## Upcoming Events

**01-21/07/2012**
CERN Programme for Physics High School Teachers 2012 (HST2012) A 3-week residential programme for High School teachers in CERN.

**08-13/07/2012**
Teacher training with EU-HOU and Discover the COSMOS in Global-HOU in Morocco.

**09-13/07/2012**
Scientific meeting of the SEA in Valencia, Spain.

**10/07/2012**
Workshop with teachers. What's DISCOSMOS and how to particípate? During the Scientific reunion of the Spanish Astronomy Society (Sociedad Española de Astronomía-SEA)

**14-22/07/2012**
COSPAR 2012, GTTP/DC teacher training session during the 39th COSPAR scientific assembly, Mysore, India.

**20/08/2012**
IAU-GA 2012, Oral presentation during IAU-GA 2012 in Beijing. GTTP/DC teacher training session for Chinese teachers.

**02-07/09/2012**
Discover the COSMOS' activities and outcomes will be presented in the main programme of the International conference on Science Communication, "Journées Hubert Curien", Nancy, France

## The Consortium

- Institute of Accelerating Systems and Applications (IASA)
- CERN
- Institut d'Astrophysique de Paris (IAP)
- University of Coimbra (UoC)
- University of Glamorgan (UoG)
- Cambridge University (CAM)
- Liverpool John Moores University (LJMU)
- Technical University of Dresden (TUD)
- University of Birmingham (UoB)
- Ellinogermaniki Agogi (EA)
- Núcleo Interactivo de Astronomia (NUCLIO)
- Science View
- Ministry of Education, Arts and Culture (BMUKK)
- Universidad Complutense de Madrid (UCM)
- Lawrence Berkeley National Laboratory (LBL)

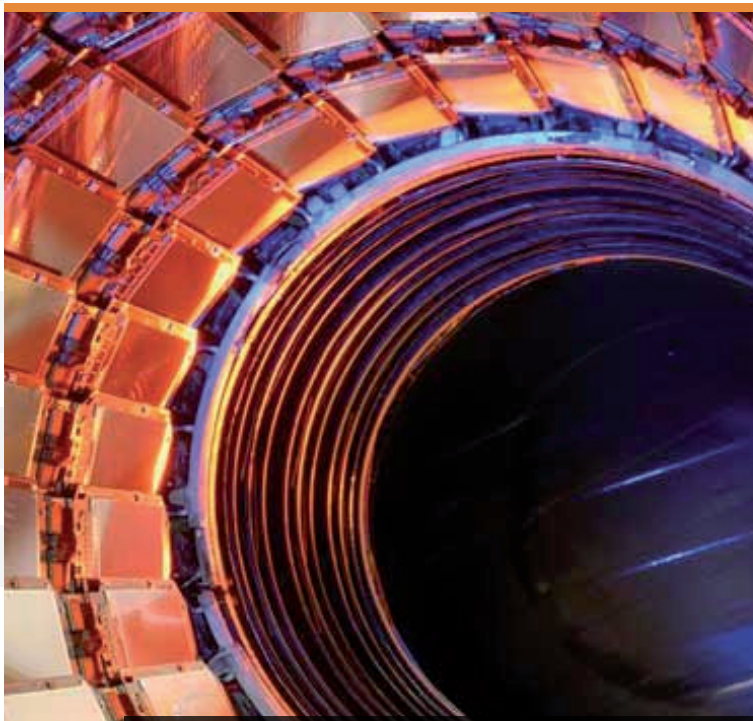
## Contact Details:

Prof. Christina Kourkoumeli
Discover the COSMOS Coordinator
Professor of Physics
National Kapodistrian University of Athens
hkourkou@phys.uoa.gr

## Follow us on Web

- portal.discoverthecosmos.eu
- www.discoverthecosmos.eu
- www.facebook.com/DtCosmos

# discover the COSMOS



## DISCOVER THE COSMOS:
e-Infrastructures for an Engaging Science Classroom

The Discover The COSMOS Project is financed by the European Commission's Framework Programme 7 (FP7)

SEVENTH FRAMEWORK PROGRAMME

## Introducing

The Discover the COSMOS coordination action aims to demonstrate innovative ways to involve teachers and students in eScience through the use of existing e-infrastructures in order to spark young people's interest in science and in following scientific careers. It aims to support policy development by a) demonstrating effective community building between researchers, teachers and students and empowering the latter to use, share and exploit the collective power of unique scientific resources (research facilities, scientific instruments,advanced ICT tools, simulation and visualization applications and scientific databases) in meaningful educational activities, that promote inquiry-based learning and appreciation of how science works, b) demonstrating effective integration of science education with e-infrastructures through a monitored-for-impact use of eScience activities, which will provide feedback for the take-up of such interventions at large scale in Europe and c) documenting the whole process through the development of a roadmap that will include guidelines for the design and implementation of effective educational and outreach activities that could act as a reference to be adapted for stakeholders in both scientific research outreach and science education policy.

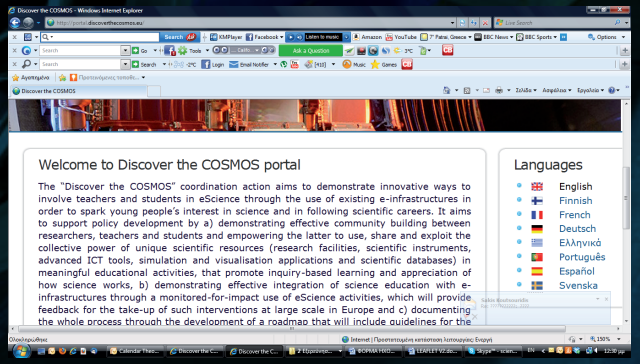
## The Website (www.discoverthecosmos.eu)

The development of the Discover the COSMOS website allows for constant online presentation and dissemination of the project progress and results. The website acts as the main hub of information about all projects' planned activities and serves as a provider of suitable educational activities in schools.


## The Portal

***portal.discoverthecosmos.eu***

At the same time our website is an entryway to the Discover the COSMOS portal which makes projects' resources available to teachers, students and researchers.




## Some of Our Activities


1. Cern's exhibition **"This Cosmos the small, the Great"** in the school of Ellinogermaniki Agogi in Athens, Greece. This exhibition guided the visitor to the European Organization for Nuclear Research (CERN) and the Large Hadron Collider, within the premises of an educational institution, through interactive exhibits and educational applications. The hosting of the exhibition for the first time in a school, helped nearly 6000 visitors, mainly students and teachers, to understand the basic principles of operation of these complex tools, and scientific methodology.

2. The first **DISCOVER THE COSMOS Summer School took place in July in Crete**, Greece (1-6/7/2012). A specific website was developed in order to give all the needed information at http://dtc.ea.gr. The course's objective was to enhance science education by presenting the fabric of the cosmos as was shaped by scientific evidence and explanations through 400 years of scientific advancement. Participants familiarized themselves with a large amount of digital science education content, which currently exists in history-of science museums, archives and science centers' collections and digital repositories. Participants had the chance to develop skills in using learning technologies in modes and settings as diverse as a history-of-science museum visit, or a virtual tour in ATLAS-CERN.