

# IAU astroEDU & TEMI

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# ASTROEDU



Primary Schools

Secondary Schools

How do you search for  
activities on-line?

How much time do you  
spend using activities in  
the classroom?



build an antenna to listen to jupiter



**Web**

Images

Maps

Shopping

More ▾

Search tools

About 4,040,000 results (0.31 seconds)

### [Radio \*\*Jupiter\*\* Central - Decametric Noise Storms](http://www.radiosky.com/rjcentral.html)

[www.radiosky.com/rjcentral.html](http://www.radiosky.com/rjcentral.html) ▾

Okay, it is possible to **hear Jupiter** from 15 to 38 MHz, but what are the ... You will probably settle on one or two frequencies and **build** the best **antenna** you can ...

### [Antennas for Hearing \*\*Jupiter\*\* - Radio-Sky Publishing](http://www.radiosky.com/jupant1.html)

[www.radiosky.com/jupant1.html](http://www.radiosky.com/jupant1.html) ▾

With this **antenna** you will be able to **hear** some of **Jupiter's** louder bursts. Dipoles are good antennas for beginners because they are so easy to **make** and erect.

### [Universe Cafe: \*\*Listen to Jupiter\*\*](http://thilinaheenatigala.blogspot.com/2008/11/listen-to-jupiter.html)

[thilinaheenatigala.blogspot.com/2008/11/listen-to-jupiter.html](http://thilinaheenatigala.blogspot.com/2008/11/listen-to-jupiter.html) ▾

Nov 11, 2008 - You can receive **Jupiter** using relatively simple equipment or you can **construct** complex spectrograph receivers and **build** monstrous **antenna** arrays to capture its more subtle ... Now, point the **antenna** at **Jupiter** and **listen**.

### [\[PDF\] \*\*Simple radio telescope for listening to Sun/Jupiter\*\* - The Crystal ...](http://crystal.xn.org.uk/wiki/lib/exe/fetch.php?media=brazil:radio...pdf)

[crystal.xn.org.uk/wiki/lib/exe/fetch.php?media=brazil:radio...pdf](http://crystal.xn.org.uk/wiki/lib/exe/fetch.php?media=brazil:radio...pdf) ▾

references '**Build** a 21 MHz **Jupiter Antenna**' by David Rosenthal in Sky and ... commonly thought to be the best band for **listening** as it is well above the.

### [\[PDF\] \*\*Listening to Jupiter's\*\* Radio Storms - Reeve](http://www.reeve.com/Documents/RadioScience/Jupiter%20Complete.pdf)

[www.reeve.com/Documents/RadioScience/Jupiter%20Complete.pdf](http://www.reeve.com/Documents/RadioScience/Jupiter%20Complete.pdf) ▾

**listening** enthusiasts and amateur radio operators can ... to **listen** and how to recognise **Jupiter's** signals. .... This **antenna** is easy to **build** from locally available ...

**MERLOT** is a free and open peer reviewed collection of online teaching and learning materials and faculty-developed services contributed and used by an international education community.

