CONSORTIUM

The consortium running the project includes a balanced mix of science museums and science centres, pedagogues, educational technologists, metadata experts, user groups and standardization bodies.

Ecsite, the European Network of Science Centres and Museums, based in Belgium, is the project coordinator.

The following organisations form the consortium:

- **Bundesministerium für Unterricht, Kunst und Kultur** - Austria
- **Menon Network** - Belgium
- **Ellinogermaniki Agogi** - Greece
- **University of Bayreuth** - Germany
- **Lambrakis Foundation** - Greece
- **Deutsches Museum** - Germany
- **Heureka, The Finnish Science Centre** - Finland
- **Eugenides Foundation** - Greece
- **National Museum of Science and Technology Leonardo Da Vinci** - Italy
- **Etablissement Public du Palais de la Découverte et de la Cité des sciences et de l'Industrie (Universcience)** - France
- **Palace of Miracles** - Hungary
- **Pavilion of Knowledge - Ciencia Viva**, Portugal
- **INTRASOFT Intl.** - Luxembourg
- **Linnaeus University** - Sweden
- **IKnowHow** - Greece
- **University of Jyväskylä** - Finland
- **Institute for the Study of Knowledge Management in Education** - USA
- **University of Central Florida** - USA
- **The Science Education Center at National Taiwan Normal University** - Taiwan, RoC

CONTACT

- **OSR website**

  www.openscienceresources.eu

- **OSR Coordinator**

  Ecsite, the European Network of Science Centres and Museums

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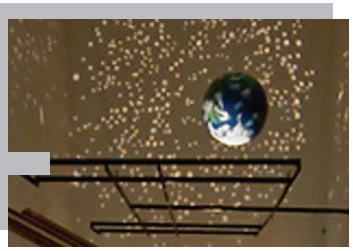
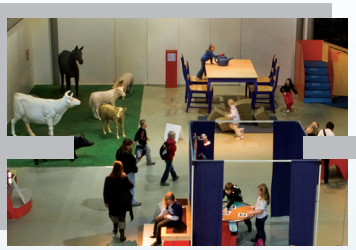


Pavilion of Knowledge - Ciencia Viva



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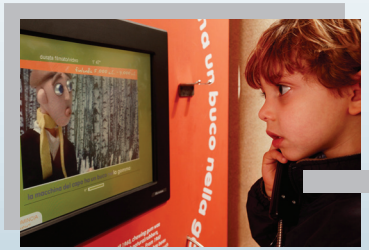


