

# Teaching environmental education through STEAM and Europeana



# TERESITA GRAVINA



**Italian Ambassador for European Education**

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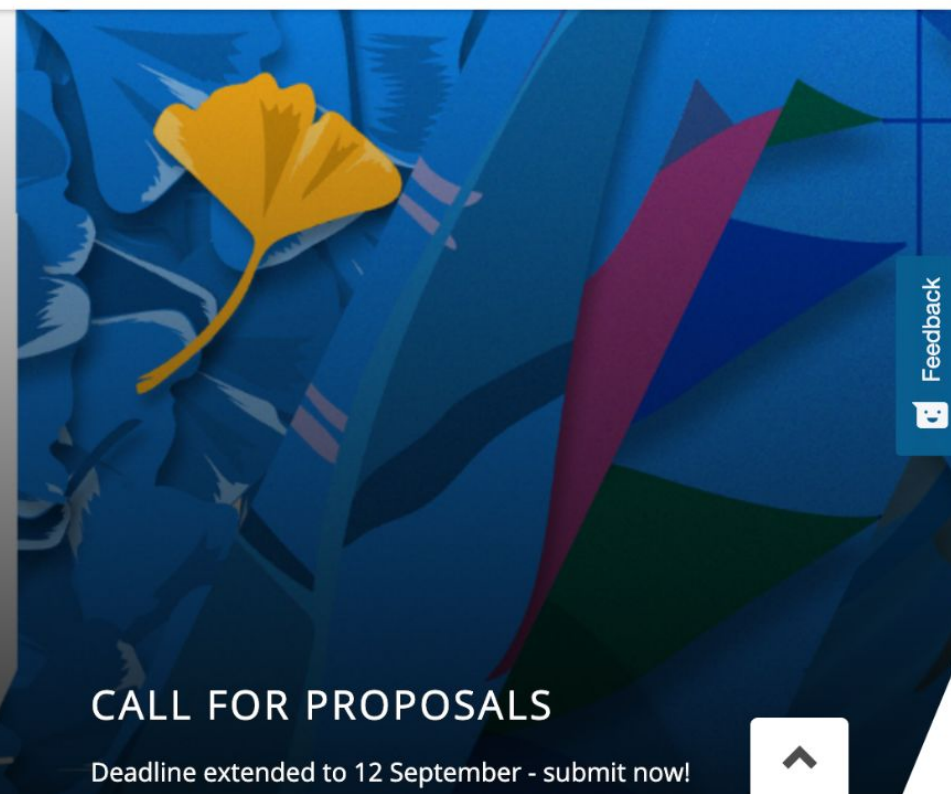


Make it easier for people to use cultural heritage for education, research, creation and recreation.

Contributes to an open, knowledgeable and creative society.



Recover, Rebuild, Grow  
10 - 12 November | Online



CALL FOR PROPOSALS

Deadline extended to 12 September - submit now!

