

JORNADA INFORMATIVA - HORIZONTE 2020

SARRIGUREN, 26 DE NOVIEMBRE DE 2015

BlueGrowth
Environment
RawMaterials EcolInnovation WaterInnovation
CircularEconomy
ClimateAction ResourceEfficiency
Recycling Research Waste
Horizon2020
NaturalResources Innovation
EarthObservation

NUEVAS OPORTUNIDADES 2016-2017

HORIZONTE 2020

H2020-Reto Social 5

- **Objetivos**
- **Programa de Trabajo 2016-2017**
 - Bloques y “topics”**
- **Algunos “detalles” del Programa de Trabajo**

Apoyo a la participación

HORIZONTE 2020

H2020-Reto Social 5

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HORIZONTE 2020

El Programa Marco para la Investigación y la **Innovación** (2014-2020)



HORIZON 2020



<http://ec.europa.eu/programmes/horizon2020/en>



Europe 2020¹

Transformation of the EU economy and society

2030 Framework for CLIMATE and ENERGY policies →

- Reducing greenhouse gas emissions by 40%
- Increasing the share of renewable energy to at least 27%
- Increasing energy efficiency by 30%

5.0%

1. 2050 Low Carbon economy² →

- By 2050, the EU should cut emissions to 80%
- 40% emissions cuts by 2030 and 60% by 2040
- All sectors need to contribute
- The low-carbon transition is feasible & affordable.

more than 1990

– 20% in

4. Education

– Red

– at l

5. Fighting

– at least 20 million

CIRCULAR ECONOMY new package →

New rates:

Reduction / Recycling / Recovery

¹COM(2010) 2010, Brussels, 3.3.2010; http://ec.europa.eu/europe2020/index_es.htm

² http://ec.europa.eu/clima/policies/strategies/2050/index_en.htm



La Comisión y sus Prioridades

La Comisión y sus prioridades



Empleo, crecimiento, inversión



Mercado único digital



Unión de la Energía y clima

Mercado interior

Unión Económica y Monetaria

Acuerdo de libre comercio
UE-EE. UU.

Justicia y derechos
fundamentales

Migración

La UE, actor en el escenario
mundial

Cambio democrático

Más información >

http://ec.europa.eu/index_es.htm#priorities

HORIZONTE 2020

H2020-Reto Social 5

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H2020 - Reto Social 5

Acción por el clima, medio ambiente, eficiencia de los recursos y materias primas

2.956 M€

4,00% de H2020

OBJETIVOS →

- lograr una economía más eficaz y eficiente en el uso de los recursos (incluyendo el agua);
- el aumento de la resiliencia ante los efectos del cambio climático;
- el abastecimiento sostenible de materias primas, para afrontar las necesidades de una población global creciente de forma compatible con la sostenibilidad de los recursos naturales del planeta.



“We need to decouple economic growth from resource use. Part of answer: helping build a green economy, a circular economy in sync with the natural environment”.



H2020 – Reto Social 5 → Líneas de Actividad*

5.1 Lucha contra el cambio climático y adaptación al mismo



5.2 Protección del medio ambiente, y gestión sostenible de los recursos naturales, del agua, de la biodiversidad y de los ecosistemas



5.3 Garantía de un abastecimiento sostenible de materias primas no agrícolas y no energéticas



5.4 Posibilitar la transición hacia una economía y una sociedad verdes a través de la ecoinnovación



5.5 Desarrollo de sistemas completos y duraderos de observación e información sobre el medio ambiente mundial



5.6 Patrimonio cultural



* Ver Anexos

10

HORIZONTE 2020

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Reto Social 5 – Programas de Trabajo

Programa 2014-2015, continuista respecto a FP7

- Prioridades (“focus areas”): Residuos y Agua

*Call – Water Innovation:
Boosting its value for Europe*

*Call – Waste: A Resource to Recycle,
Reuse and Recover Raw Materials*

*Call - Growing a Low Carbon, Resource Efficient
Economy with a Sustainable Supply of Raw Materials.*

- *Fighting And Adapting To Climate Change*
- *Protecting The Environment, Sustainably Managing Natural Resources, Water, Biodiversity And Ecosystems*
- *Ensuring The Sustainable Supply Of Non-energy And Non-agricultural Raw Materials*
- *Enabling The Transition Towards A Green Economy And Society Through Eco-innovation*
- *Developing Comprehensive And Sustained Global Environmental Observation And Information Systems*

Contribución a otras Focus Areas:

Blue Growth, Energy Efficiency, Disaster Resilience.

