

Title : SCIENCE AS A TOOL FOR LIFE: CONCEPTUAL CHANGE [CON-SCIENCE]
Project type : SOCRATES / COMENIUS 2.1 - pilot project
Ref. no.: 118603-CP-1-2004-1-ES-COMENIUS-C21

Promoter/coordinator: Universidad Complutense de Madrid , SPAIN

Duration: 3 years

Actual stage: finalised, with the Final Report approved by the European Commission
Total value for the University: 291,28,21 Euro
Total value for the project: 215,537,50 Euro

Summary:

The overall aims of the projects are:

- To promote quality and innovation in teaching Science (Physics and Chemistry) by:
 - designing significant learning contexts,
 - using inexpensive creative materials,
 - using specific scientific language
 - promoting mobility of student teachers
- To detect misconceptions in teaching Science and introduce didactic interventions for the evolution of

The Specific Objectives are:

- To select essential common topics in Science that will serve as the basis for the educational intervention
- To improve the use of skills in order that teachers can detect the mental models of their pupils concerning Science
- To design experiments with inexpensive materials that will facilitate the detection of misconceptions in Science
- To improve comprehension of Science through the use of specific scientific language
- To provide a framework for mobility of student teachers by implementing mobility actions with official institutions
- To contribute in the removal of obstacles for mobility of student teachers
- To familiarize Science student teachers with the idea of team working in a European context
- To develop the exchange of information and good practice concerning Science among European student teachers

Partnership:

1. Universidad Complutense de Madrid (Spain) - Promoter
2. Staatliches Seminar f  r Didaktik und Lehrerbildung (Gymnasien) Rottweil (Germany)
3. Universidad de Alcal   (Spain)
4. Universidad SEK (Spain)
5. The Education Centre, Tralee (Ireland)
6. Universit   di Sassari (Italy)
7. Universita' Degli Studi di Pavia (Italy)
8. Universitatea din Pitesti (Romania)