

Profile form Horizon 2020

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Section 1 - Contact details

Organisation Name (full name)	Enel Green Power SpA
Organisation acronym (Abbreviation)	EGP
Address	Viale Regina Margherita 125
Postal code	00198
City	ROMA
Country	Italy
www address	www.enelgreenpower.com

Contact person:	
Title	Dr.
First Name	Sandra
Family Name	Scalari
Telephone	+39 050 6185582
Fax	
E-mail	sandra.scalari@enel.com

Section 2 – Type of organisation

If you are an Enterprise

Enterprise type	<input checked="" 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 type="checkbox"/> Public <input type="checkbox"/> Other		<input type="checkbox"/> < 10 <input type="checkbox"/> > 10 and < 50 <input type="checkbox"/> < 250
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: <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. http://europa.eu.int/comm/enterprise/enterprise_policy/sme_definition/index_en.htm			
Owned by a non SME:		<input type="checkbox"/> YES <input type="checkbox"/> NO	
Description of the organisation (max 1.000 characters): Enel Green Power is the Enel Group company that develops and manages energy generation from renewable sources at a global level, with a presence in Europe, the Americas and Africa. EGP is a major global operator in the field of energy generation from renewable sources, with an annual production of 29 TW/h, mainly from Water, the Sun, Wind and the Earth's heat, meeting the energy consumption of over 10 million families and avoiding 16 million tonnes of CO2/year. EGP operates some 740 plants in 15 countries, in Europe, the American continent and Africa, with an installed capacity of about 9800 MW (2014), and with a generation mix that includes wind, solar, hydro, geothermal, and biomass. This geographical diversification allows it to maximise the strategic growth options, while minimising regulatory and country risk.			

If you are an Association

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

If you are a research organisation

Research Organisation type	Research Organisation (<input type="checkbox"/> Private <input type="checkbox"/> Public) High Education School / University / Institute (<input type="checkbox"/> Private <input type="checkbox"/> Public) <input type="checkbox"/> Other, please specify:
Description of the organisation (max 1.000 characters):	

Section 3 – Sector of interest

Horizon 2020	<h3 style="text-align: center;">1- Industrial Technologies</h3> <p><i>Leadership in enabling and industrial technologies</i></p> <p> <input checked="" type="checkbox"/> ICT <input checked="" type="checkbox"/> Nanotechnologies, materials, biotechnology, manufacturing, <input type="checkbox"/> Space </p> <p><i>Innovation in SMEs</i></p> <p><input type="checkbox"/> Innovation in SMEs</p> <h3 style="text-align: center;">2- Societal Challenges</h3> <p> <input type="checkbox"/> Health, demographic change and wellbeing <input checked="" type="checkbox"/> Food security, sustainable agriculture, marine and maritime research & the bioeconomy <input checked="" type="checkbox"/> Secure, clean and efficient energy <input type="checkbox"/> Smart, green and integrated transport <input type="checkbox"/> Climate action, resource efficiency and raw materials <input type="checkbox"/> Inclusive, innovative and reflective societies <input type="checkbox"/> Security society </p>
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<p>Further information on the sector of interest (max. 500 characters)</p>	<p>Food security, sustainable agriculture, marine and maritime research & the bioeconomy - Blue Growth call 2016</p> <p>Targeted innovation in our seas and oceans and an optimal use of the wide variety of research infrastructures available can play a key role in tackling global challenges such as the scarcity and vulnerability of strategic resources (e.g. for food, energy, transport, etc.), while providing valuable ecosystem services factoring in climate change. This has the potential to provide more jobs, growth, renewable energy sources and climate-smart solutions.</p>
<p>Research topic according to the work programme</p>	<p>BG-03-2016: Multi-use of the oceans' marine space, offshore and near-shore: compatibility, regulations, environmental and legal issues.</p> <p>EGP is strongly interested in the evaluation of market potentials & resource availability of combined marine activities the medium/long run and in different geographical contexts.</p>