SEARCH  
MERLOT ▼



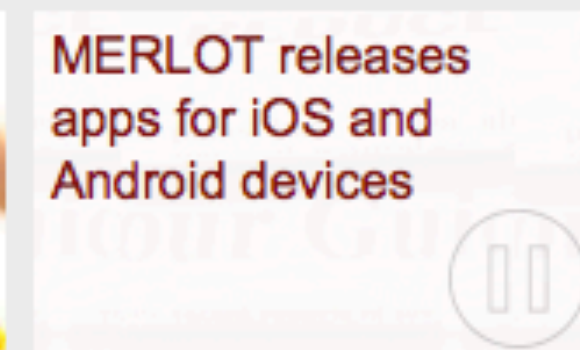
MY  
MERLOT ▼



MEMBERSHIP ▼



CREATE MATERIALS  
WITH CONTENT  
BUILDER

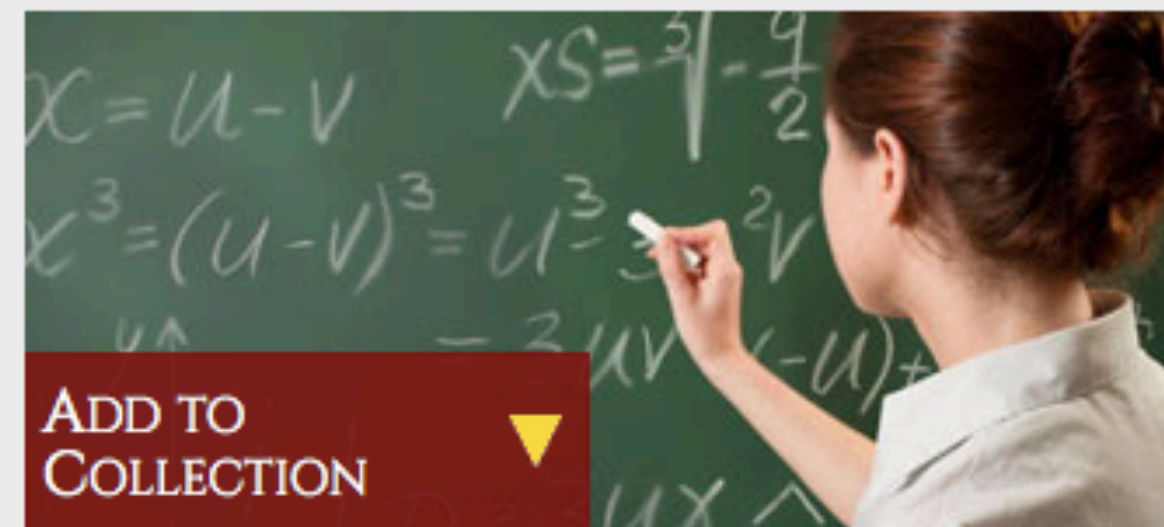


MERLOT releases  
apps for iOS and  
Android devices

ABOUT  
MERLOT



MERLOT  
COMMUNITIES ▼



ADD TO  
COLLECTION ▼

SURVEY



International  
Astronomical  
Union

**ASTRO**EDU

open-access platform for  
peer-reviewed astronomy  
education activities

## Existing repositories:

- require login,
- are cluttered,
- are hard to navigate/find resources,
- have content with highly variable quality,
- have limited content review,
- are restricted in languages,
- are not maintained/updated.



## What is **astro**EDU?

**astro**EDU makes the best astronomy activities accessible to educators around the world.

**astro**EDU is the first, open-access platform of peer-reviewed astronomy educational activities.

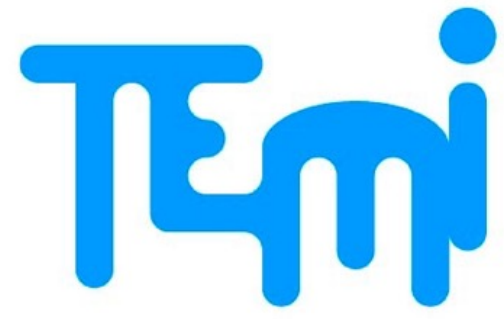
**astro**EDU is a platform for educators to discover, review, distribute, improve, and remix educational astronomy activities.

# astroEDU Peer Review



DEMO

[www.iau.org/astroEDU](http://www.iau.org/astroEDU)