Feedback



<https://pro.europeana.eu/>

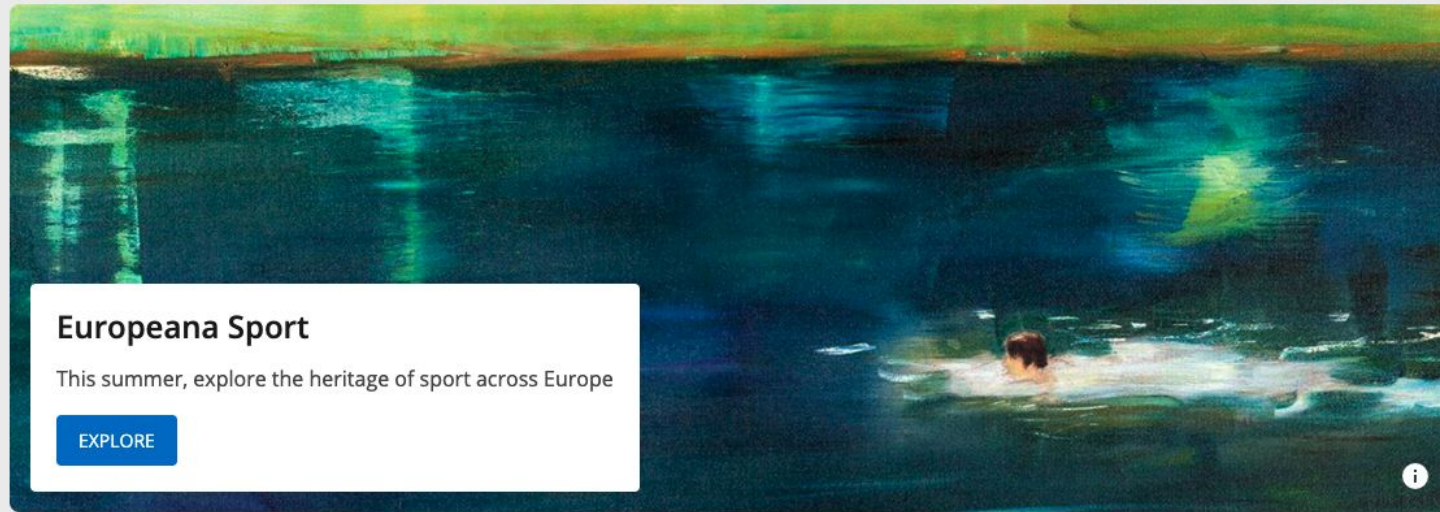
## PARTNERS

- Over 120 partners from across Europe
- Content from 3,500+ CHIs (libraries, museums, archives, and galleries)





# Europeana



## Europeana Sport

This summer, explore the heritage of sport across Europe

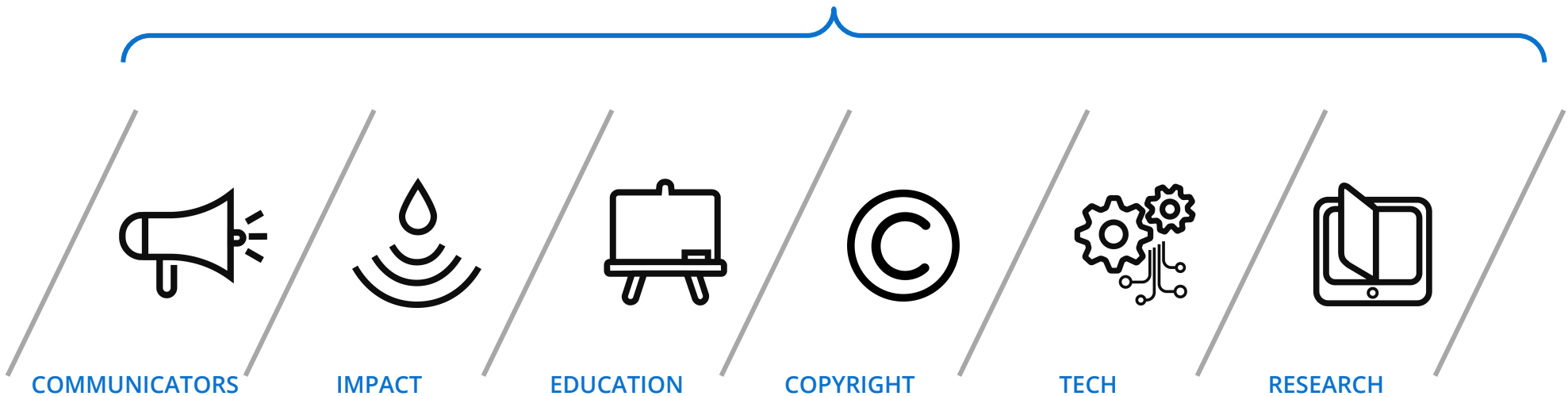
[EXPLORE](#)

### New stories



[www.europeana.eu](http://www.europeana.eu)