Reto Social 5 – H2020:

Resultados Preliminares 2014-2015

"Calls"	2014				2015
	Participación en actividades aprobadas	Coordinadores	Subvención obtenida (M€)	Retorno (%)	Retorno (%)
WASTE	8 (67%)	4	9,43	14,0	11,9
WATER	14 (70%)	8	12	19,9	10,9
SC5	19 (73%)	3	11	7,45	10,9
Total	41 (71%)	15	32	11,8	

Faltan resultados "calls" two-stages

2014	
Tipología de entidad	Retorno (%)
Empresa	30,23
Centro de investigación	22,20
Centro Tecnológico	16,20
Universidad	14,04
Ad. publica	9,69

Reto Social 5 – Programa de Trabajo

Programa 2014-2015, continuista respecto a FP7

- Prioridades (“focus areas”): Residuos y Agua

Programa 2016-2017,..... cambio de filosofía

- Transición a una **economía circular/sostenible** requiere **“innovación sistémica”**: multi- y trans-disciplinaridad, integración de tecnología-modelos de negocio-legislación-innovación social, multiplicidad de actores.
- Se buscan **soluciones para el futuro**, capaces de atraer inversiones públicas yprivadas.
- **Demostraciones a gran escala** que tengan potencia para ser **replicadas** (50% del presupuesto, IAs).
- Otros “topics”, de investigación y acciones de coordinación, complementan a las Acciones de Innovación.



IMPACTO

Reto Social 5 – WP 2016-2017.- Prioridades

Climate Action:

- Climate Services
- Low-Carbon Europe
- Artic Dimension

Raw Materials

“Mainstreaming”
Water R&I

Nature-based solutions:

- For Territorial Resilience
- For Sustainable Cities

Systemic Eco-Innovation
for a Circular Economy

Sustainable Growth:

- Earth Observation
- Cultural Heritage

Reto Social 5 – WP 2016-2017.- Prioridades

Climate Action:

- Climate Services
- Low-Carbon Europe
- Artic Dimension (Reto2)

Nature-based solutions:

- For Territorial Resilience
- For Sustainable Cities

Systemic Eco-Innovation for a Circular Economy

Raw Materials

“Mainstreaming” Water R&I

Sustainable Growth:

- Observación de la Tierra
- Patrimonio Cultural

Reto Social 5 – Programa de Trabajo 2016-2017

DOCUMENTOS/ENLACES Relevantes

1. [From Niche to Norm \(Circular Economy\)](#)
2. [A European Research and Innovation Roadmap for Climate Services](#)
3. [Towards an EU research and innovation policy agenda for nature-based solutions & re-naturing cities](#)
4. [Getting cultural heritage to work for Europe](#)
5. [Strategic Implementation Plan \(SIP\) – EIP Raw Materials](#)
6. [Strategic Implementation Plan \(SIP\)- EIP on Water](#)

Reto Social 5 – Programa de Trabajo 2016-2017

DOCUMENTOS Relevantes



From Niche to Norm

Suggestions by the Group
Approach to Eco-
a low-carbon,



A European research
and innovation

Roadmap for Climate Services

Research and
Innovation

for

Towards an EU Research and Innovation policy agenda for Nature-Based Solutions & Re-Naturing Cities

Final Report of the Horizon 2020
Expert Group on 'Nature-Based Solutions
and Re-Naturing Cities'
(full version)



Getting cultural heritage to work for Europe

Report of the Horizon 2020 Expert Group on
Cultural Heritage



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6.

