



Partner Profile Form

Call FP7-AFRICA-2010

Date : 2009 10 30

Details of the organization and of the main researcher				
Contact person details				
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Organization/Research Group details				
Name	Centro de Petrologia e Geoquímica of Instituto Superior Técnico, Technical University of Lisbon			
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City	Lisbon	P.O Box	Country	Portugal
Website				
Organization activity type ¹	<input type="checkbox"/> HES	<input type="checkbox"/> IND	<input checked="" type="checkbox"/> REC	<input type="checkbox"/> N/A <input type="checkbox"/> OTH _____
Organization legal status type	<input checked="" type="checkbox"/> Public	<input type="checkbox"/> Private	<input checked="" type="checkbox"/> Non-profit	<input type="checkbox"/> OTH _____

Brief description of the activities of the research group/organization (max 12 lines)

The CEPGIST is a R&D Unit of Instituto Superior Técnico (IST) / Technical University of Lisbon, supplying research, teaching, advising, and consulting to the community. Most of CEPGIST members belong to the Department of Mining Engineering and Georesources. CEPGIST activities were focused towards two of the main problems of Geosciences in our Century: water and environmental sustainability, with an emphasis on groundwater quality and protection. Research topics include hydrogeology, water-rock interaction, isotope hydrology, economic geology, applied mineralogy and petrology. CEPGIST is aimed to combine basic research on Earth Sciences with the specific needs of the Georesources community, in a series of research topics:

- 1) Understand water-rock interactions related to shallow and deep circulating meteoric waters;
- 2) Adopt important technological capabilities to perform an integrated multi-approach water resources assessment,
- 3) Update knowledge on the inter-relations between climate, hydrology and groundwater resources,

Former participation in EU Framework Programmes (FP) projects

YES NO

If yes:

Project (s) Title / Acronym (Activities performed)	<p>- Project "Evaluation of the Geothermal Resources between Lamego and Vila Verde da Raia", Program JOULE da DGXII da CEE, Contract. No. JOUG-0009-C.</p> <p>- Project "Atlas of Geothermal Resources in Europe", Contract. No. JOU 2 - CT 93 - 0298.</p>
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¹ **Organization activity type (fill all that apply):** HES - Higher Education (i. e. organisations only or mainly established for higher education/training, e. g. universities, colleges); IND - Industry (i. e. industrial organisations private and public, both manufacturing and industrial services such as industrial software, design, control, repair, maintenance); REC - Research organization (i. e. "research organisation" means a legal entity established as a non-profit organisation which carries out research or technological development as one of its main objectives); OTH - Others; N/A - Undefined.


Topics of interest in the CALL FP7-AFRICA-2010

(http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.FP7DetailsCallPage&call_id=268&act_code=KBBE&ID_ACTIVITY=2)

Project Type Large Collaborative Project | CP-IP Small or Medium Collaborative Project | CP-FP Coordination and Support Action | CSA

Theme/topic	Scheme
Theme 1: HEALTH	
<input type="checkbox"/> HEALTH.2010.2.3. 2-4: Controlling malaria by hitting the vector: New or Improved – Vector Control Tools	CP – IP (SICA)
<input type="checkbox"/> HEALTH.2010.2.4. 1-4: Infectious agents and cancer in Africa	CP – FP (SICA)
<input type="checkbox"/> HEALTH.2010.3.4-1: Develop and assess key interventions and policies to address the human resource crisis in the health sector	CP – FP (SICA)
<input type="checkbox"/> HEALTH.2010.3.4-2: Feasibility and Community effectiveness of Innovative intervention packages for maternal and newborn health in Africa	CP – FP (SICA)
<input type="checkbox"/> HEALTH.2010.3.4-3: Building sustainable capacity for research for health in Africa	CSA (CA)
<input type="checkbox"/> HEALTH.2010.3.4-4: Assessment of migrants' health, disease patterns and impact on health systems	CSA (CA)
Theme 2: FOOD, AGRICULTURE, AND FISHERIES, AND BIOTECHNOLOGY	
<input checked="" type="checkbox"/> KBBE.-2010.1.-2-03: Sustainable water resources Management (WRM) and Soil fertility conservation for food production in Africa – SICA (Africa)	CP – FP (SICA)
<input type="checkbox"/> KBBE.2010.2.2-03: Identifying research needs on malnutrition in Africa – (Mandatory Africa)	CSA (SA)
<input type="checkbox"/> KBBE.2010.3.5-02: Coping with water scarcity in developing countries: Role of biotechnology in water treatment –Mandatory ICPC (Africa)	CSA (CA)
<input type="checkbox"/> KBBE.2010.4-02: Networking of nongovernmental Organisations involved in agricultural research for development	CSA (CA)
Theme 6: ENVIRONMENT (INCLUDING CLIMATE CHANGE)	
<input type="checkbox"/> ENV.2010.1.2.1-1: The effect of environmental change on the occurrence and distribution of water related vector-borne diseases in Africa	CP – FP (SICA)
<input type="checkbox"/> ENV.2010.1.3.3-1: Early warning and forecasting systems to predict climate related drought vulnerability and risks in Africa	CP – FP (SICA)
<input checked="" type="checkbox"/> ENV.2010.2.1.1-1: Integrated management of water and natural resources in Africa	CP – FP (SICA)
<input type="checkbox"/> ENV.2010.3.1.1-3: Decentralised water supply and Sanitation technologies and systems for small communities and peri-urban areas	CP – FP (SICA)
<input checked="" type="checkbox"/> ENV.2010.3.1.1-4: Water harvesting technologies in Africa	CP – FP (SICA)

Expertise/ Commitment offered

Keywords specifying the expertise:

Description of the expertise:

CEPGIST was been mainly focused on the interpretation of geochemical and isotopic signatures of surface and groundwaters, as an crucial tool to obtain information on the "history" of groundwaters, including its origin, flow paths and water-rock interaction, basis for the development of robust hydrogeological conceptual models.

Other areas of intervention have been: i) application of geochemical and isotopic methods in the resolution of environmental problems, ii) increase knowledge about the inter-relationships between climate and hydrogeology in urban areas, iii) interact with government institutions, with industry, and the community in general, under the scope of Geosciences.

Role/Commitment offered

Technology development Research Demonstration
 Training Dissemination OTH _____

I agree with the publication of my/our data: NO YES

Please fill in the Partner Profile Form and return it to (no later than the 11th of September 2009)

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