



# DISCOVER THE COSMOS

## Summer School

### Volos, Greece 30/7-4/8/2013

## Description

### From Telescopes to Accelerators - Enhancing Science Education by Exploring Science's Past, Present, and Future

Our second **DISCOVER THE COSMOS** Summer School will take place in Volos, Greece (30/7-4/8/2013). The initial description of the event can be found here:

<http://ec.europa.eu/education/trainingdatabase/index.cfm?fuseaction=DisplayCourse&cid=35058>



The course's objective is 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. The course will focus on a) 17th century's optics instruments (i.e. telescopes and microscopes) and how these instruments have influenced the making of modern science, b) 20th century's telescopes and accelerators, which have probed the inner and outer boundaries of the matter and the universe, and c) 21st century's facilities such as CERN's Large Hadron Collider (LHC) and the new generation of space telescopes, which will provide answers to the yet open sub-atomic and cosmological questions. Participants will familiarize 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 will 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. The integration of the past, present and future of the scientific endeavor will impart, to the school's science curriculum, the dynamics of a common European scientific heritage, strong enough to address the challenges of tomorrow.

The course will also strengthen its socially cohesive and Europe-wide dimension by introducing the participating teachers/trainers to social-tagging learning objects, educational metadata and learning objects repositories, together with hands-on experiences on practical approaches and tools that are commonly used to support the learning object paradigm. To this end, the proposed training course is anticipated to facilitate European teachers and trainers in finding a way that will allow for integration of educational resources of the science centers and history-of-science museums to the science curriculum.

Participation in this event is funded by the European Commission through the Comenius and Grundtvig programmes: therefore interested teachers or trainers can simply contact their relevant National Agency. The list of eligible countries (EU ones plus Turkey, Croatia, FYROM) and the contact details of the National Agencies can be found here:

[http://ec.europa.eu/education/lifelong-learning-programme/doc1208\\_en.htm](http://ec.europa.eu/education/lifelong-learning-programme/doc1208_en.htm).

**The deadline for applications is January 16th, 2013.** So we strongly suggest that:

(a) You ask the members of your teams that are working with the learning design and implementation of learning scenarios to apply for Comenius (for school staff) and Grundtvig (for university/adult training staff) funding through your National Agencies, so that they can participate in the Summer School.

(b) You forward this opportunity to contacts that could be interested (e.g. external institutions with which you are already working on learning design activities), letting them know about this training opportunity and inviting them to apply for funding. We would particularly encourage the participation of teachers/trainers that have been involved in the past in one or more of the project workshops.

For any further information please contact our colleagues from EA who are coordinating the organization of the event ([angelos@ea.gr](mailto:angelos@ea.gr)) and ([sotiriou@ea.gr](mailto:sotiriou@ea.gr)).

## Guidelines

### Detailed Guidelines

(from <http://ec.europa.eu/education/trainingdatabase/instructions%20for%20applying-EN.doc>)

### How to apply for a grant:

1. Contact your own National Agency to obtain information on the grant application procedures and to check the deadline for submitting your application. National Agency contact details can be found at: [http://ec.europa.eu/education/programmes/llp/national\\_en.html](http://ec.europa.eu/education/programmes/llp/national_en.html)
2. Once you have selected the training event <http://ec.europa.eu/education/trainingdatabase/index.cfm?fuseaction=DisplayCourse&cid=35058>, contact the training organizer to check that places are still available. You may need to enclose confirmation of your provisional registration for the training with your grant application.
3. Send your grant application form to your National Agency following the defined application procedure.
4. Your National Agency will inform you if you have been awarded a grant, normally 7-10 weeks after the application deadline.
5. You should then immediately contact the training provider to formally register for the course or to confirm your pre-registration. If you have not been awarded a grant but made a pre-registration, it is your responsibility to cancel this.
6. From the moment your National Agency confirms that you have been awarded a grant, you have responsibilities towards the training provider. If you cancel your attendance at the event, you will be responsible for paying any cancellation fees which the training provider may claim. Only in very exceptional cases of force majeure (e.g. serious illness or death of the grant applicant or a family member) may your National Agency pay cancellation fees using grant money.
7. If the training organizer cancels the training at short notice, you may ask him/her for compensation if you have already incurred costs. Neither your National Agency nor the European Commission can be liable. However, in justified cases your National Agency may decide to cover these costs using the grant awarded. If your training event is cancelled, your National Agency may give you the opportunity to select another one (contact your Agency for further details).
8. At the end of the training event, the organizers must hold an evaluation session. Your opinion on the quality of the training is important; training which is considered to be of poor quality can be further investigated by the National Agency.
9. At the end of the training event, the organizers should distribute a course attendance certificate, which is proof of having carried out the training activity.
10. Within 30 calendar days after the end of the activity you must send the Final Report to your Agency. Approval of the Final Report is the basis for formal settlement of the awarded grant. The Final Report form is downloadable from your Agency's website.

Should you need any further information, please contact your National Agency.



### Contact us:

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