

PROGRAMME

ACTIVITIES

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
	30 June 2013	1 July 2013	2 July 2013	3 July 2013	4 July 2013	5 July 2013	
Morning Sessions	<p>Arrivals</p> <p>(Bus from airport departs at 15:00)</p>	<p>09:00 – 12:00 Introduction (Knossos B)</p> <p>What is Inquiry-Based Science Teaching</p> <p>Responsible: Olivia Dieser, Dr. Anne Liefelaender University of Bayreuth, Germany</p>	<p>09:00 – 12:00 Workshop 2 (Knossos B)</p> <p>Group work: Brainstorming on the steps of inquiry-based teaching</p>	<p>09:30 – 16:00 Visit</p> <p>Natural History Museum of Crete</p> <p>12:30 – 13:30 Plenary Session</p> <p>Scientix: The Community for Science Education in Europe Dr. A. Gras-Velazquez European Schoolnet, Belgium</p> <p>14:00 Traditional lunch</p>	<p>09:00 – 10:00 Workshop 5 (Knossos B)</p> <p>Upload of your inquiry-based scenario on educational repositories and portals</p> <p>10:00 – 11:00 Visionary Workshop</p> <p>Global Online Science Labs for Inquiry Learning at School Dr. G. Mavromanolakis Ellinogermaniki Agogi</p> <p>11:00 – 12:00 Plenary Session</p> <p>The significance of misconceptions Dr. G. Mavromanolakis Ellinogermaniki Agogi</p>	<p>09:30 – 11:00 Presentations II (Knossos B)</p> <p>Presentation of your inquiry-based scenario</p> <p>11:00 – 12:00 Closing Session</p> <p>Reflection & Certificates</p>	<p>12:00 – 13:00 Plenary Session (Knossos B)</p> <p>Taking a stand on creativity Prof. Anna Craft Open University, UK</p>
Afternoon and Evening Sessions	<p>18:00 – 20:00 Opening session (Knossos A)</p> <p>Welcome Prof. George Neofotistos University of Crete, Greece</p> <p>Shaping dynamics of transformed learning: Inclusive Education Dr. Alan Bruce Universal Learning Systems, Ireland</p> <p>Enabling creativity and inquiry through science in early years education Dr. Esme Glauert, University of London, UK</p> <p>Strategies for developing scientific literacy Prof. Rodger W. Bybee Biological Sciences Curriculum Study, USA</p>	<p>16:00 – 19:00 Workshop 1 (Knossos B)</p> <p>Group work: development of an inquiry-based scenario</p>	<p>16:00 – 17:30 Workshop 3 (Knossos B)</p> <p>Development of your inquiry-based scenario</p> <p>18:15 Visit</p> <p>Skinakas Observatory & Traditional dinner</p>	<p>17:00 – 19:30 Workshop 4 (Knossos B)</p> <p>Development of your inquiry-based scenario</p>	<p>15:30 – 19:00 Presentations I (Knossos B)</p> <p>Presentation of your inquiry-based scenario</p> <p>20:00 Farewell Dinner</p>	<p>Departures</p> <p>(13:30 bus to airport 15:00 arrival at airport)</p>	

Visit to the Skinakas Observatory (July 2)



The Skinakas Observatory is located on mountain Ida in central Crete at an altitude of 1750m, 57km by road from the Iberostar Creta Panorama Hotel. Before arriving at the observatory, we will make a stop for dinner at the traditional village of Anogia. Participants will have the opportunity to learn about the Skinakas telescope and use it in order to make observations. Besides scientific research, Skinakas is also used for education in astronomy and is the main observatory of the DISCOVERY SPACE Network (<http://www.discovery-space.net>).

Programme:

18:15	Departure from Iberostar Creta Panorama Hotel
20:00 - 22:00	Arrival at Anogia village - Dinner
22:30 - 00:30	Arrival at Skinakas Observatory Presentation of the Observatory - Observations
00:30 - 02:00	Departure from Skinakas Observatory - Arrival at Iberostar Creta Panorama Hotel

Visit to the Natural History Museum of Crete and the "Dinos of Patagonia" exhibition (July 3)

During the visit to the Natural History Museum of Crete (<http://www.nhmc.uoc.gr/en>) a do-it-yourself method for interacting with museum collections and online exhibit catalogues will be presented. Participants will be involved in playful learning smartphone-based activities to comprehend the links between actual museum exhibits and virtual/online information. This way, they will also have the opportunity to present their own thoughts and ideas by adding social tags to characterize exhibit-related digital educational content, and to play interactive quiz games. Our trip to the museum will finish with a visit to the 'Dinos of Patagonia' exhibition, displaying big and small carnivore dinosaurs, Cretaceous birds that could not fly, dinosaurs that would learn to fly, models for people with visual problems and many more amazing exhibits. Finally, visitors will be given the opportunity to engage in inspiring activities in "Dinopedia" through interactive electronic games and 3D displays, painting areas, virtual excavation, photo-studio, and much more. This activity is organized by the Natural History Museum of Crete and Ellinogermaniki Agogi.



Visionary Workshop on Global Online Science Labs for Inquiry Learning at School (July 4)



The Go-Lab project (<http://www.go-lab-project.eu/>) will offer a wide federation of existing virtual and remote online laboratories and databases with the aim to make them available and easily accessible for teachers and students throughout Europe. The service provided will aim to assist in modernizing current science teaching practices and provide more challenging, authentic and higher-order learning experiences for students. The Go-Lab tools will offer the opportunity to teachers to design online interactive experimentations for their students to engage in by accessing and controlling real instruments or using simulated solutions of their choice within pedagogically structured and scaffolded learning spaces that are extended with social communication facilities. Teachers and students will also be able to participate in a pan-European educational community aiming to promote scientific culture in society, and help young people to acquire a better understanding of the role of science in society. The project will implement large scale pilots in 15 countries across Europe in order to introduce the use of on-line labs and their integration in science teaching activities while engaging student in to extended joyful episodes of learning.