

Section 1 - Contact details

Organisation Name (full name)	Institut for Ecosystem Study
Organisation acronym (Abbreviation)	ISE
Address	Via Madonna del Piano n.10
Postal code	51100
City	Sesto Fiorentino (Firenze)
Country	Italy
www address	www.ise.cnr.it

Contact person:	
Title	Dr
First Name	Luigi Paolo
Family Name	D'Acqui
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Section 2 – Type of organisation

If you are an Enterprise

Enterprise type	<input type="checkbox"/> Private <input type="checkbox"/> Non profit	Is your Company a Small-Medium sized Enterprise (SME)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	<input checked="" type="checkbox"/> Public <input type="checkbox"/> Other		if YES, Number of Employees
			<input type="checkbox"/> < 10 <input type="checkbox"/> > 10 and < 50 <input type="checkbox"/> < 250
<p>According to Article 2 of the annex of Commission Recommendation 2003/361/EC of 6 May 2003, which applies from 01 January 2005, an SME (Micro, Small or Medium-sized Enterprise) is an enterprise which:</p> <ul style="list-style-type: none"> • has fewer than 250 employees, • has an annual turnover not exceeding 50 million euro, and/or • an annual balance-sheet total not exceeding 43 million euro. <p>http://europa.eu.int/comm/enterprise/enterprise_policy/sme_definition/index_en.htm</p>			
Owned by a non SME:		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Description of the organisation (max 1.000 characters):			
<p>The Institute's basic and applied research activity is in the field of water and land ecosystems, and is involved in understanding how ecosystems react to the impact of global climate change and anthropogenic pressure. Its main objective is to generate the scientific knowledge that must precede any protective and corrective measures on the environment, in support of the authorities responsible for applying such measures.</p>			

If you are an Association

Association type	<input type="checkbox"/> SME <input type="checkbox"/> Industrial	Sector of activity	
	<input type="checkbox"/> Cultural <input type="checkbox"/> Civil society		
	<input type="checkbox"/> Other:		
Description of the association (max 1.000 characters):			

If you are a research organisation

Research Organisation type	Research Organisation (<input type="checkbox"/> Private <input checked="" type="checkbox"/> Public) High Education School / University / Institute (<input type="checkbox"/> Private <input type="checkbox"/> Public) <input type="checkbox"/> Other, please specify:
<p>Description of the organisation (max 1.000 characters): The mission of CNR is developing, diffusing, promoting research activities in the main fields of the knowledge, and studying their application for scientific, technological and economic progress of Italy.</p> <p>The goal is achieved by means of a matrix organization crossing the seven Thematic Departments (organization units dedicated to macro-areas of scientific and technological research) with the network of Research Institutes, scattered on the national territory.</p>	

Section 3 – Sector of interest

Horizon 2020	<p>Industrial Technologies</p> <p><i>Leadership in enabling and industrial technologies</i></p> <p><input type="checkbox"/> ICT <input type="checkbox"/> Nanotechnologies, materials, biotechnology, manufacturing, <input type="checkbox"/> Space</p> <p>Societal Challenges</p> <p><input type="checkbox"/> Health, demographic change and wellbeing <input checked="" type="checkbox"/> Food security, sustainable agriculture, marine and maritime research & the bioeconomy <input type="checkbox"/> Secure, clean and efficient energy <input type="checkbox"/> Smart, green and integrated transport <input checked="" type="checkbox"/> Climate action, resource efficiency and raw materials <input type="checkbox"/> Inclusive, innovative and reflective societies <input type="checkbox"/> Security society</p>
Further information on the sector of interest (max. 500 characters)	
Research topic according to the work programme	Soil C sequestration. To exploit a new approach for quantifying the stabilized C in soil aggregates (physically protected) based on Low-Temperature Ashing (LTA) technique.

Section 4 - Description of your expertise

<p>Description of the expertise (max 2.000 characters)</p>	<p>Expertise in soil physics and chemistry, spectroscopy, micro-morphology, soil organic matter, dynamics and interactions of organics with mineral colloides, soil C sequestration. In particular, it has been set up a methodology to quantify the physical protected soil C to be useful for the establishment of baselines of C levels in different soils. Participation in FP European Projects as Partner and, in one, as Coordinator:</p> <ul style="list-style-type: none"> - Use of indigenous N₂-fixing cyanobacteria for sustainable improvement of soil biogeochemical performance and physical fertility in semiarid tropics (CYANOSOILS); Coord. - Biotic and Abiotic Mechanisms of TSE Infectivity Retention and Dissemination in Soil (TSE-SOIL-FATE); P - Southern African Savannas: sustainable management of natural resources (soil, water, flora & fauna) a synthesis study of human impacts and enhancement of economic and social benefits" (SAVANE); P - Fate and impact of pesticidal proteins from Bacillus Thuringensis in tropical soils and waters as influenced by interactions with clays (MICROBE); P - Improvement of productivity of crusting soils and depleted sandy soils in Zimbabwe areas under intensive cropping. P
<p>Keywords describing the expertise offered (if needed more than one)</p>	<ol style="list-style-type: none"> 1. Soil C sequestration 2. 3.

Section 5 – Your previous experience in FP projects

<p>Former participation in FP European projects?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>If YES</p>	<p>Please choose Project title: See previous section Acronym:</p>
<p>Activities performed</p>	<p><input checked="" type="checkbox"/> Research <input type="checkbox"/> Demonstration <input type="checkbox"/> Training <input type="checkbox"/> Technology <input type="checkbox"/> Dissemination <input type="checkbox"/> Management <input type="checkbox"/> Other:</p>
<p>Please describe briefly (max. 700 characters):</p>	<p>See previous section</p>

Section 6 – Expectations

Term commitment	<input type="checkbox"/> Short (< 1 year) <input checked="" type="checkbox"/> Medium (1 to 3 years) <input type="checkbox"/> Long (more than 3 years)
Commitment offered	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Demonstration <input type="checkbox"/> Training <input type="checkbox"/> Technology <input type="checkbox"/> Dissemination <input type="checkbox"/> Management <input type="checkbox"/> Other:
Proposed role in the project	<input type="checkbox"/> Coordinator <input type="checkbox"/> Work package leader <input checked="" type="checkbox"/> Partner <input type="checkbox"/> Other role:
Expected results for your organisation (max 500 characters)	The technique for OC removal based on LTA can provide to an unbiased estimate of soil C stocks for the different management approaches. This is of paramount importance to establish baselines of soil C stabilized in agricultural and natural soils.

Section 7 – International cooperation

Are you interested in international cooperation?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If YES, Please specify the geographical area(s) of interest	<input checked="" type="checkbox"/> Mediterranean area <input type="checkbox"/> Balkan area <input type="checkbox"/> Russia and NIS (Newly independent States) <input type="checkbox"/> Asia <input checked="" type="checkbox"/> Africa <input type="checkbox"/> South America <input type="checkbox"/> Other:

I agree with the publication of my data

Please fill in the form and send to: ricercapartner@apre.it