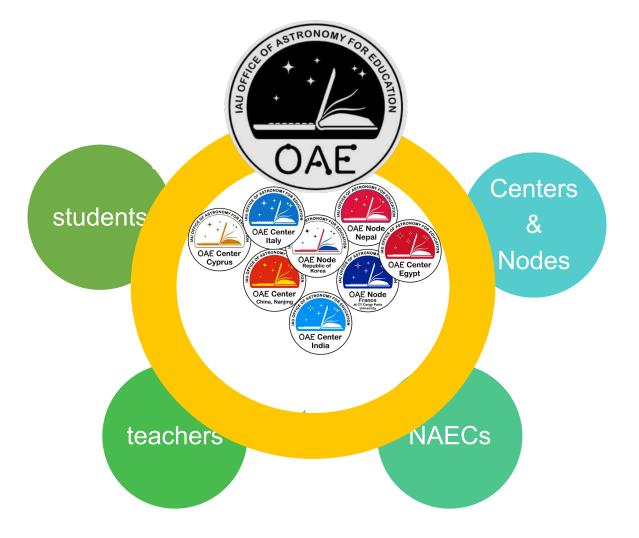






IAU - Office of Astronomy for Education: a diffuse office

IAU - Office of Astronomy for Education: a diffuse office



National Astronomy Education Coordinators Italy: people



CAE
Newsletter NAEC-Italia
bbonati alla nostra newsletter e resta aggiornato su nuove ttività educative per la didattica dell'astronomia!
nserisci il tuo indirizzo email per iscriverti*
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dica qui il tuo nome
Accetto le condizioni generali e di ricevere le newsletter
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Utilizziamo Brevo come piattaforma di marketing. Inviando

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CHE COSA FA I-OAE

- 1. Teachers' training
- 2. Production of peer-reviewed resources for teachers/students
- 3. Organization/coordination of:
 - I. co-design/collaborative participation projects
 - II. meeting/workshop/summer school
 - III. Outreach events
 - *IV. JEDI* justice, equity, diversity, inclusion initiatives

In collaborazione o meno con: OAE, altri centers/nodes, NAECs italiani o meno



Bottom-up process

Building a community education



Teachers' Training

TTP In collaboration with OAE Heidelberg, Italy, India

Coordinatrice: Stefania Varano

Call for Proposals at the IAU Office of Astronomy for Education



Teacher Training Program (TTP) 2024

The OAE invites and encourages anyone working in astronomy education together with their National Astronomy Education Coordinators (NAECs) to submit proposals for financial support of up to **2000 Euros** per project, to host a teacher training and professional development workshop in 2024.

This dedicated grant requires a collaboration between at least one NAEC team member of a particular country, a local teacher and, where possible, a local astronomer.

For more information on the eligibility criteria, rules, application form and all important dates, please visit our website: https://astro4edu.org/ttp/

Application deadline: 15 April 2024

If you have any questions contact us at: ttp@astro4edu.org



Teachers' Training

ITP@Canary Islands

In collaboration with CERN & INAF & Fund. Galileo

Resp. Scientifico: Adriano Fontana



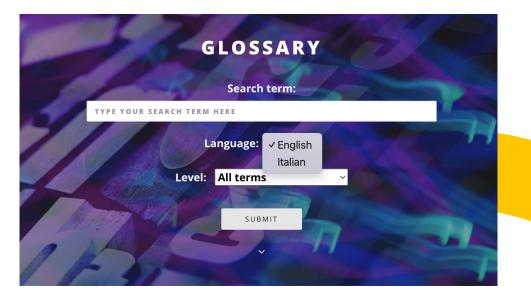


Resources

Astro Glossary

In collaboration with Centers & Nodes

translated/approved English 402/402 Italian 402/263(+6) Arabic 81/1 French 367/33 Chinese 401/0 German 401/0 Spanish 27/3 Portuguese (BR) 45/0 Portuguese (PT) 1/0 Persian 29/0



The IAU OAE glossary contains definitions of astronomical terms that will often appear in educational contexts. Definitions are written by astronomers and reviewed by astronomers and teachers to ensure they are correct and easily understandable. Translations are written by astronomers fluent in the chosen language and reviewed by astronomers and teachers fluent in that language.

