

## GO-LAB

### About Go-Lab

The Go-Lab Project aims at:

1. *Creating a pedagogical framework for inquiry learning with online labs.* This framework will encompass an inquiry processes structure, and for each inquiry process a selection and specification of cognitive scaffolds. Scaffolds can be defined as a part of the Go-Lab online learning spaces or as activities of a teacher or a peer. Together, these will be included in a set of concrete inquiry classroom scenarios in which Go-Lab online labs play a pivotal role.
2. *Building of the Go-Lab federation of online labs.* The Go-Lab initiative aims to create a pool of online labs providing access to a large set of remote science laboratories. The project partners have been developing and testing innovative applications emulating real scientific work for many years. By using such online labs students will be supported in understanding scientific aspects of the world around and taking decisions about the applications of science.
3. *Providing one-click access to online labs and personalization facilities.* The Go-Lab Portal will be the unique gateway to online labs and will provide services to easily plug-in and share online labs by the lab-owners, as well as services to integrate additional features such as learning analytics, scaffolding, booking and bartering. Personalization features and inquiry apps will be designed taking into account learning preferences, competence levels, subject domains, and contexts. An app composer will be offered to teachers to design personalized user interfaces according to their teaching goals.
4. *Building of a Community.* Go-Lab will involve teachers, students, and researchers in collaborative learning activities by creating a comprehensive open learning network. In this way it is expected to extend the dialogue between scientists and the educational community, enforce the collaboration between schools and research organizations, and help young people to acquire better understanding of the role of science in the society.

See more at: <http://www.go-lab-project.eu/our-objectives>

## BECOME A GO-LAB PILOT TEACHER

### SUMMARY

A core network of one thousand (1000) teachers and their individual classes from all over Europe will work with Go-Lab, from October 2015 to June 2016, on the development, implementation and evaluation of the Go-Lab portal, educational resources repository and related activities.

### TEACHERS' TASKS FROM OCTOBER 2015 – JUNE 2016

#### Mandatory

- a) Fill in pre-questionnaire: Participate in the overall evaluation of the project by filling in the pre-questionnaire, only once, before you start any activity.
- b) Use the Go-Lab Repository: Go to Golabz (<http://www.golabz.eu>), browse through the laboratories and select at least 1 laboratory which you find interesting and would like to use in class.
- c) Implement at least one ILS in class: You can choose between
  - a. Implementing an existing ILS: <http://www.golabz.eu/spaces>
  - b. Adapting and modifying an existing ILS and implementing it in the class
  - c. Creating a brand new ILS (in your own language if possible), publishing it and then implementing it in the classroom
- d) Fill in the post-questionnaire: After each ILS implementation in class, whether it is an existing one, a modified one or a new one, you will have to fill in the post-questionnaire in order to evaluate its impact.

#### Non-mandatory

- a) Visit and use the Go-Lab user support material:
  - a. Go to the Go-Lab tutoring platform, <http://tutoring.golabz.eu>, and try out one of the offered activities:
    - i. Attend a new or recorded webinar
    - ii. Get in touch with one of the available tutors and ask your questions
  - b. Watch the available tutorials:  
<http://graasp.eu/ils/54c79d1c479265d7425bf50c?lang=en&type=anonymous>
- b) Contribute to Go-Lab dissemination: To help with the Go-Lab promotion and dissemination, you are invited to publish or share your experience and your activities



01/06/2015



Go-Lab Phase III – Pilot teachers

in national conferences and events by sending us a short description of your activity and 1-2 pictures.

## BENEFITS FOR TEACHERS

- Be part of the dynamic Go-Lab community which includes teachers from all over Europe and beyond.
- Have access to a high- quality selection of laboratories and inquiry learning spaces (ILSs) that can be used in the classroom.
- Possibility to attend the annual Go-Lab summer school and training workshops

## TEACHERS' CHARACTERISTICS

- Good knowledge of English (understanding, reading, writing);
- Teachers of Maths, Physics, Chemistry, Biology, Technology, Informatics or Primary school science teachers;
- Interest in learning and sharing experiences and good practices;
- Interest in the use of online laboratories.

## ANY QUESTIONS?

Send email to:

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**Subject:** [Go-Lab] Pilot Teacher