## SPECIALIST COMMUNITIES



# Growing our network in education

## INSTITUTIONAL PARTNERS



## ASSOCIATIONS AND NETWORKS



## COMMERCIAL PARTNERS

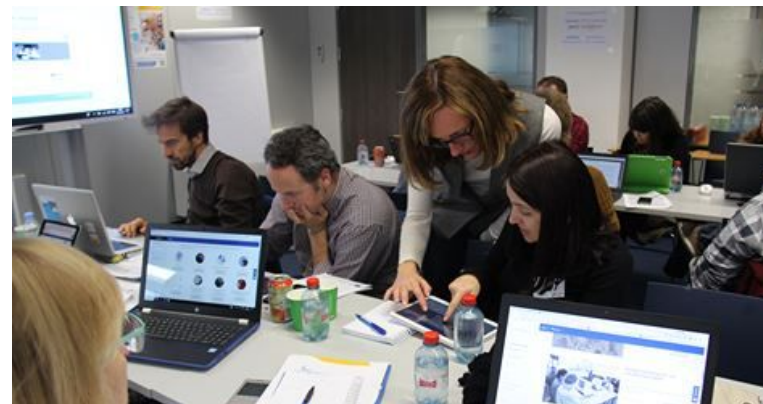




# Working with teachers across Europe



Teachers during the DSI3 project workshops in EUN  
EUN Academy  
CC-BY-SA



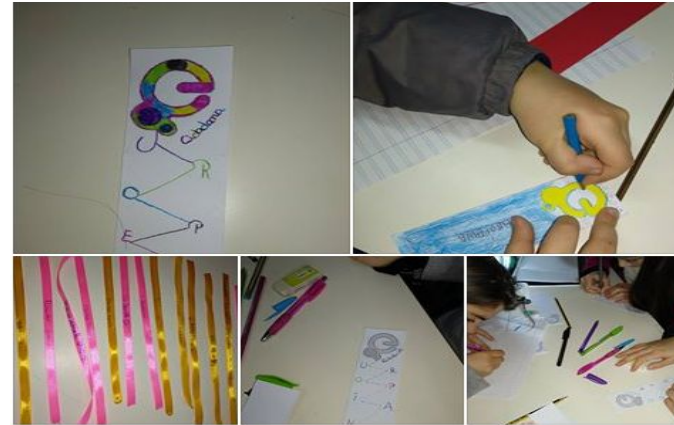
# Lesson learnt by teachers



1. Working with Europeana content in class **facilitates collaborative setting** and project based assignments
2. Teachers consider Europeana a **safe environment** for children with highly **trusted sources**
3. The diversity of content **allows to advanced students to go further** and enrich their assignments



