

## Summer School 2014, Greece, 13-18 Jul 2014

### “Global Online Science Labs for Inquiry Learning at School”

#### Description

Website: <http://golab2014.ea.gr>

The course is organized in the context of the project "Go-Lab: Global Online Science Labs for Inquiry Learning at School". Its main objective is to introduce to teachers the use of online virtual experimentations and remote laboratories as well as inquiry-based science teaching techniques in order to help them develop, improve and enhance their teaching skills and practices. These tools and techniques will facilitate them in engaging their students into science topics, in order to acquire scientific inquiry skills and experience the culture of doing science, under motivating circumstances, by undertaking active, guided, experimentation, carried out in renown scientific facilities and research centers.

The course will include presentations followed by practical sessions and workshops focusing on:

- Introduction to the concepts and skills of learning-design, inquiry processes and scaffolding
- Introduction to preparing, uploading and sharing digital learning resources and scenarios
- Presentation of inquiry-based learning activities for use in the science classroom
- Familiarization with on-line labs portals and educational digital repositories
- Presentation of popular social tools and science outreach websites
- Hands-on sessions working on on-line labs and resources related to science.

The course will also strengthen its social cohesive and pan-European dimension by inviting participants to be part of a community of practice that will allow them to exchange and share ideas, experiences, concerns and educational resources with fellow teachers across Europe and introduce them to on-line learning repositories, portals and educational metadata.

The repertoire of online labs, experimentations and best practices, and the educational tools that will be presented in combination with the hands-on activities will facilitate the participants in learning how to deploy and integrate them in their school environment and everyday science teaching practice and also how to contribute their own work into educational repositories and share it within a European community of practice.

To ensure the proper preparation for the training course the website will act as a main hub of communication and for sharing and distributing preparatory material with the participants. Through this website the participants will have access to all materials necessary for their preparation (suggested reading, relevant websites, guidelines etc) and a common workspace for uploading and downloading educational materials. Moreover, all the information regarding the training course such as the course description, the daily programme, travelling and accommodation guidelines will also be accessible through the website.

Participants will familiarize themselves with the training topics as well as the course methodology by accessing the relevant resources, materials and tools. Based on their interests they will be invited to participate into one of the working groups each of which will have a different main topic of focus.

To prepare for the training course they will be asked to complete a set of tasks:

- read the educational materials provided about learning-design and inquiry-based science education
- choose three applications (on-line science laboratories) from the provided list and reflect on how they could be deployed in teaching a specific subject in their school classroom
- develop an educational activity based on their ideas which will include the use of the applications they chose and an inquiry-based methodology template that will be provided
- upload the educational activity they have prepared on the course common workspace prior to the course
- The educational activities will be discussed in detail during the course and they will be further developed

**Participation in this course can be funded by the Erasmus+ Programme (Key Action 1, Mobility project for school education staff). The deadline for applications is March 17th, 2014**

Basic assistance and guidelines on how to submit an application for a grant can be found below.

## The steps to follow to apply for an Erasmus+ (School Education Staff Mobility) grant are:

1. Contact your National Agency to obtain information on the grant application procedures in your country. National Agency contact details can be found at:  
[http://ec.europa.eu/programmes/erasmus-plus/national-agencies\\_en.htm](http://ec.europa.eu/programmes/erasmus-plus/national-agencies_en.htm)
2. Contact us to express your interest in one of our courses and if you need assistance with the application procedure. By doing so we will reserve places for your school/organisation on the courses of your interest
3. Register your school/organisation on the European Commission Authentication Service (ECAS), if not already registered
4. Log in to the Participant Portal with your ECAS account details and register your organisation on the Unique Registration Facility (URF) to obtain your unique Participant Identification Code (PIC), if not already registered. The European Commission has produced a Participant Portal User Manual to help guide you through the process of registering on the portal. You may seek further assistance on this by contacting your National Agency
5. Download the application form for School education staff mobility of the Erasmus+ Programme (or ask your National Agency for a translated version)
6. You will receive our application assistance form, giving useful guidelines on how to fill it in according to the Erasmus+ Programme Guide
7. Fill in and submit the application form to your National Agency. The deadline is **17th of March 2014, 12:00 Brussels time**
8. Do not forget to inform us as soon as you get notified from your National Agency whether your grant application is accepted or rejected



The Go-Lab project is supported by the European Commission within the Seventh Framework Programme

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