GLOSSARY TERMS

Coordinarmento: Giuliana Giobbi

Resources

astroEDU



FEATURED ACTIVITIES







https://astroedu.iau.org

Livia Giacomini **Editor-in-Chief**



Since September 2023: a new activity published each month !

>150 activities in three languages

3 versions (English, Italian and Spanish)... and other 2 versions coming soon!



The Sun in our box Orion constellation in the Sun in our box Orion constellation in the Sun in our box How do telescopes work? Can you find the work? The Sun in our box Orion constellation in the sun in our box How do telescopes work? Can you find the work? The Sun in our box Orion constellation in the sun in our box How do telescopes work? Can you find the work? The Sun in our box Matter in the sun in our box Matter in the sun in t

Who is using it? Teachers; students; parents; researchers; Public outreach Officers

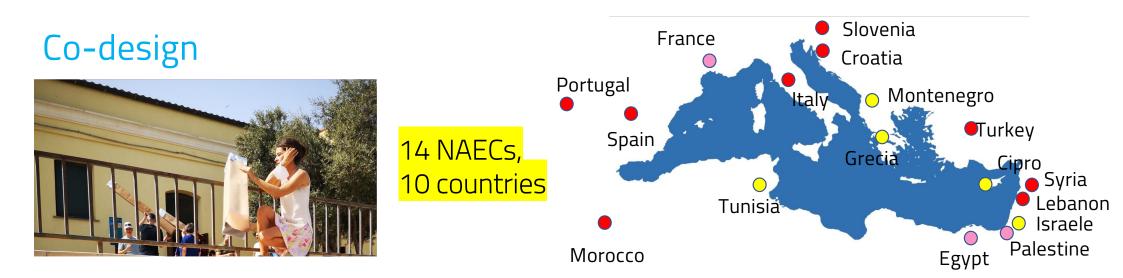




https://astroedu.iau.org







MIRTO-STEAM Med



PROTECT NOT

BORDER

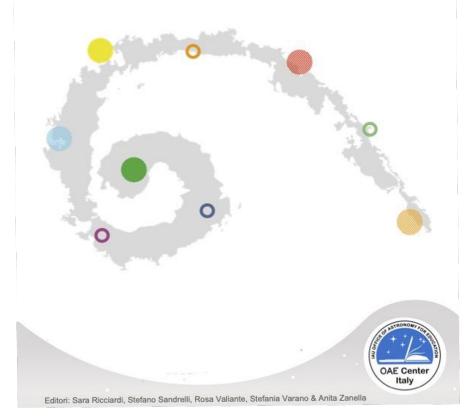
Output

ΨÂŬ

STEM-MED: a co-design project in the Mediterranean ITALIANO

Autori & Traduttori:

Muhammad Alassirry, Tareq Alkhateb, Silvia Casu, Hassane Darhmaoui, Rosa Doran, Giuliana Giobbi, José Gonçalves, Andrej Guštin, Damir Hržina, Turkieh Jbour, Emin Karabal, Mert Koçer, Hatim Madani, Claudia Mignone, Sara Ricciardi, Stefano Rini, Jean-Pierre Saghbini, Stefano Sandrelli, Stefania Varano, Fabrizio Villa, Aysegul Yelkenci, Korhan Yelkenci, Anita Zanella, Alessandra Zanazzi, Marc Bou Zeld