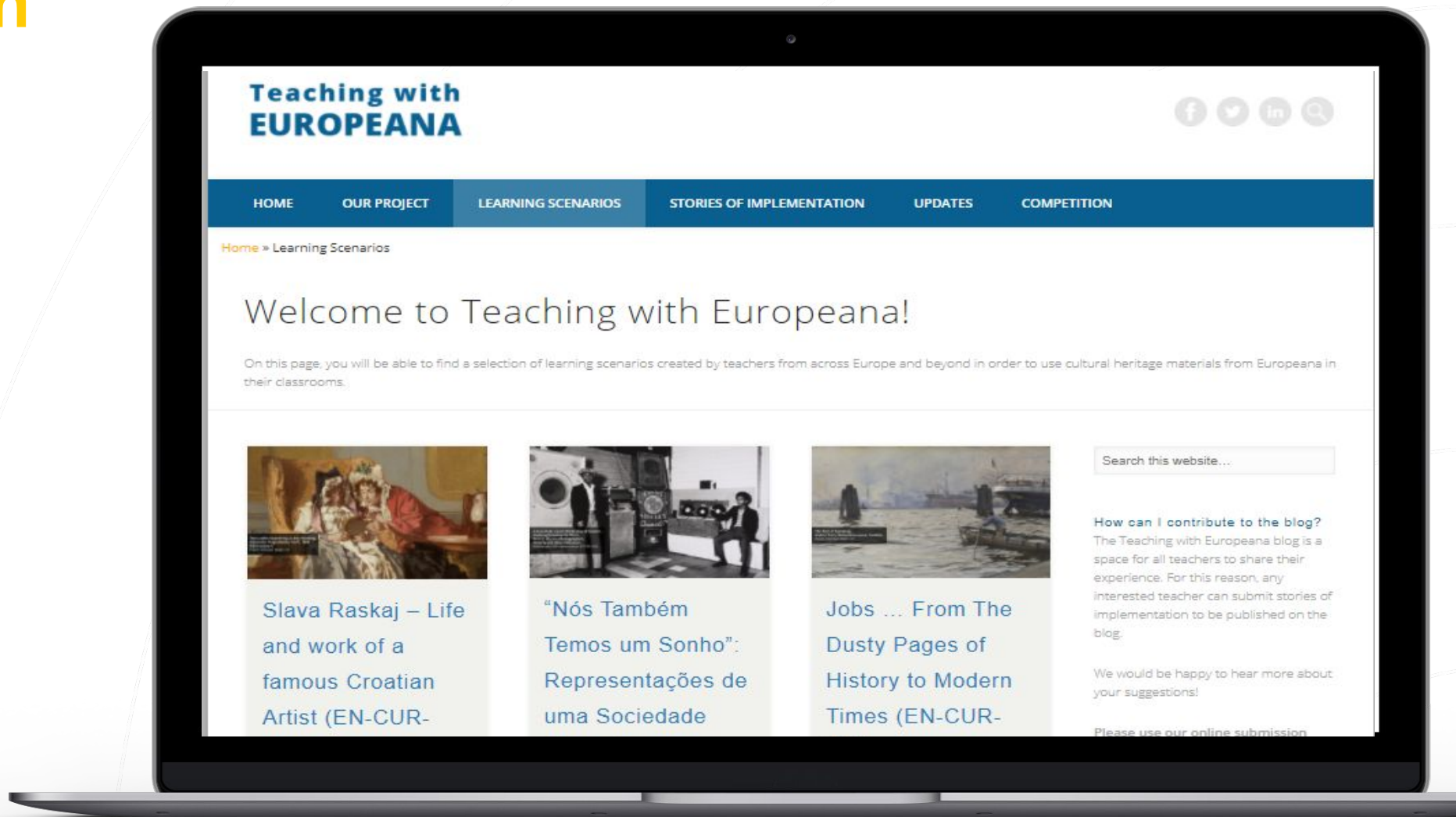
# Lesson learnt by students



1. Working with **digital culture and IT technologies** make the lessons more playful.
2. Using **primary sources** and historical documents is especially engaging
3. **Accessing complementary content** from other countries via Europeana is helping them to enrich, and finish their assignment quicker.



# Teaching with Europeana blog



# Learning Scenario

Created using Europeana resources:

- formal and informal education
- for different school grades;
- different topics;
- designed by teachers for teachers;



