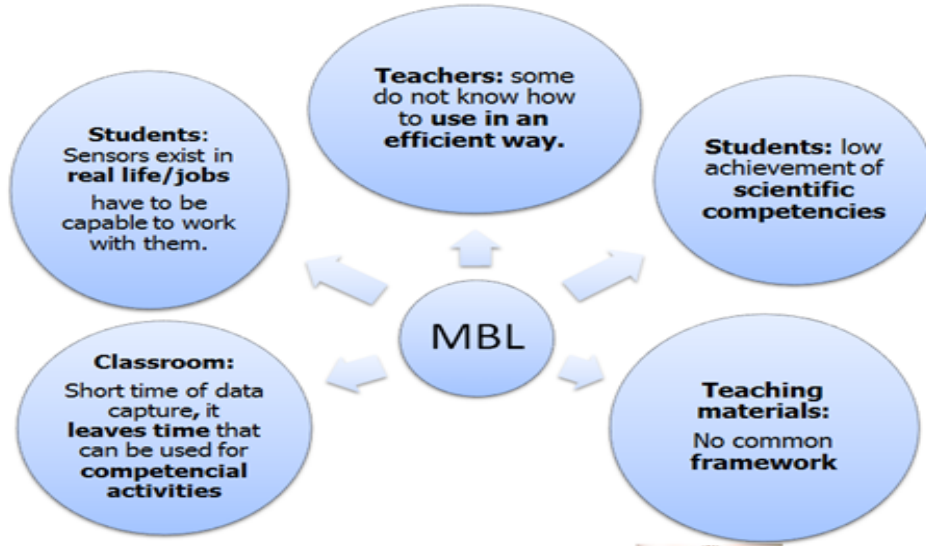


## The specific needs that COMBLAB addresses



[http://ec.europa.eu/dgs/education\\_culture/eve/alfresco/n/browse/workspace/SpacesStore/f1ea18cb-2bf8-11e1-ae22-537b3dc6e0b9](http://ec.europa.eu/dgs/education_culture/eve/alfresco/n/browse/workspace/SpacesStore/f1ea18cb-2bf8-11e1-ae22-537b3dc6e0b9)

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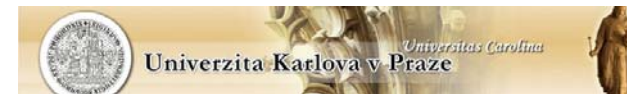
The acquisition of science competencies using ICT real time experiments

COMBLAB

**UAB**

Universitat Autònoma  
de Barcelona

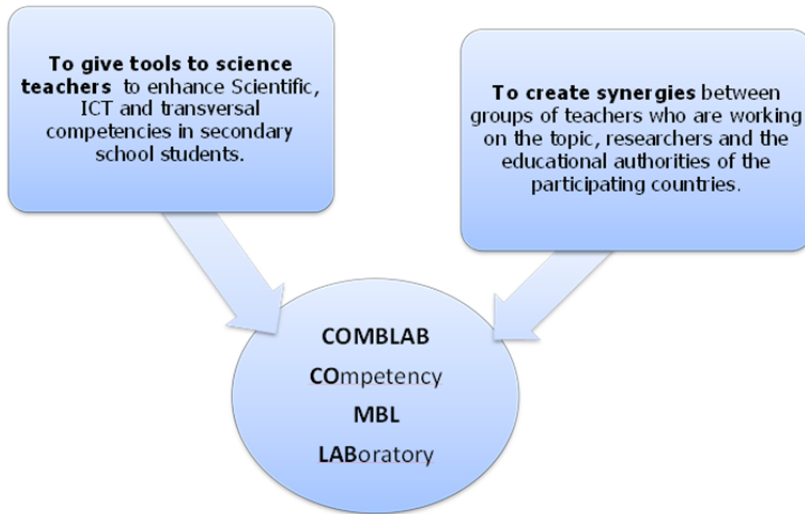
(Coordinator institution)



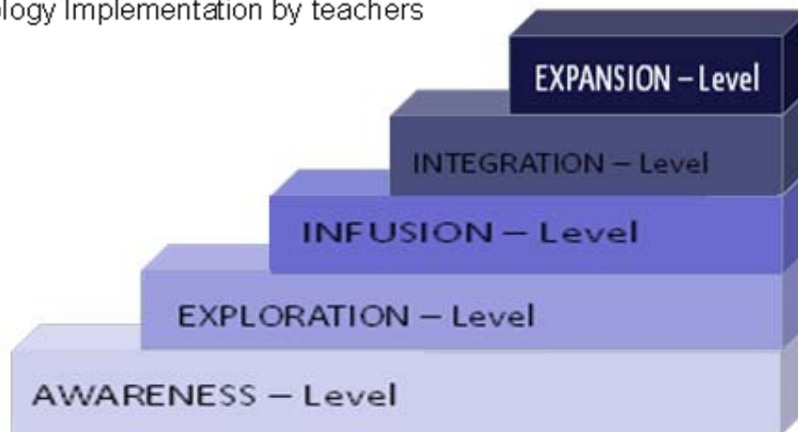
Universitat de Barcelona



## The motivations of COMBLAB



Levels of Technology Implementation by teachers



Based on Moersch (1995)

## 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.