National Museum of Science and Technology Leonardo da Vinci

co-funded by the Community programme eContent*plus*

OPEN SCIENCE RESOURCES

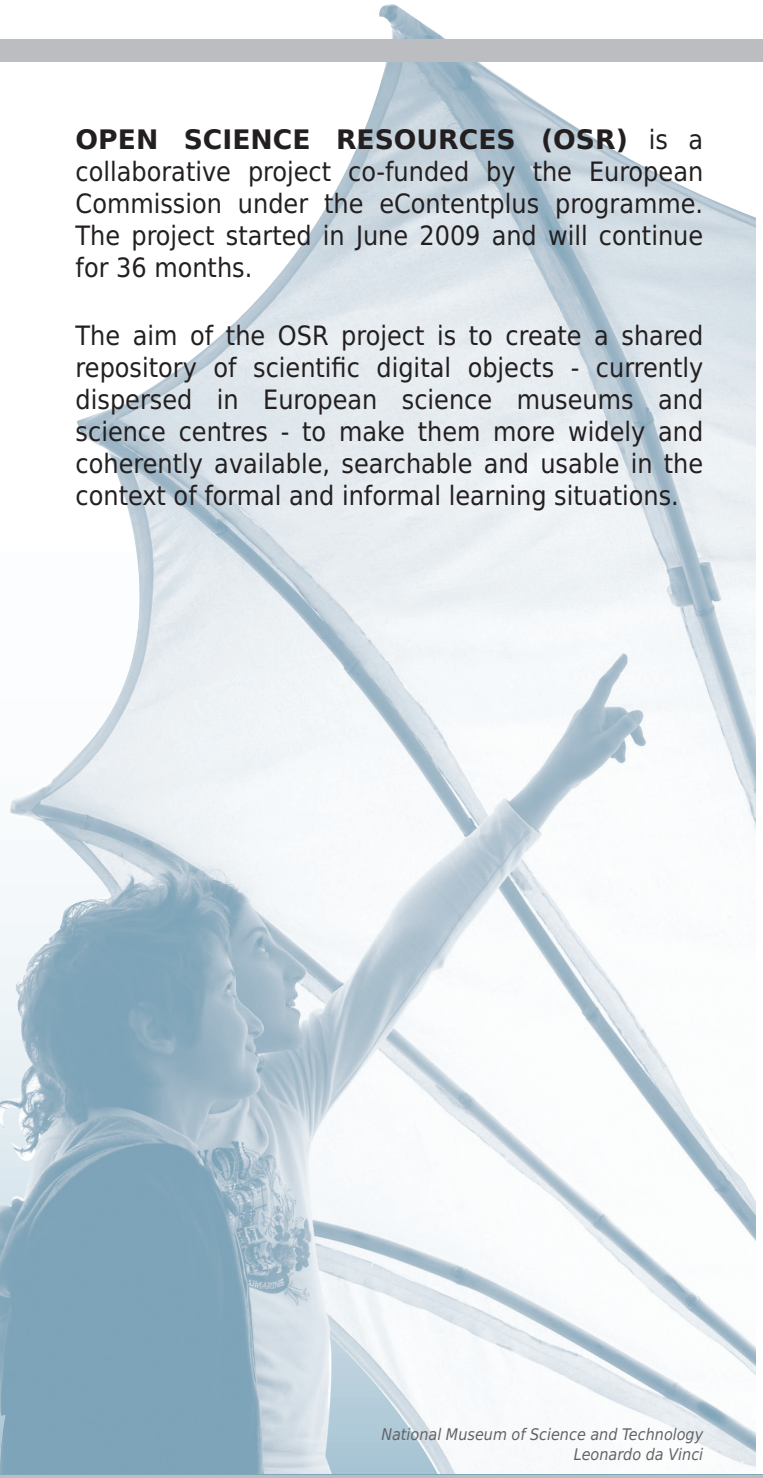
OpenScienceResources

Deutsches Museum

Towards the development of a shared digital repository for formal and informal science education

OPEN SCIENCE RESOURCES (OSR) is a collaborative project co-funded by the European Commission under the eContentplus programme. The project started in June 2009 and will continue for 36 months.

The aim of the OSR project is to create a shared repository of scientific digital objects - currently dispersed in European science museums and science centres - to make them more widely and coherently available, searchable and usable in the context of formal and informal learning situations.



National Museum of Science and Technology Leonardo da Vinci

THE OSR PORTAL

Science centres and museums from across Europe have joined forces to provide high-quality learning objects for the OSR repository. A highly accessible portal, equipped with state of the art searching tools, will provide an easy and attractive interface to access the repository.

OSR portal users will navigate the finest digital collections in European science centres and museums, guided by attractive educational pathways connecting the objects with well-defined semantic metadata. Users will also be able to enrich the contents provided with social tags of their own choice.

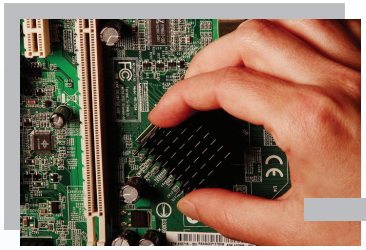
Educational Pathways will be targeted to the different user groups in the project (students, teachers, families, museum visitors) as a storyline connecting different objects, which may be physically kept in different European museums.

SOCIAL TAGGING

User engagement with the museums and science centers content is encouraged through social tagging of the educational objects. This is one of OSR's main innovative points, since it provides a bridge between the education and collection staff in the museums by allowing the visitors to share their experience. Tagging lets users assert their own connections and associations between objects and phenomena in ways that reflect personal perspectives and interests. Tagging further enables re-discovery of activities previously performed; the users' tags record salient characteristics of personal interest and support subsequent searches.

A ROADMAP FOR CONTINUED USE

As a last step, the project will propose a Roadmap towards a standardized Science Resources (re-) usability approach. This tool will include recommendations and guidelines for the design of Science Education Learning Content and Activities, on the appropriate metadata methods needed for their description with respect to both their educational and their domain-related characteristics.



National Museum of Science and Technology Leonardo da Vinci

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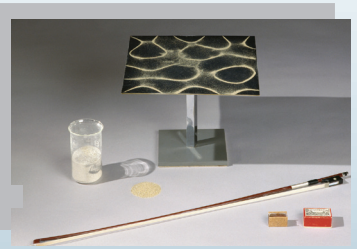

Deutsches Museum