## Europeana Learning Scenario

### Title

Using Arts to reconstruct a volcanic eruption

### Author

Teresita Gravina

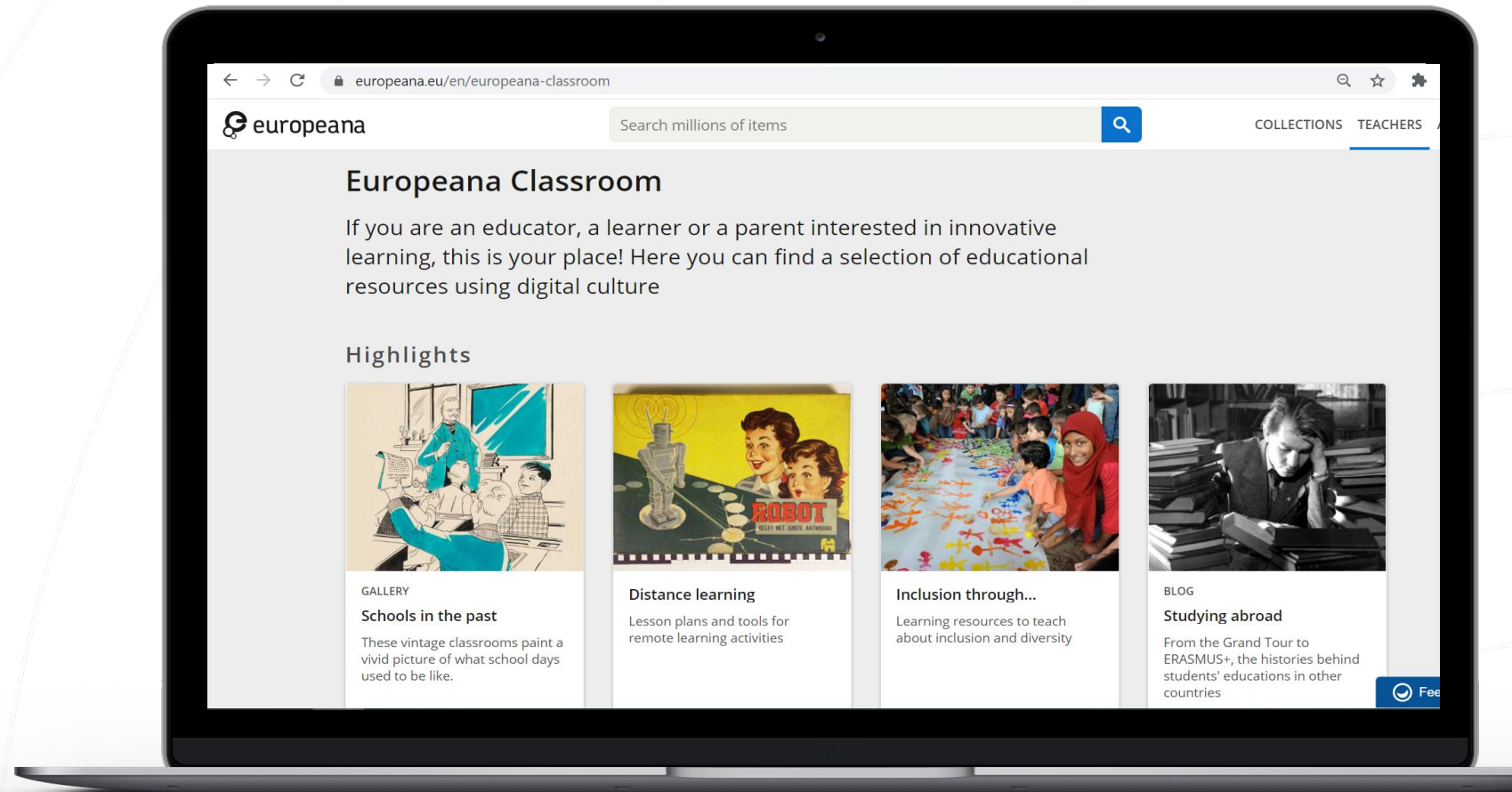
### Summary

#### Table of summary

Subject	Science
Topic	Volcanic eruptions, this scenario could be used (with different resources from Europeana platform) for other natural phenomena, like landslides, tsunami, earthquakes, hat determine change in the landscape in short period of time.
Age of students	11-13
Preparation time	30 minutes
Teaching time	160 minutes

# Europeana classroom

- 400+ learning resources
- Video tutorials
- Apps and games
- Co-creation tools: Historiana, Transcribathon, Share your story





# Learning scenario about water

## Water Scientists (LS-ES-562)

leticiagil | August 3, 2021 | Art, Blended, Brainstorming, Citizenship, Cooperative learning, Cultural awareness and expression, Early childhood & Primary education, English, Environment, Formal, Group dynamics, Learning Scenarios, Oral presentation, Project-based learning, STEAM (STEM + Arts), STEM skills



