



**Education and Museum:
Cultural heritage for science learning**

EDMUSE Project

Vincenza Ferrara (Project Coordinator – Italy)



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Cultural heritage for science learning**

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2015-2017

Codice attività: 2015-1-IT02-KA201-015013

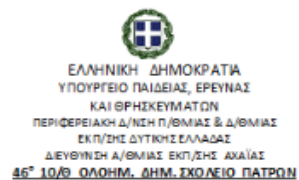
Coordinatore Sapienza Università di Roma – Centro Digilab

Partners



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Comprehensive Institute Via Val Maggia

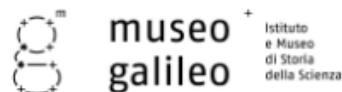
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Partners Italy, Greece and Portugal

Research: University of Rome, University of Coimbra, University of Patra

Educational: I.C. Val Maggia, Directorate of Achia, 46 Dimotiko, Agrupamento de Escola

Cultural Heritage: Museum Galileo of Florence, Nuclio



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The context**



Rethinking Education: Investing in skills for better socio-economic outcomes –

Communication of European Commission COM ((2012)

Innovative teaching and learning for all through new Technologies and Open Educational Resources –

Communication of European Commission COM (2013)

Cultural Heritage as a non-formal content for curriculum building in multidisciplinary way

The need to find best practices for improving learning in the STEM context



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Project AIMS

Promote a new ways of learning and teaching through innovative method, using technologies and open digital resources

Define a methodology to use technologies and digital cultural resources for making learning units

Design and development a platform to access and to re-use digital resources of cultural heritage in education

Promote new way for school and museum cooperation



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The Partners goals

- Sharing and exchanging best practices and applications between teachers of different countries
- Building the teachers training related to integrated different disciplines in educational topic also scientific themes
- Building innovative relationships with actors of different educational environment such as Teachers and museum staff
- Development resource-accessible tools to enable teachers to create sharing educational units as OER (Open Educational Resources)
- Providing non-formal educational content to students by adopting a language close to Them.



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Sharing and Dissemination

WEBSITE: **<http://www.edmuse.eu>**

The Project activities

IO1

Collecting content and editing a document on the state of the art of using ICT and non-formal cultural heritage resources in different countries by different education systems.

IO2

Study and development platform to access to digital cultural resources through API technology and to manage those data for making multimedia lessons..



The Project activities

IO3

Define methodologies and guidelines document to able Teacher to integrate Cultural Heritage Resources with "Traditional" Content and for making a trans-disciplinary lesson in multimedia form.

Preparation of questionnaires for assessing the impact of this methodology on science learning.



The Project activities

IO3

Methodologies and Guidelines Document for Teacher to integrate Cultural Heritage Resources with "Traditional" Content . Making a trans-disciplinary lesson in multimedia form.

Preparation of questionnaires for assessing the impact of this methodology on science learning.



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The Project Activities Short training Meeting

17-21 Jan in Rome

24 teachers from Country Partners



The Project activities

IO5

- classroom activities and making lesson by teachers.
- Making questionnaires connected with the same topic for all educational partners and administrate them pre and after the lesson in the class.



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Results



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Edmuse methodology and Guidelines for teachers

Search Bar

Search APIs Europeana Images d'art

Results per page (per API) 10

Search method Search for records containing all of the following Terms

Search astronomy

Search Reset

Europeana: 3652 results. Showing 1 - 10

Images d'art: 0 results.

* Maximum number of results' pages is 99 due to Europeana's API limitation.



[Europeana] Boke of Astronomy and off Philosophie'

Country: United kingdom
Institution: Bodleian Libraries, University of Oxford
Provider: The European Library
Type: TEXT
Europeana Link
External Link

Add to my catalogue



[Europeana] Boke of Astronomy and off Philosophie'

Country: United kingdom
Institution: Bodleian Libraries, University of Oxford
Provider: The European Library
Type: TEXT
Europeana Link
External Link

Add to my catalogue



[Europeana] Boke of Astronomy and off Philosophie'

Country: United kingdom
Institution: Bodleian Libraries, University of Oxford
Provider: The European Library
Type: TEXT
Europeana Link
External Link

Add to my catalogue

Results

The Multimedia Lesson in mother tongue of each Partner and in English

- **8-9: Water as element of landscape**
- **10-11: The planets**
- **11-12: Galileo**

The topics of multimedia lessons
related to the age of students

The multimedia Lessons available for teachers and students

edmime.eu/edmime-platform/index.php/lessons/load_filtered_lessons 80% Cerca

Più visitati Google Come iniziare Raccolta Web Slice Siti suggeriti

Home Project Collections Lesson



14/05/2017
21:48:28
fiore.sarro@gmail.com
Italian
Astronomy
11

I pianeti

Una lezione multimediale interdisciplinare per imparare a riconoscere e distinguere i pianeti del Sistema Solare.



14/05/2017
19:24:03
stavgan@yahoo.gr
English
Astronomy
10

Our Solar System

It is about planets, ancient gods and astronomical observation.



14/05/2017
10:28:12
aggelako_maria@yahoo.gr
English
Natural Science
10

Fair weather's

The connection between the weather and the mythology, the civilization, the temperature, the forecast, the weather phenomena and the daily life.





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Results

Evaluation of Edmuse Methodology Impact on Science learning



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