

SiS – Project search

- X I offer **my expertise to participate as a Partner in a project**
→ **Please** complete all sections of the Form:

Call: FP7- SiS.2011.2.2.1-1

Topic: Supporting and coordinating actions on innovative methods in science education: teacher training on inquiry based teaching methods on a large scale in Europe

Offer valid until: Till 7FP Finishes

① Project Information

Activity of the SiS work Programme concerned :

Young people and Science

(Supporting formal and informal science education in schools as well as through science centres and museums and other relevant means)

Field of expertise related to the topic:

Post-Doc in Inquired Based Learning, namely in Problem Based Learning.

Published articles related to teaching science trough inquiry-based learning.

A 4 week internship in science education with a focus on Problem-Based Learning (PBL) in the Centre of Excellence for Research, Teaching, and Learning at Wake Forest University School of Medicine – North Carolina U.S.A. Attended sessions at the science museum to incorporate informal science education with formal science education through PBL implementation and spent multiple days in various classrooms observing PBL implementations practices.

Professor of Science Education and Supervisor of science teachers in training, master and PhD Students.

Potential Contribution to the project :

Production of Science inquired based materials to complement school science curricula, it's application within science teacher training or even to in service teacher.

Promote the more widespread use of problem and inquiry based science teaching techniques in primary and/or secondary schools as well as actions to bridge the gap between the science education and research community.

Production of thesis related to Inquired Based Learning and Problem Based Learning in science teaching written by PhD students.

Role in the project	
<input checked="" type="checkbox"/> Research <input checked="" type="checkbox"/> Training	<input checked="" type="checkbox"/> Dissemination <input type="checkbox"/> Technology development
<input type="checkbox"/> Other	
Project idea:	
<p>To do research related to science (in key topics of: Biology, Geology and Environmental Education) inquiry based learning in order to elaborate and evaluate curricular materials. The materials would be applied specifically in middle and secondary schools, but it is also possible to work with elementary teacher. The training of the teachers would include actions that contribute towards reflection and promoting pupils' cooperation, namely experiencing subject boundaries and interdisciplinary approaches. The team can also disseminate the results of the project and work in assessing the actions implemented.</p>	
Project description:	
<ul style="list-style-type: none"> - elaboration of science inquired based learning materials, namely by PhD students - training science teachers from elementary until secondary school - assessing the actions implemented - disseminating the results of the research 	
Already experience as a coordinator <input type="checkbox"/> yes x no or partner <input type="checkbox"/> yes x no If yes, in which projects? NO	
Other partners in the consortium already identified (with their countries) NO	

② Target Coordinator/Partner Sought	
Organisation details :	
<input checked="" type="checkbox"/> higher education / university	<input type="checkbox"/> industry/SME
<input checked="" type="checkbox"/> research institution	<input type="checkbox"/> consultancies
<input type="checkbox"/> public partner	<input type="checkbox"/> private partner
<input type="checkbox"/> NGOs / voluntary organisations	<input type="checkbox"/> other (specify)
<input type="checkbox"/> education	<input type="checkbox"/> No preferences
Expertise / competency :	
Assistant Professor in the Department of Geosciences, Environmental and Land Planning of The Faculty of Science of Oporto University- Portugal (Departamento de Geociências, Ambiente e Ordenamento do Território da Faculdade de Ciências da Universidade do Porto – Portugal)	
Research member of The Centre of Geology of Oporto University- Portugal (Centro de Geologia da Universidade do Porto- Portugal)	
Degree in Geology Master in Education Phd in Education Pos-Doc in Education	

3 Contact Details

Contact person	X Ms <input type="checkbox"/> Mr		
Organisation	Departamento de Geociências, Ambiente e Ordenamento do Território Faculdade de Ciências da Universidade do Porto		
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Short Profile of Organisation

The Science Faculty of Oporto University has been since its initiation in 1911, the school responsible for teaching Exact and Natural Sciences at the University of Porto. Over time, the teaching administered has been accompanied more closely by research and development activities. This has made possible the consolidation of scientific rigour which characterises its activity in training at graduate and post-graduate levels.

The quality and diversity of interests among its teaching staff not only secures the trans-disciplinary nature of the training offered and permanent updating of the teaching-learning contents and methods but also complements the unique conditions that the Science Faculty offers its students.

CGUP activities are centred on a global unifying project entitled "GEOSPHERE DYNAMICS, GEORESOURCES AND SUSTAINABLE DEVELOPMENT" and cater for research and staff interchange between three Research Groups which are comprised of 36 researchers, several Ph.D. students and research contracts.

Among some areas, the CGUP project also aims to contribute towards the "Geosciences Education" area with the objective of developing teaching strategies, methodologies and materials applied to geosciences and environmental education. Special attention is also dedicated to the production of didactical materials, under the scope of the supervision of Master and PhD theses and to the organization of initiatives designed to raise awareness of geosciences and sustainability in the scholar community such as workshops, teacher training activities, guided fieldtrips and student laboratory activities as well as educational projects. In the field of Environmental Education, projects related to the Interpretative Centre for Local Geology are being elaborated in cooperation with the Porto Municipal Council .

Clara Vasconcelos

Date: 9th November 2010.

I agree with the publication of my contact data on the EUROSIS website and on other national websites

yes X

no

Please fill in the partner search form and return it to the national contact point SiS.