The specific needs that COMBLAB addresses

Students: Sensors exist in real life/jobs have to be capable to work with them. Teachers: some do not know how to use in an efficient way. Students: low achievement of scientific

competencies

Classroom:

Short time of data capture, it leaves time that can be used for competencial activities MBL

Teaching materials: No common framework



http://ec.europa.eu/dgs/education_culture/eve/alfresco/n/browse/workspace/Spaces Store/f1ea18cb-2bf8-11e1-ae22-537b3dc6e0b9

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2012-2014

The acquisition of science competencies using ICT real time experiments

COMBLAB



(Coordinator institution)









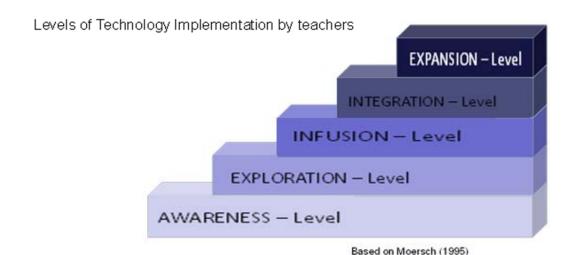


The motivations of COMBLAB

To give tools to science teachers to enhance Scientific, ICT and transversal competencies in secondary school students.

To create synergies between groups of teachers who are working on the topic, researchers and the educational authorities of the participating countries.

COMBLAB
COmpetency
MBL
LABoratory











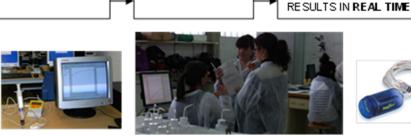




The objectives of COMBLAB are to...

- 1) Obtain research based **teaching materials** to enhance students 'acquisition of science competencies through ICT real time experiments. There is no an established way of using this technology in science classes, and COMBLAB aims to contribute to create a new framework.
- **2)** Obtain research based **teacher training materials** to enhance the mentioned competencies. As ICT real time experiments are a new technology, few teacher training materials are available, and in the project we aim to develop such materials.
- **3)** Share within the consortium and to *disseminate the* outcomes in a **public website** and in the future in national and international conferences and journals.
- **4)** *Create a community* of teachers/researchers from different countries of the consortium to exchange experiences and good practices in the field. To *contact with existing communities*.
- **5)** Create synergies with national and local education authorities of each of the countries of the consortium to promote that the use of the outcomes of the project is taken into account both in initial and continuous teacher training.

COMPUTER



INTERFACE

SENSOR