

## SiS-Partner Search Form

I am a coordinator of a project looking for Partners

→ 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

### 1 Project Information

<b>Call Identifier</b>	FP7-SCIENCE-IN-SOCIETY-2011-1	<b>Deadline of call</b> Thursday 20 January 2011 at 17.00.00, Brussels local time
<b>Area</b>	ACTIVITY 5.2.2 Young people and science	<b>Deadline for responses</b> 3 December 2010
<b>Funding scheme:</b>		
Collaborative Research Project: <input checked="" type="checkbox"/> Small or medium scale focused project  <input type="checkbox"/> Specific cooperation actions dedicated to focused research projects (SICA)		Coordination and Support Action (CSA): <input checked="" type="checkbox"/> Coordination action <input type="checkbox"/> Support action
<b>Status</b>	<input checked="" type="checkbox"/> planned for submission	<input type="checkbox"/> running EU project
Other partners in the consortium already identified (with their countries)		
Already experience as a coordinator <input type="checkbox"/> yes <input checked="" type="checkbox"/> no      or partner <input type="checkbox"/> yes <input checked="" type="checkbox"/> no If yes, in which projects?		
<b>Project Description</b> (describe project idea briefly)		
<p>In recognizing that current classrooms do not adequately prepare and stimulate students for high standards of learning, existing educational reform emphasizes changes from teacher centered to more student centered approaches, where inquiry, scientific understanding, critical thinking, creativity, wonderment, self-directed learning, problem-solving abilities, and active engagement with science are promoted. However, regardless of all reform efforts, most of the current classrooms are taught in traditional approach. This becomes worldwide a concern in education. Research and well known educational organizations emphasizes continuous professional development of teachers under the assumption that professional development for science teachers is a lifelong process. It is regarded as an essential element if education is to be improved.</p> <p>Even teachers agreed to implement constructivist oriented teaching practice, they have trouble putting into practices. Identifying the types of problems that teacher experienced</p>		

is necessary for the success of the current reforms that require a substantive change in how science is taught. In order for teachers to move the direction envisioned by reform efforts they must be repeatedly given opportunities for implementing constructivist oriented teaching practices and continuously supported. Without changes and the commitment of teachers who are at the center of the reform, there can be no real success of the current reform initiatives. Other efforts concerning the educational system and curriculum reform are also necessary but will not be sufficient without the commitment and needed changes in the practices of teachers.

The purpose of this research is to develop a professional development for K-12 science teachers. So the teachers will have ongoing opportunities to improve their understanding about learning, inquiry, science content, and society. This will be a research based project and will be planned for 5-10 years. The focus will be to enhance teaching skills and content knowledge necessary and to prepare mentors ready to assist new teachers after the professional development sequence.

**Key words :**

Constructivism, Inquiry, Teacher Training, Innovative methods in science education

## 2 Target Partner Sought

**Target Partner Organisation type :**

<input checked="" type="checkbox"/> higher education / university	<input type="checkbox"/> industry/SME
<input 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 checked="" type="checkbox"/> education	<input type="checkbox"/> No preferences

**Target Partner Country :**

<input checked="" type="checkbox"/> any country	<input type="checkbox"/> member state
<input type="checkbox"/> specific country	<input type="checkbox"/> third country
<input type="checkbox"/> specific region	<input type="checkbox"/> associated country
	<input type="checkbox"/> International cooperation partner country (ICPC) specify

**Expertise required (key words) :**

Organizations related to education and training at all levels (researching, developing, planning, programming, leading, executing, evaluating, monitoring and controlling skills)

**Role of partner**

Research                       Dissemination                       Other

Training Technology development

### 3 Contact Details

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#### Short Profile of Organisation

The mission of MSU is to train individuals who think scientifically, use technology, search and produce, who are sensitive to problems in society, respectful of human and moral values and who possess adequate professional knowledge and skills. The vision of MSU is to become a leading university at national and international arena with its high quality education and professionally trained, well-equipped individuals. It aims to foster university-society cooperation by being integrated to all sectors of society, to contribute to the technological and cultural life in the region and the country and to become a modern university possessing universal values. We have carried out lots of social and academic activities so far. These vary from festivals to projects, European Union programmes such as Erasmus and Youth Programme, to conferences. Our university is making steady progress with its mission and vision summarized above.

Date: 25/10/2010

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

yes

no

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