



**FCT** Fundação  
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# Portuguese H2020 Raw Materials Infoday

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Portuguese Delegation to the Horizon 2020 Societal Challenge "Climate action, environment, resource efficiency and raw materials" Programme Committee

Portuguese Participation  
Societal Challenge Climate Action  
2014-2017

## Portuguese participation at the SC Climate Action (2014 – 2017)

☑ Submitted proposals: 214

☑ Funded projects: 61

☑ PT coordinations: 4 (LNEC, DEIMOS (2), FCT)

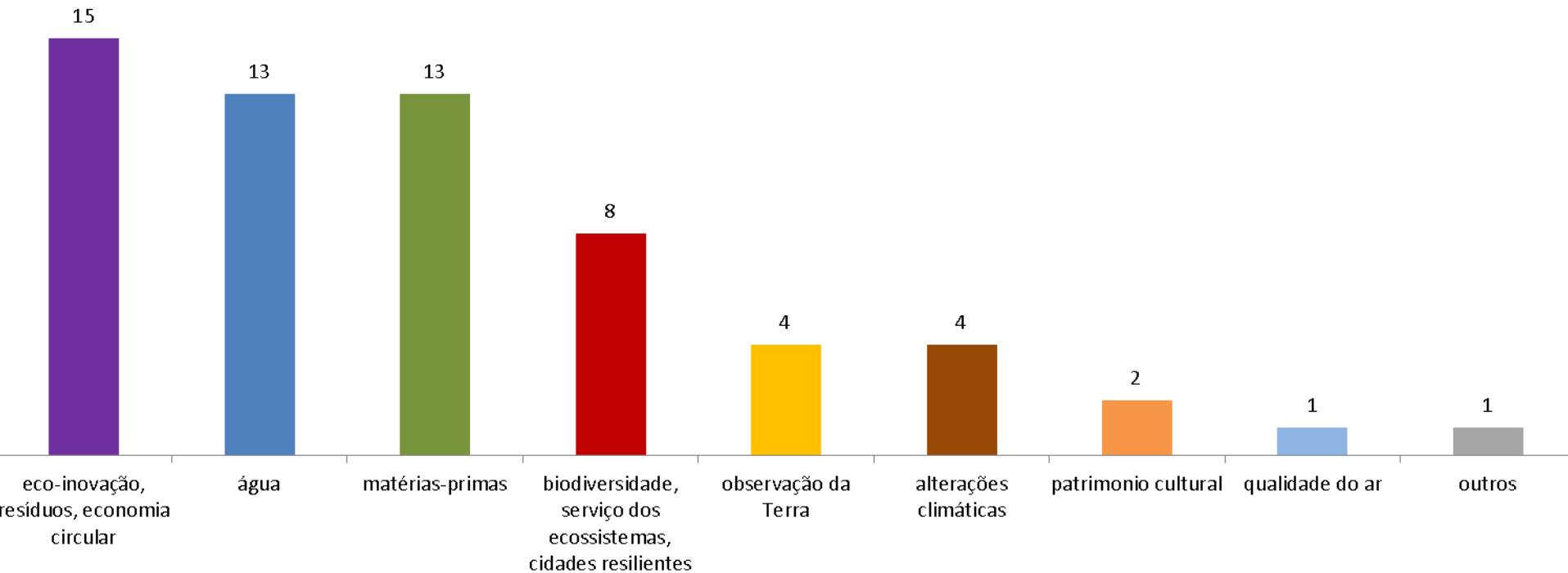
☑ PT participations: 112

☑ Funded rate: 2,74%

☑ Total budget for PT: 29,18 M€



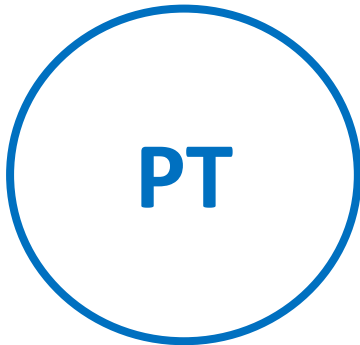
# Portuguese participation at the SC Climate Action (2014 – 2017)