STEM-MED: a co-design project in the Mediterranean ENGLISH

STEM-MED: a co-design project in the Mediterranean FRANÇAIS

مشروع بتصميم مشترك بين دول المتوسط : STEM-MED

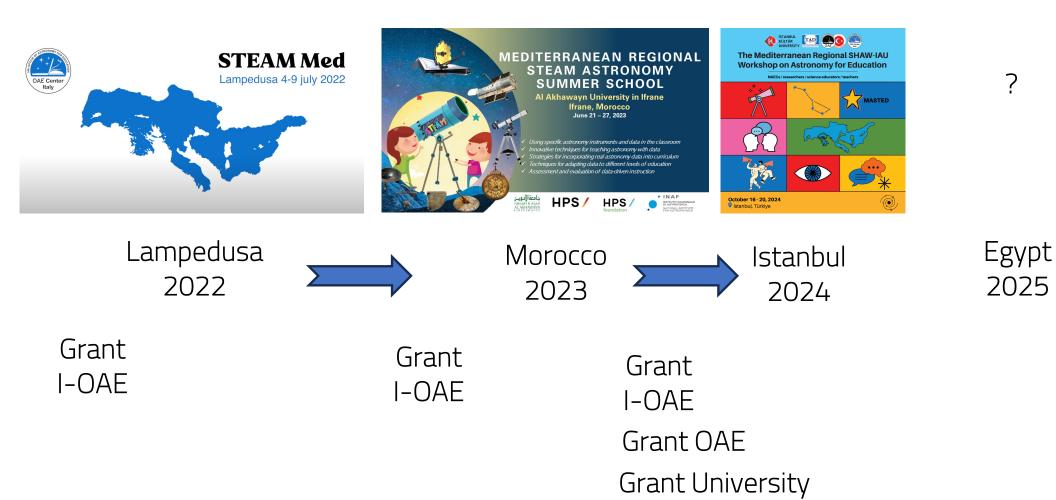
المؤلفين والمترجمين:

محمد العصيري, طارق الخطيب, روسا دوران, سيلفيا كاسو, جولياتا جيوبي, خوميه غونسالفيس, اندري غوشتن, داميرخروجينا, تركيه جبور, ميرت كوتشير, كلوديا مينيون, ساره ركياردي, جان-بيار صغبيني, مىتفانو مىاندرلمي, ستيفانيا فارانو, عايشغول يلكنجيه, كورهان يلكنجيه, أنيتا زانيلا, اليسندرا زانازي, مارك بو زيد

4 booklets with 7 activities in English, French, Arabic, Italian



From Lampedusa to the IAU Shaw Regional School



MASTED

The Mediterranean Regional SHAW-IAU Workshop on Astronomy for Education (MASTED) 16–20 October 2024, Istanbul, Türkiye - In person

MASTED convened **NAECs**, science educators, teachers, and researcher in the field of astronomy education from the culturally diverse countries of the Mediterranean basin.

• **60 applications** from 30 countries, (priority was given to Mediterranean countries).

• 32 participants

(25 international and 7 national) representing **16 countries**



participant-led activity workshops



The Mediterranean Regional SHAW-IAU

Workshop on Astronomy for Education





https://sites.google.com/view/masted/

Co-design

Sabir

Italy, Slovenia, Turkey, Lebanon, Morocco, Spain

Coordinated by Dunja Fabian, Gloria Tirabassi, Stefano Sandrelli



Goal: promoting and encouraging innovative, open, critical learning by producing Inquiry-Based Learning activities for high school students.

Co-design

Sabir



The project phases





The chosen activities

- Aysegul: Asteroid Mining mostly new.
- Hassane & Zakaria: Exploring Exoplanets: The transit method – mostly new.
- Jean-Pierre & Marc: 3,2,1... water rockets well tested in a non IBL context.
- Nayra & Alejandra: *Our place in the Universe* well tested in a not totally IBL context.

International meeting

Shaw-IAU workshop on astronomy for education



THE 7TH SHAW-IAU WORKSHOP ON ASTRONOMY FOR EDUCATION WILL BE HELD FROM THE 18TH OF NOVEMBER 2025 TO THE 21ST OF NOVEMBER 2025 (UTC TIME)

Online, free: 18–21 novembre 2025

- Science focus: Galaxies
- Special topic: Teaching with authentic data and the Science focus is on Galaxies.
- Astronomy education research
- Teaching methods and tools
- Astronomy education in schools in practice (primary and secondary schools)

Progetti 2025

1. OAE shared projects: *Glossary*, *TTP*, *IAU-Shaw, astroEDU*

2. Follow-up

- FR.E.SCO: GBL, PL for primary & middle school
- SABIR: IBL for high school
 - 3. Summer School, with OAE Center Egypt, 1-3 september
 - 4. AMACA Festival Astronomia Castellaro Lagusello