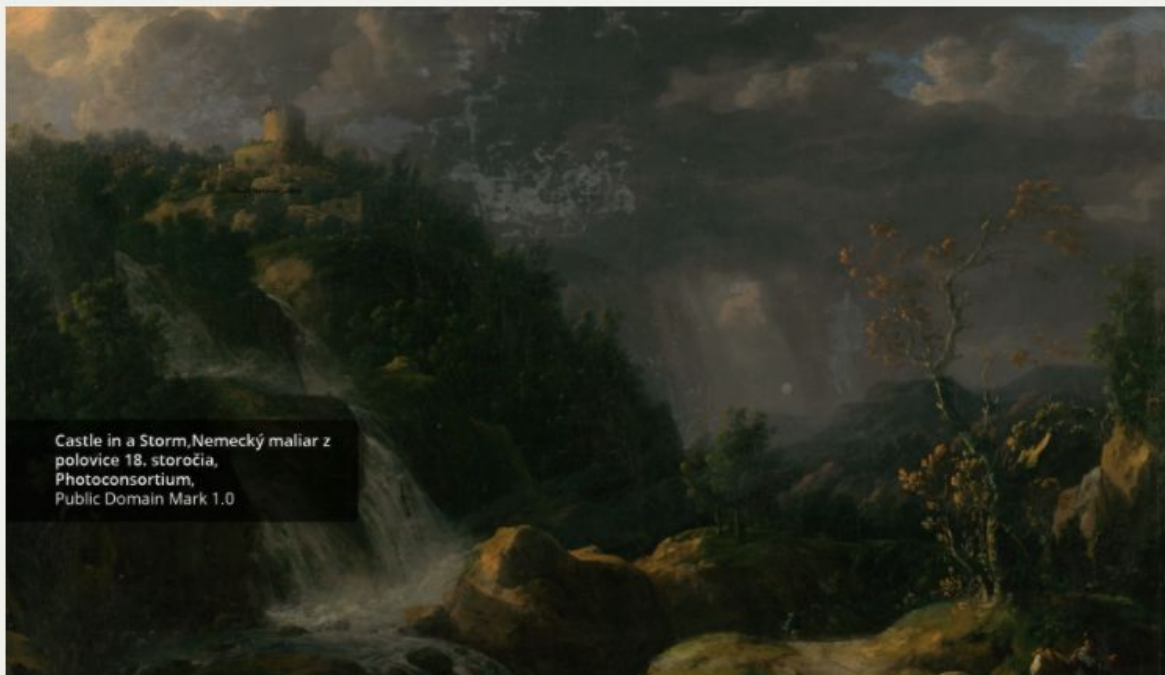
Learning scenario for Early Childhood Education  
by [Leticia Gil](#)

Children acting as scientist will learn how important their actions are to preserve water, knowing how important it is in our life.

# Learning scenario about water

## STEAM in the Water Cycle (LS-MT-235)

annamariagauci January 22, 2020 Cooperative learning, Early childhood & Primary education, English, Environment, Face-to-face, Formal, Group dynamics, Inquiry-based learning, Learning Scenarios, STEAM (STEM + Arts), STEM skills



Castle in a Storm, Nemecký maliar z polovice 18. storočia, Photoconsortium, Public Domain Mark 1.0

This learning scenario by Maltese teacher Anna Maria Gauci presents the driving question *'Where does water come from?'*

Learning scenario for primary school  
by Annamaria Gauci

Students will learn about the water cycle  
and how to make the best use of water on  
a day-to-day basis.

# Learning scenario about water

## Searching Water in Solar System (LS-IT-301)

angelacolli    April 21, 2020    Cooperative learning, Cultural awareness and expression, Face-to-face, Formal, Group dynamics, Inquiry-based learning, Italian, Learning Scenarios, Lower Secondary Education, Oral presentation, Project-based learning, Secondary school, STEAM (STEM + Arts), Upper Secondary Education



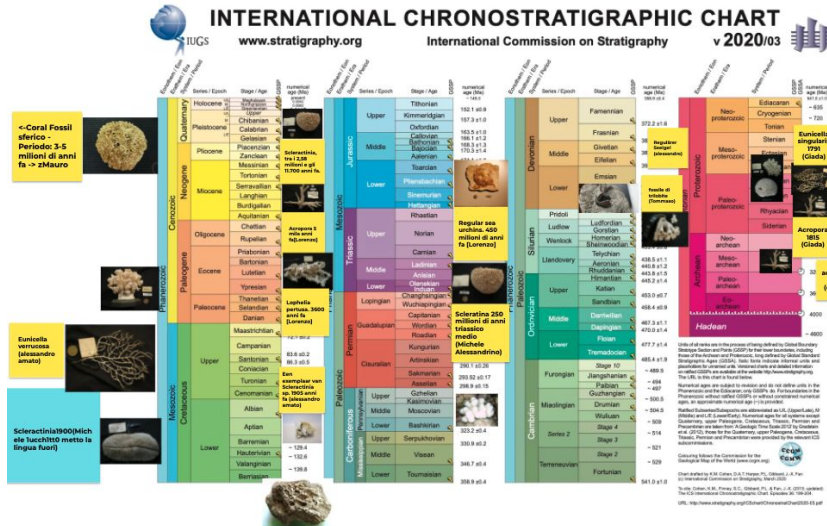
Learning scenario for upper secondary school  
by Angela colli

A learning scenario that links the history of solar system discoveries with recent researches about evidence of water in solar system planets and satellites.