# H2020 Raw Materials funded Projects



233,15 M€  
49 projects



5,37 M€  
13 projects

# Raw Materials funded Projects with national Participation

## 5.3 Ensuring the sustainable supply of non-energy and non-agricultural raw materials

Acrónimo	Título	Web	Tipo de projecto	Parceiro PT
FAME	Flexible and Mobile Economic Processing Technologies	<a href="http://fame-project.eu/">http://fame-project.eu/</a>	RIA	<ul style="list-style-type: none"> <li>Eurocolt Resources</li> <li>Laboratório Nacional de Energia e Geologia I.P.</li> <li>Universidade do Porto</li> </ul>
Real-Time-Mining	Real-time optimization of extraction and the logistic process in highly complex geological and selective mining settings	<a href="http://www.realtime-mining.eu/">http://www.realtime-mining.eu/</a>	RIA	<ul style="list-style-type: none"> <li>Instituto Superior Técnico</li> </ul>
INTRAW	International cooperation on Raw materials	<a href="http://intraw.eu/">http://intraw.eu/</a>	CSA	<ul style="list-style-type: none"> <li>ASSIMAGRA - Associação Portuguesa dos Industriais de Mármore e Ramos Afins</li> <li>RECIFEMETAL - Reciclagem de Ferros e Metais, S.A.</li> <li>Fundação para a Ciência e a Tecnologia</li> </ul>
MINATURA 2020	Developing a concept for a European minerals deposit framework	<a href="http://minatura2020.eu">http://minatura2020.eu</a>	CSA	<ul style="list-style-type: none"> <li>Fundação da Faculdade de Ciências da Universidade de Lisboa</li> </ul>
VAMOS	Viable and Alternative Mine Operating System!	<a href="http://vamos-project.eu/">http://vamos-project.eu/</a>	RIA	<ul style="list-style-type: none"> <li>INESC PORTO - Instituto de Engenharia de Sistemas e Computadores do Porto</li> <li>MINERALIA - Minas, Geotecnia e Construções, Lda.</li> <li>EDM - Empresa de Desenvolvimento Mineiro</li> </ul>
MIN-GUIDE	Minerals Policy Guidance for Europe	-	CSA	<ul style="list-style-type: none"> <li>Universidade de Aveiro</li> </ul>
UNEXMIN	Autonomous Underwater Explorer for Flooded Mines	<a href="http://www.unexmin.eu/">http://www.unexmin.eu/</a>	RIA	<ul style="list-style-type: none"> <li>INESC PORTO - Instituto de Engenharia de Sistemas e Computadores do Porto</li> <li>GEOPLANO Consultores, S.A.</li> <li>EDM - Empresa de Desenvolvimento Mineiro</li> </ul>
INTMED	Integrated innovative metallurgical system to benefit efficiently polymetallic, complex and low grade ores and concentrates	<a href="http://www.intmet.eu/">http://www.intmet.eu/</a>	RIA	<ul style="list-style-type: none"> <li>SOMINCOR - Sociedade Mineira de Neves-Corvo, S.A.</li> </ul>

# Raw Materials funded Projects with national Participation

## 5.3 Ensuring the sustainable supply of non-energy and non-agricultural raw materials

Acrónimo	Título	Web	Tipo de projecto	Parceiro PT
ERA-MIN 2	Implement a European-wide coordination of research and innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy	<a href="https://www.era-min.eu/">https://www.era-min.eu/</a>	ERA-NET Cofund	<ul style="list-style-type: none"> <li>Fundação para a Ciência e a Tecnologia</li> </ul>
ITERAMS	Integrated mineral technologies for more sustainable raw material supply	<a href="http://www.iterams.eu/">http://www.iterams.eu/</a>	RIA	<ul style="list-style-type: none"> <li>SOMINCOR - Sociedade Mineira de Neves-Corvo, S.A.</li> </ul>
Smart Exploration*	Sustainable mineral resources by utilizing new Exploration technologies	-	RIA	<ul style="list-style-type: none"> <li>SOMINCOR - Sociedade Mineira de Neves-Corvo, S.A.</li> <li>Laboratório Nacional de Energia e Geologia I.P.</li> </ul>
Minland*	Mineral resources in sustainable land-use planning	-	CSA	<ul style="list-style-type: none"> <li>Direção Geral de Energia e Geologia</li> <li>Laboratório Nacional de Energia e Geologia, I.P.</li> </ul>
MIREU*	Mining and Metallurgy Regions of EU	-	CSA	<ul style="list-style-type: none"> <li>NOVA ID FCT - Associação Para a Inovação e Desenvolvimento da FCT</li> <li>Comissão de Coordenação e Desenvolvimento Regional do Alentejo</li> </ul>

\* Aprovado no concurso *single-stage* 2017

# Rede de NCPs ao nível a UE- NCPs CaRE



<http://www.ncps-care.eu/>



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14th June 2017

**GEOSSS and COPERNICUS – Earth observation systems**  
31st May 2017

**Business Idea Competition in Raw**

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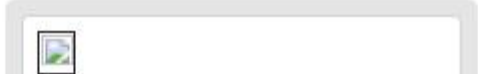
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# Rede de NCPs ao nível a UE- NCPs CaRE



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## dos-and-donts-for-applicants.pdf