Section 4 - Description of your expertise

<p>Description of the expertise (max 2.000 characters)</p>	<p>Enel Green Power, a world leader in renewable energy generation, intends to become one of the most important players in the generation of electricity from ocean source. Currently it is actively participating in the development of several prototypes, and development test sites to test them.</p> <p>Enel Green Power as it has done in past, intends to participate in the various European Tenders that aim to develop the energy of the sea.</p> <p>Enel Green Power, and 40South Energy, a group of highly innovative companies operating in the field of marine energy at the international level, last year began the installation and commissioning of a first R115 generator, with a nominal capacity of 150 kW and installed capacity of about 100 kW, generating electricity from the energy produced by the waves of the sea around Tuscany.</p> <p>During the year, Enel Green Power has also entered into a partnership with the French company DCNS to share the status of their activities in the field of marine energy in order to develop any projects together internationally.</p> <p>In addition, and 'it started a further collaboration with the Finland company AW Energy, aimed at analyzing the respective technology development activities both in the field of marine energy.</p> <p>Finally, efforts are scouting and selection technology to detect and evaluate other companies developing promising generators marine source, such as Wave for Energy that are already testing a WEC in Pantelleria Island (Italy).</p>
<p>Keywords describing the expertise offered (if needed more than one)</p>	<ol style="list-style-type: none"> 1. Renewable energy 2. Marine Energy 3. Technology prototypes and demonstration

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>
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If YES	Please choose Project title: Acronym:
Activities performed	<input type="checkbox"/> Research <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Training <input checked="" type="checkbox"/> Technology <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Management <input type="checkbox"/> Other:
Please describe briefly (max. 700 characters):	<p>EGP has been participating to several projects in FP7 and in H2020 programs, both as partners and as coordinators, in the different fields of interest, especially geothermal, and solar energy. Below the most recent projects are reported briefly:</p> <ul style="list-style-type: none"> - IMAGE (FP7 2013-2017): Integrated Methods for Advanced Geothermal Exploration. The IMAGE project is developing a reliable science based exploration and assessment method to "IMAGE" geothermal reservoirs using an interdisciplinary approach based on three general pillars. - MeProRisk (2012-2015): Methods for Prediction and Risk Assessment. The "project, aims at further developing and evaluating tools to optimize both exploration and exploitation of large geothermal fields. - DESCRAMBLE (H2020 2015-2018): Drilling in dEep, Super-Critical AMBients of continenta Europe (2015- 2018). The aim of the project is to develop novel drilling technologies for a proof-of-concept test of reaching deep geothermal resources and to contribute to a low-carbon European society - FAST TRACK (FP7 2012-2015): Accelerated development and prototyping of nano-technology-based high-efficiency thin-film silicon solar modules. The targets of the project was to achieve solar cells with 14% stable efficiency, leading to the demonstration of reliable production size prototypes module at 12% level with cost below 0.5€/Wp - AGATHA (FP7, 2010-2013): Development of novel materials, device structures and fabrication methods suitable for thin film solar cells and TCOs including organic photovoltaics. - SOPHIA (FP7, 2011-2015): The project offers experimental facilities in the field of PV technologies to European researchers under the 7th Framework program project. The project aims to provide the industrial and scientific communities with common referential to conduct efficient and coordinated research works in the field of PV technologies and applications.

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 type="checkbox"/> Research <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Training <input type="checkbox"/> Technology <input checked="" 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 checked="" type="checkbox"/> Other role: Industrial End User Role
Expected results for your organisation (max 500 characters)	<p>EGP, in the framework of its innovation activities in the field of marine energy, is strongly interested in the opportunities coming from the combination of several activities, renewable energy, aquaculture, maritime transport and related services, in the same marine space.</p> <ul style="list-style-type: none"> • Contribution to the understanding and definition of new regulation framework related to combined marine activities

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	<ul style="list-style-type: none"> • Better understanding of risks associated with the commercial development of combined activities offshore as well as near-shore and of social acceptance issues of these new developments by local communities and society-at-large . • First evaluation of concentrate activities design, development, technologies and standards.
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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 checked="" type="checkbox"/> Asia <input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> South America <input checked="" type="checkbox"/> Other: North America

I agree with the publication of my data

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