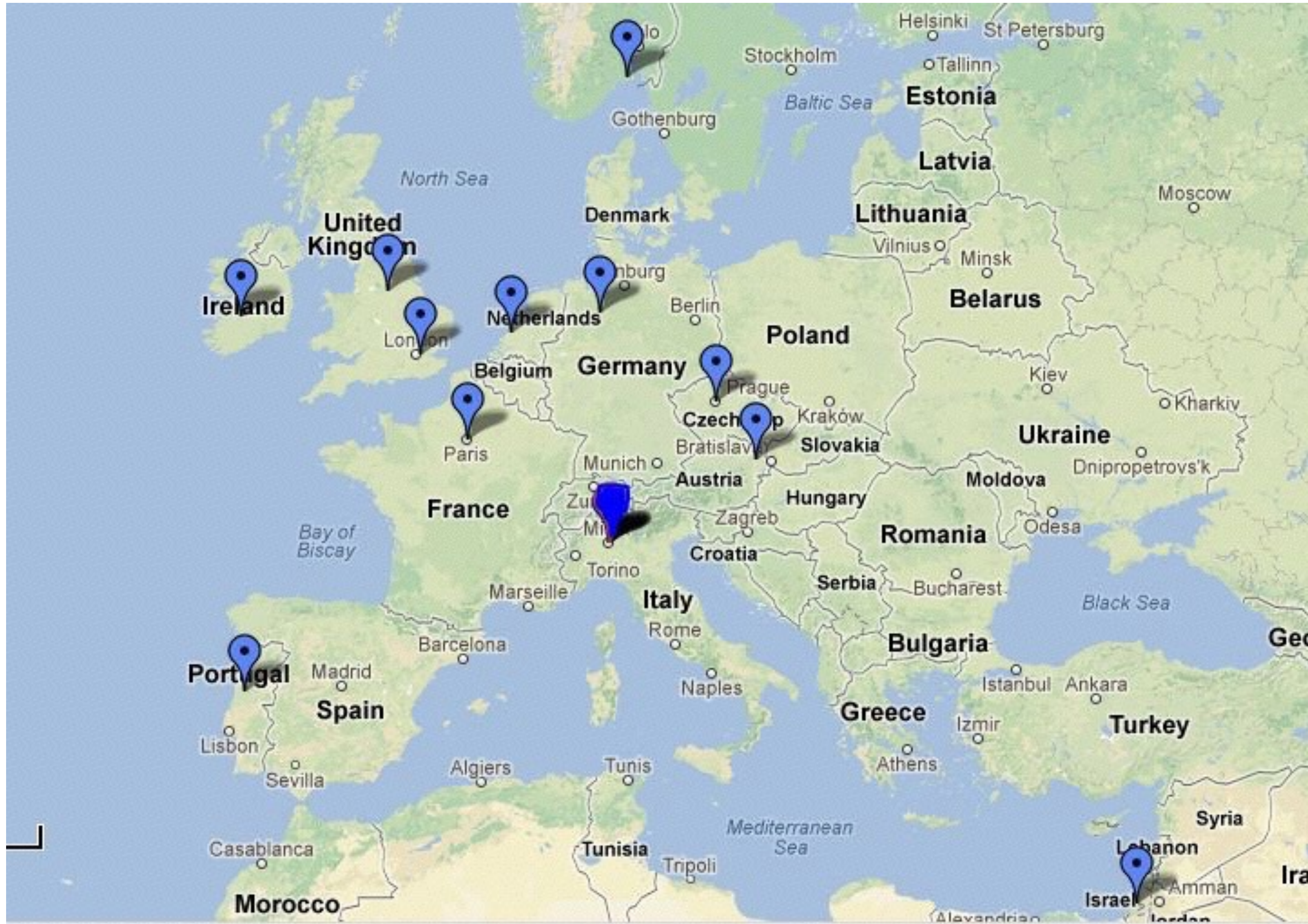


What is TEMI?

Teaching Enquiry with Mysteries Incorporated

A teacher training project across Europe

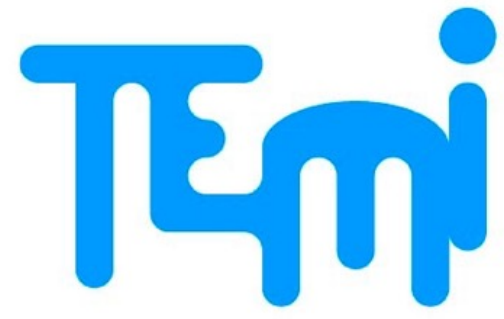
Talk by Johan Neuteboom





## Why TEMI?

To help improve science and mathematics teaching practices across Europe, introducing a new teaching paradigm.



## Why TEMI?

Inquiry based science education (IBSE) stimulates critical and creative thinking, revealing the process behind the solutions of scientific problems.