DOs and DON'Ts for applicants

Criteria	DO	DON'T
Excellence	<ul style="list-style-type: none"> <li>Define objectives clearly.</li> <li>Be ambitious, but stay realistic.</li> <li>Choose appropriate methodology.</li> <li>Choose relevant partners and reliable coordinate.</li> <li>Put effort on describing the state-of-art and proof of concept.</li> <li>Create links with previous networks/projects and relevant policies.</li> <li>Engage interdisciplinary expertise.</li> <li>Stay accurate, concise throughout the proposal.</li> <li>Bring out the innovation potential.</li> <li>If something stays unclear, contact your NCP.</li> </ul>	<ul style="list-style-type: none"> <li>Don't rush, poorly prepared proposal aims even the most excellent plans.</li> <li>Don't repeat something what is already done.</li> <li>Don't forget to include partners from different regions, disciplines, stakeholder groups to compose a balanced consortium.</li> <li>Don't forget to show the credibility of your consortium.</li> <li>Don't hesitate to provide detailed description about your methodology, technical solutions etc. Superficial description of the processes is often brought out as a major shortcoming.</li> <li>Don't forget to show the credibility of your consortium.</li> <li>Don't hesitate to provide detailed description about your methodology, technical solutions etc. Superficial description of the processes is often brought out as a major shortcoming.</li> <li>If you have a novel approach - don't forget to describe it thoroughly and to support it with relevant references</li> </ul>

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 642025

## [Dos and Donts for Applicants](#)

## evaluators-recommendations-for-applicants.pdf

Main weaknesses, their improvement possibilities and main strengths highlighted by evaluators

Criterion: Excellence	Main weaknesses in proposals	How to improve	Main strengths in proposals
	<ul style="list-style-type: none"> <li>Lack of novelty</li> <li>Lack of originality</li> <li>Lack of clear objectives</li> <li>Lack of credibility of the proposed approach</li> <li>Ambition</li> <li>Poor description of the state-of-the-art</li> <li>Lack of precise indications of the advancement proposal</li> <li>Low TRL</li> <li>Lack of clear cost calculations</li> <li>Not fully covered scope of call</li> <li>Relation to the call</li> <li>No link to industrial activity</li> <li>Short explanations</li> <li>Lack of tangible previous results specification</li> <li>Repetition of already researched areas</li> </ul>	<ul style="list-style-type: none"> <li>Elaborate on evaluation criteria</li> <li>More interdisciplinary expertise</li> <li>More clear description</li> <li>More emphasis on impacts of technical features to business model</li> <li>Close cooperation with NCPs</li> <li>Wider point of view of excellence</li> <li>Include more sub-criteria under excellence</li> <li>Encourage new ideas</li> <li>To have business or market related persons involved in writing</li> <li>Feasibility study should be attached</li> <li>To be more innovative</li> <li>More focus on the state-of-the-art and proof of concept</li> <li>Shorter writing and more precise information</li> <li>Better guidelines on how to understand the scope of the call</li> <li>Having the practical experience and know how in the field</li> </ul>	<ul style="list-style-type: none"> <li>Objectives and methodology</li> <li>Partnerships</li> <li>Very detailed information - Relevant goals</li> <li>Transdisciplinary considerations</li> <li>Innovation potential</li> <li>State of the art</li> <li>Clear stated technical issues</li> <li>High quality and linkages with previous or existing initiatives</li> <li>The links with the Environmental EU / global challenges on energy/climate change</li> <li>Ability to complement across countries and institutions</li> <li>Concise, accurate and complete presentation</li> </ul>

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## [Evaluators Recommendations for Applicants](#)

## ESR-analysis.pdf

General observations based on ESR analysis

- Surprisingly a large proportion of shortcomings were due to carelessness, which most probably were due to last minute submission/hurry or rush. Here come some examples: Carefully read the call text, related documents and forms - e.g. avoid simple mistakes as using a wrong template, do not ignore required aspects (e.g. gender issues, involvement of specific partners, attaching required consent/support letters etc.). Also other common mistakes are inconsistencies between Work Packages (WPs), only one of the expected impacts is addressed but not all, repeated activities in several WPs etc. This kind of mistakes would be the easiest to avoid and save unnecessarily lost points, therefore it is very important to start proposal preparations as early as possible.
- Demonstration of coordinator's reliability was brought out in many ESRs. It shows that it is very important to carefully choose your consortium's coordinator and there should be some extra information provided about the background and previous activities of this organisation/ partner (in the template - full proposal/2nd stage - part 3, 'Implementation').
- It is better to provide more explanation, but at the same time keep a very clear focus of your project. If the focus is too wide and superficially presented, there is a great risk that it is not sufficiently convincing for the evaluator and as it is not possible to ask questions or give additional explanations it can be seen as a major shortcoming. The evaluator has to get everything at once from the proposal.
- All the numerical values should be supported by references, otherwise these are not convincing. Simultaneously try to keep the file format (e.g. avoid too many footnotes).

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## [General Observations on ESR Analysis](#)

# Inscreva-se como AVALIADOR do Desafio Societal Ação Climática



**25% new  
experts**



**Read excellent  
proposals**



**Network with  
fellows**

- Academia (in particular eastern Europe)
- Private sector / innovation agencies
- Local / national authorities / agencies

<https://ec.europa.eu/easme/en/call-experts-climate-action-environment-resources-management>



# Gabinete de Promoção do Programa-Quadro (GPPQ)

<http://www.gppq.fct.pt/h2020/>



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