



## HORIZONTE 2020 - Programa de Trabalhos 2018-2020 – tópicos com enfoque na Economia Circular

### Programa de Trabalhos “DS5 - Ação climática, ambiente, eficiência de recursos e matérias-primas”

Referência tópico	Título	Ano	Tipo de projeto	M€ por projeto	Concurso	Deadline
<b>Call Greening the economy in line with the Sustainable Development Goals (SDGs)</b>						
<b>Connecting economic and environmental gains - the circular economy</b>						
CE-SC5-01-2018	<a href="#">Methods to remove hazardous substances and contaminants from secondary raw materials</a>	2018	RIA	3-5	Two-stage	1ª fase: 27 Feb 2018 2ª fase: 4 Set 2018
CE-SC5-02-2018	<a href="#">Independent testing programme on premature obsolescence</a>	2018	RIA	3-5	Two-stage	1ª fase: 27 Feb 2018 2ª fase: 4 Set 2018
CE-SC5-03-2018	<a href="#">Demonstrating systemic urban development for circular and regenerative cities</a>	2018	IA	10	Two-stage	1ª fase: 27 Feb 2018 2ª fase: 4 Set 2018
CE-SC5-04a-2019	<a href="#">Building a water-smart economy and society - Symbiosis between industry and water utilities</a>	2019	IA	10-15	Two-stage	1ª fase: 19 Feb 2019 2ª fase: 4 Set 2019
CE-SC5-04b-2019	<a href="#">Building a water-smart economy and society - Large scale applications with multiple water users at various relevant scales</a>	2019	IA	10-15	Two-stage	1ª fase: 19 Feb 2019 2ª fase: 4 Set 2019
CE-SC5-05-2018	<a href="#">Coordinated approaches to funding and promotion of research and innovation for the circular economy</a>	2018	CSA	1	Single-stage	27 Feb 2018
CE-SC5-22-2020	Improving the recovery and recycling of materials from composite and multi-layer products	2020	-	-	-	-
CE-SC5-23-2020	Understanding the transition to circular economy and its implications	2020	-	-	-	-
<b>Raw Materials</b>						
CE-SC5-06-2018	<a href="#">New technologies for the enhanced recovery of by-products</a>	2018	RIA	3-7	Two-stage	1ª fase: 27 Feb 2018 2ª fase: 4 Set 2018
CE-SC5-07-2018-2019	<a href="#">Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes</a> a) Sustainable processing and refining of primary and/or secondary raw materials (2018-2019) b) Recycling of raw materials from end-of-life products (2018-2019) c) Recycling of raw materials from buildings (2018-2019) d) Advanced sorting systems for high-performance recycling of complex end-of-life products (2018, 2019)	2018-2019	IA IA IA IA	8-13 8-13 8-13 8-13	Two-stage	2018 1ª fase: 27 Feb 2018 2ª fase: 4 Set 2018  2019 1ª fase: 19 Feb 2019 2ª fase: 4 Set 2019
CE-SC5-08a-2018	<a href="#">Raw materials policy support actions for the circular economy - Voluntary scheme for certification of treatment facilities for key types of wastes</a>	2018	CSA	2	Single-stage	27 Feb 2018
CE-SC5-08b-2018	<a href="#">Raw materials policy support actions for the circular economy - Resource efficiency in wood processing, recovery and recycling</a>	2018	CSA	3	Single-stage	27 Feb 2018
CE-SC5-08c-2019	<a href="#">Raw materials policy support actions for the circular economy - Responsible sourcing of raw materials in global value chains</a>	2019	CSA	3	Single-stage	19 Feb 2019



CE-SC5-07-2020	Raw materials innovation for the circular economy	2020	-	-	-	-
CE-SC5-08-2020	Raw materials policy support actions for the circular economy: expert network on Critical Raw Materials	2020	-	-	-	-

\* Concurso *Two-stage*: apenas as propostas com classificação mínima na 1ª fase (Excelência: min 4; Impacto: min 4) poderão submeter à 2ª fase; poderá haver tópicos onde a pontuação mínima possa ser superior

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## Programa de Trabalhos “NMP+B - Nanotecnologias, Materiais avançados, Biotecnologias, Fabrico e Transformação avançados”