# Coral reef today, yesterday and... tomorrow



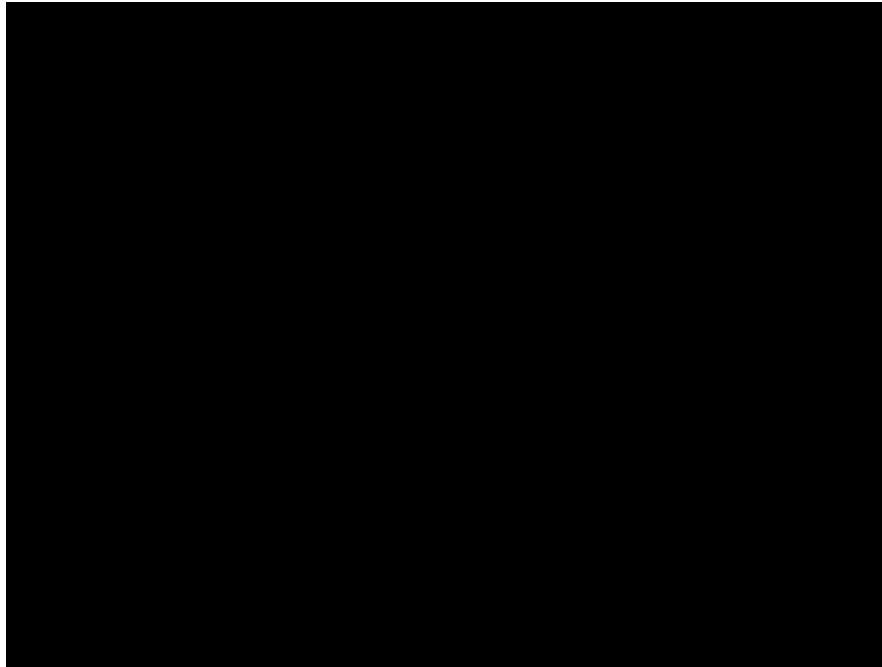
**YESTERDAY**



Coral fossil  
*Heliastrea conoidea*; Reuss 1871  
 Public Domain

International chronostratigraphic chart and Fossils

# Coral reef today, yesterday and... tomorrow



# TOMORROW ?



## Salviamo le barriere coralline



Benvenuto su Flipgrid! premi il pulsante verde per aprire le fotocamera e registra il tuo video

- 👋 presentati
- 🗣️ convinci il tuo pubblico sull'importanza di salvare le barriere coralline

**Tip:** riscaldamento globale, inquinamento dei mari da plastica



9 MODI PER PROTEGGERE LE

## BARRIERE CORALLINE

- 1 PULIAMO LA COSTA**  
offriti volontario per pulire la spiaggia e il mare.
- 2 RACCOGLIAMO LA SPAZZATURA**  
raccolgi non solo la tua spazzatura ma anche quella degli altri in modo che non vada a finire nel mare. 
- 3 FARE IMMERSIONI CON ATTENZIONE**  
quando si fanno delle immersioni non toccare i coralli. 
- 4 USA PROTETTORI SOLARI UPF**  
usa dei protettori Ultraviolet Protection Factor in modo che non inquinino l'acqua. 
- 5 NON INQUINARE L'ACQUA**  
non buttare prodotti chimici nell'acqua in modo di non danneggiarla. 
- 6 NON RACCOGLIERE E REGALARE CORALLI**  
se per esempio vedi una stella marina non raccogliarla, ricorda che è viva e prendendola la potresti uccidere. 
- 7 NON PESCARE VICINO UNA REEF**  
evita di pescare vicino una barriera corallina, perché la rete che usi per pescare potrebbe impigliarsi o danneggiare i coralli. 
- 8 RIDURRE LA PESCA ECCESSIVA**  
perché porta alla diminuzione dei pesci, che si nutrono delle alghe che crescono sulla barriera corallina. 
- 9 NON AQUISITARE SOUVENIR IN CORALLO**  
è meglio evitare di comprare souvenir in corallo, non di deve acquistare niente proveniente dall'oceano. 

Lavori di:  
Giuliana Avelli, Erica Sparano, Anna Gallo, Antonella Cioffi e Sharon Carpine





Science Comics: Coral Reefs: Cities of the Ocean