5. JEDI – justice, equity, diversity and inclusion



Equal day 2025



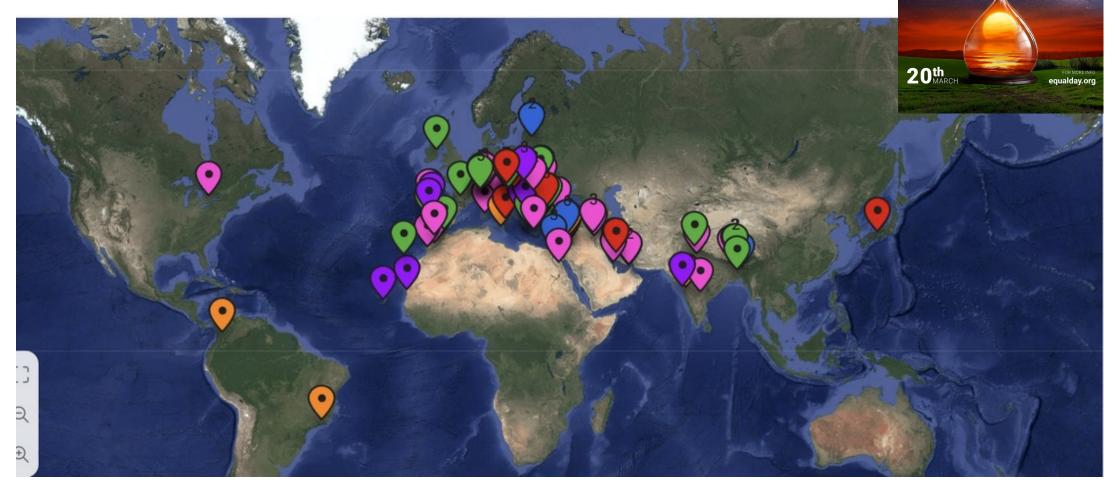
Equal day events

All the participants of the equal day event



EQUAL

CAE Corder Baly



FESTIVAL DI ASTRONOMIA L'Universo in tutti i sensi VIAGGIO NEL BUIO

CONFERENZE | LABORATORI | OSSERVAZIONI | MOSTRE | EVENTI

6-7-8 giugno Castellaro Lagusello (MN)

www. universointuttiisensi.it

General output 2022-2024

- 40 talks @ international workshops
- 8 talks @ national workshops
- 4 posters @ international workshops
- 9 publications on ASTRC



- 2 Research publication + 3-4 ongoing
- 8 news on national or international magazines



COLLABORARE CON I-OAE



I-OAE sign up

B*I*<u>U</u> ⇔ X

Please fill in this form to volunteer with the Office of Astronomy for Education Center Italy

Email *

Indirizzo email valido

Questo modulo raccoglie gli indirizzi email. Modifica impostazioni

https://forms.gle/YmwXXFPKw6xJZHwM6







To know more...

oae@inaf.it



https://edu.inaf.it/tag/oae-italia/

https://www.astro4edu.org/locations/italy





https://edu.inaf.it/oae_italia/brochure/

IAU Office of Astronomy for Education Center Italy

Activities and projects 2023

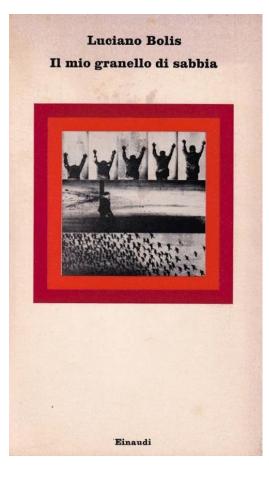


#astronomyforabetterworld

Qualcuno mi ha detto che certo le mie poesie non cambieranno il mondo

Io rispondo che certo sì le mie poesie non cambieranno il mondo

Patrizia Cavalli, 1974



Report 2023







#astronomyforabetterworld

- Respect
- Dialogue
- Critical thinking





Felix the Cat ©Pat Sullivan