Referência tópicos	Título	Ano	Tipo de projeto	M€ por projeto	Concurso	Deadline
<b>Call Transforming European industry</b>						
<b>Biotechnology</b>						
CE-BIOTEC-04-2018	<a href="#">New biotechnologies for environmental remediation</a>	2018	RIA	5	Single-stage	25 Abr 2018
CE-BIOTEC-05-2019	<a href="#">Microorganism communities for plastics bio-degradation</a>	2019	RIA	5	Single-stage	24 Abr 2019
<b>Factories of the Future</b>						
DT-FoF-06-2019	<a href="#">Refurbishment and re-manufacturing of large industrial equipment</a>	2019	IA	12-15	Single-stage	21 Feb 2019
<b>Call Industrial sustainability</b>						
<b>Sustainable Process Industry (SPIRE)</b>						
CE-SPIRE-01-2020	Industrial symbiosis	2020	IA	-	-	-
CE-SPIRE-02-2018	<a href="#">Processing of material feedstock using non-conventional energy sources</a>	2018	IA	6-10	Single-stage	22 Fev 2018
CE-SPIRE-03-2018	<a href="#">Energy and resource flexibility in highly energy intensive industries</a>	2018	IA (50%)	8-12	Single-stage	22 Fev 2018
CE-SPIRE-04-2019	<a href="#">Efficient integrated downstream processes</a>	2019	IA	10-14	Single-stage	21 Fev 2019
CE-SPIRE-05-2019	<a href="#">Adaptation to variable feedstock through retrofitting</a>	2019	IA (50%)	8-12	Single-stage	21 Fev 2019
CE-SPIRE-07-2020	Recovery of industrial water, thermal energy and substances contained therein	2020	IA	-	-	-
CE-SPIRE-08-2020	Improved Industrial Processing using novel high-temperature resistant materials	2020	RIA	-	-	-
CE-SPIRE-09-2020	Making the most of mineral waste, by-products and recycled material as feed for high volume production	2020	IA	-	-	-
CE-SPIRE-10-2018	<a href="#">Efficient recycling processes for plastic containing materials</a>	2018	IA	6-8	Single-stage	22 Fev 2018
<b>Catalysing the circular economy</b>						
CE-NMBP-24-2018	<a href="#">Catalytic transformation of hydrocarbons</a>	2018	RIA	5-7	Two-stage	1ª fase: 23 Jan 2018 2ª fase: 28 Jun 2018
CE-NMBP-25-2019	<a href="#">Photocatalytic synthesis</a>	2019	RIA	5-7	Two-stage	1ª fase: 22 Jan 2019 2ª fase: 03 Set 2019
CE-NMBP-26-2018	<a href="#">Smart plastic materials with intrinsic recycling properties by design</a>	2018	RIA	4-6	Two-stage	1ª fase: 23 Jan 2018 2ª fase: 28 Jun 2018

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## Programa de Trabalhos “DS2 - Segurança Alimentar, Agricultura e Silvicultura Sustentável, Investigação Marinha e Marítima e Águas Interiores e a Bioeconomia”

Referência tópico	Título	Ano	Tipo de projeto	M€ por projeto	Concurso	Deadline
<b>Call Sustainable Food Security</b>						
<b>Organising sustainable food and non-food value chains under changing conditions</b>						
CE-RUR-08a-2018	<a href="#">Closing nutrient cycles - Understanding properties and impacts of bio-based fertilisers</a>	2018	RIA	6	Two-stage	1ª fase: 13 Feb 2018 2ª fase: 11 Set 2018
CE-RUR-08b-2019	<a href="#">Closing nutrient cycles - Bio-based fertilisers from animal manure</a>	2019	IA	8	Single-stage	23 Jan 2019
CE-RUR-08c-2020	Closing nutrient cycles - Bio-based fertilisers from other by-products of the agro-food or forestry industry	2020	-	-	-	-
CE-RUR-10-2019	<a href="#">Circular bio-based business models for rural communities</a>	2019	IA	10	Single-stage	23 Jan 2019
<b>Environment and climate-smart food production and consumption</b>						
CE-SFS-24-2019	<a href="#">Innovative and citizen-driven food system approaches in cities</a>	2019	IA	6	Single-stage	23 Jan 2019
CE-SFS-25-2018	<a href="#">Integrated system innovation in valorising urban biowaste</a>	2018	IA	10	Single-stage	13 Feb 2018
CE-SFS-36-2020	Diversifying farmers' income through small bio-based concepts	2020	-	-	-	-
CE-SFS-39-2019	<a href="#">High-quality organic fertilisers from biogas digestate</a>	2019	IA	5	Single-stage	23 Jan 2019
<b>Call Blue Growth</b>						
CE-BG-06-2019	<a href="#">Sustainable solutions for bio-based plastics on land and sea</a>	2019	IA	9	Single-stage	23 Jan 2019

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**RIA - Research and Innovation Action** (financiamento: 100%); Action primarily consisting of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. For this purpose they may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment.

**IA - Innovation Action** (70% dos custos diretos elegíveis, com exceção das entidades sem fins lucrativos que podem ser reembolsadas a 100%); há tópicos SPIRE (devidamente assinalados) cuja taxa é 50%; Action primarily consisting of activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

**CSA - Coordination and Support Action** (financiamento: 100%; Actions consisting primarily of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies, including design studies for new infrastructure and may also include complementary activities of strategic planning, networking and coordination between programmes in different countries.