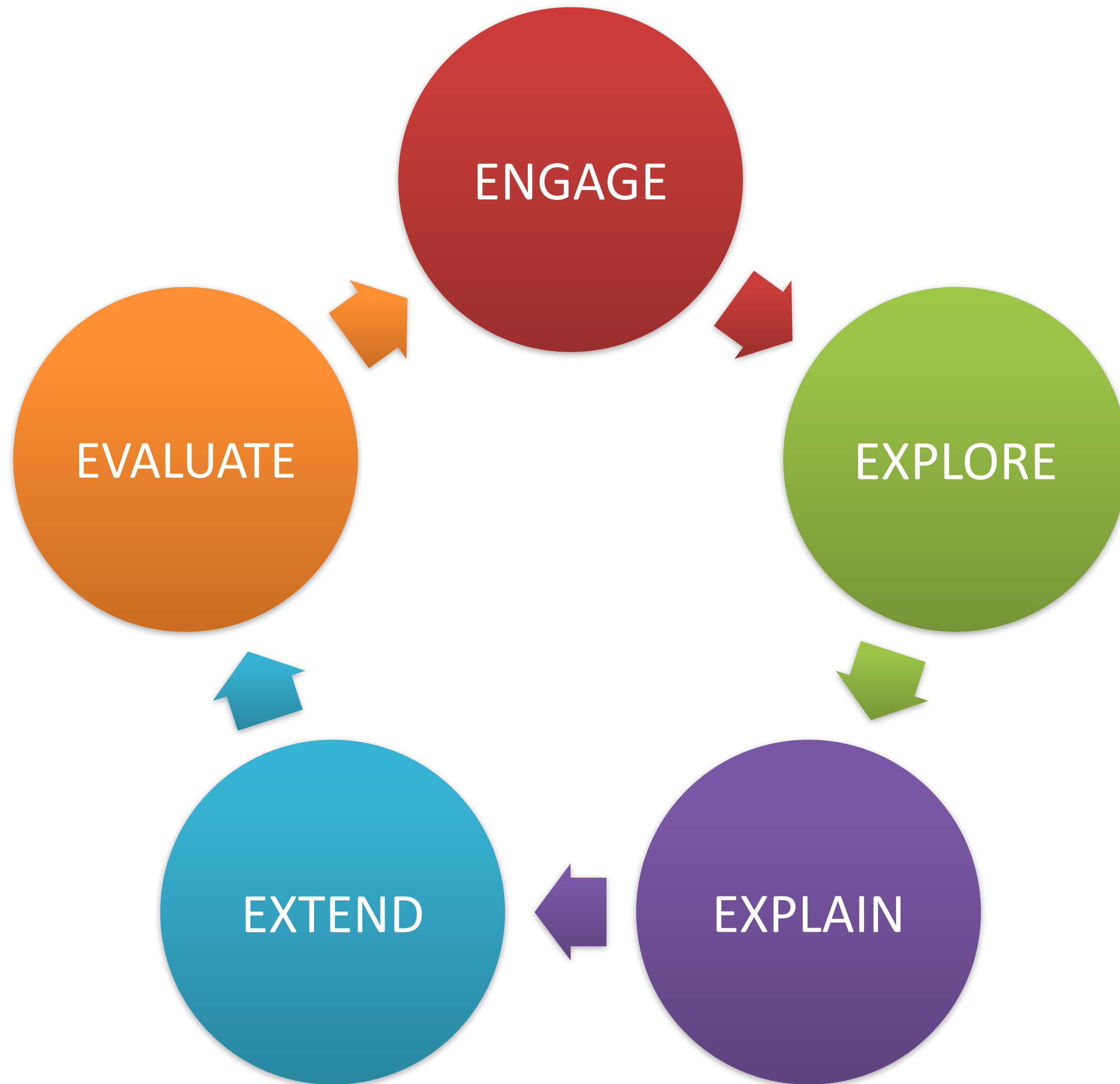


## What is a science mystery?

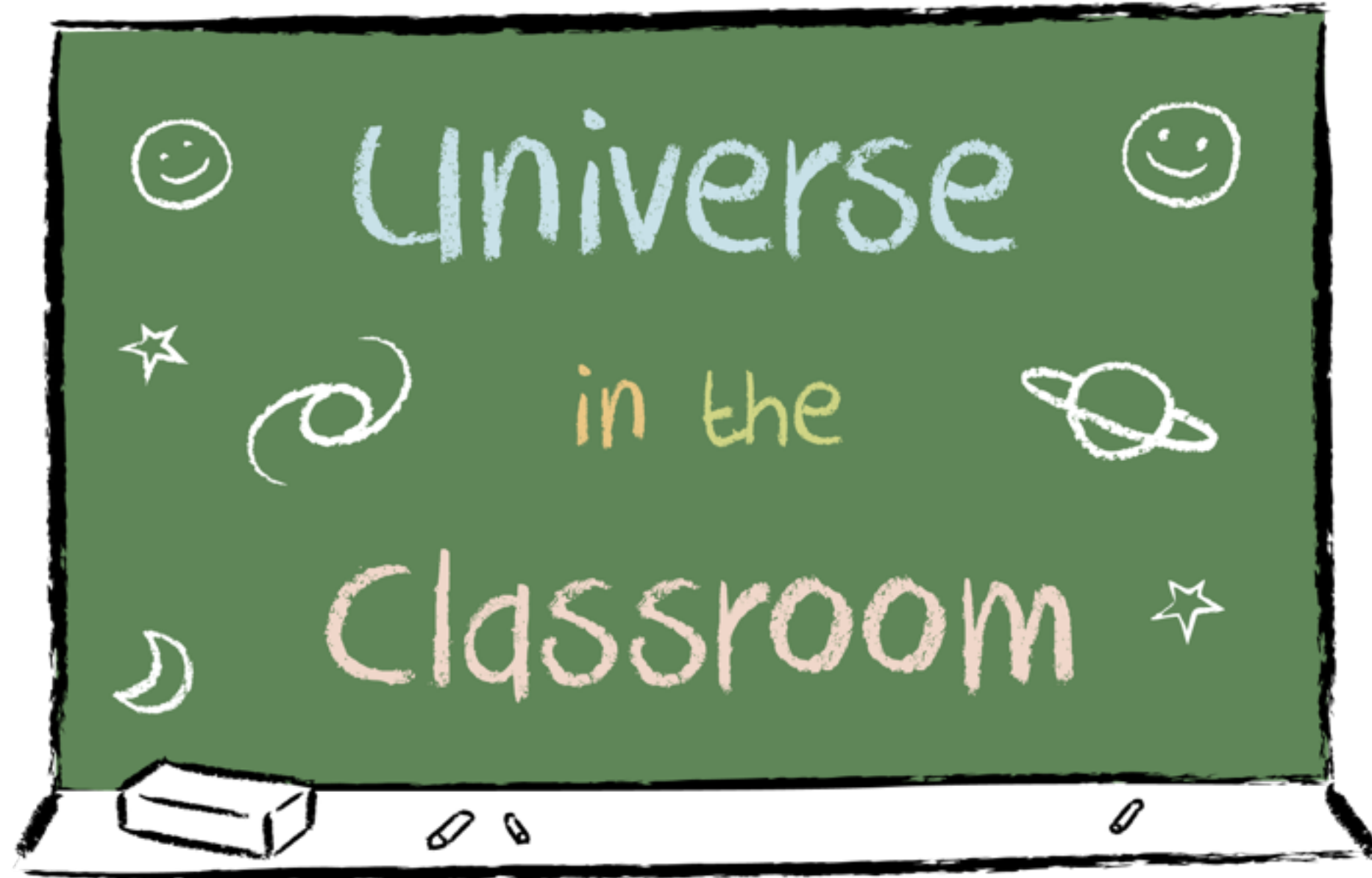
A science phenomenon that

- we don't understand
- surprises us
- raises questions
- stimulates reasoning
- helps develop our inquiry skills





# Call for participation: PhD network programme



- Looking for participating schools in Italy, the UK, France and Germany
- PhD Students (Black holes) in the classroom for talks and/or activities

What can we do to  
support your efforts?