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Reto Social 5 – Programa de Trabajo 2016-2017

Líneas de Actividad

5.1 Lucha contra el cambio climático y adaptación al mismo

5.2 Gestión sostenible de los recursos naturales y los ecosistemas

5.3 Garantía de un abastecimiento sostenible de materias primas no agrícolas y no energéticas

5.4 Ecoinnovación como camino hacia una economía «verde»

5.5 Desarrollo de sistemas completos y duraderos de observación e información sobre el medio ambiente mundial

5.6 Patrimonio cultural



Call
INDUSTRY 2020 IN THE
CIRCULAR ECONOMY




Call
SMART AND
SUSTAINABLE CITIES



Call
GREENING THE ECONOMY



Contribuciones a otros Retos Sociales



European Commission

European Commission > Res

HOME FUND


H2020 Online Manual

Reference Documents

Beneficiary Register

Financial Viability Self-C

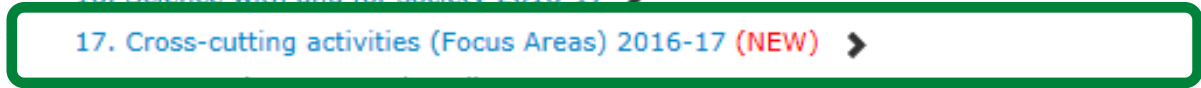
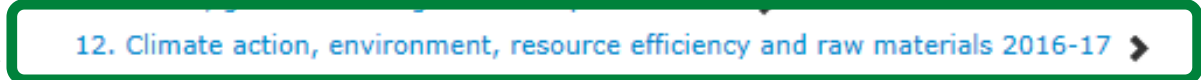
SME Participation



- Work Programmes
 - 2014-15
 - 2016-17
 - Main WP
 - 1. Introduction 2016-17 >
 - 2. Future and Emerging Technologies (FETs) 2016-17 >
 - 3. Marie Skłodowska-Curie actions (MSCA) 2016-17 >
 - 4. Research infrastructures (including e-Infrastructures) 2016-17 >
 - 5. Introduction to Leadership in enabling and industrial technologies (LEITs) 2016-17 >
 - 5i. Information and communication technologies (ICT) 2016-17 >
 - 5ii. Nanotechnologies, advanced materials, advanced manufacturing and processing, biotechnology 2016-17 >
 - 5iii. Space 2016-17 >
 - 6. Access to risk finance 2016-17 >
 - 7. Innovation in SMEs 2016-17 >
 - 8. Health, demographic change and wellbeing 2016-17 >
 - 9. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy 2016-17 >
 - 10. Secure, clean and efficient energy 2016-17 >
 - 11. Smart, green and integrated transport 2016-17 >
 - 12. Climate action, environment, resource efficiency and raw materials 2016-17 >
 - 13. Europe in a changing world - inclusive, innovative and reflective societies 2016-17 >
 - 14. Secure societies - protecting freedom and security of Europe and its citizens 2016-17 >
 - 15. Spreading excellence and widening participation 2016-17 >
 - 16. Science with and for society 2016-17 >
 - 17. Cross-cutting activities (Focus Areas) 2016-17 (NEW) >
 - 18. Fast Track to Innovation Pilot 2016-17 >
 - 19. Dissemination, Exploitation and Evaluation 2016-17 >
 - General Annexes to the Main WP

“Topics”

Reto Social 5



Reto Social 5 -Programa de Trabajo 2016-2017

- **Call – Industry 2020 in the Circular Economy**

- *Circular Economy*

- **Call – Smart and Sustainable Cities**

- *Sustainable cities through nature-based solutions*

17-Cross Cutting
Activities

- **Call – Greening the Economy**

- *Climate services*

- *Towards a Low-Carbon Europe*

- *Nature-Based Solutions for Territorial Resilience*

- *Water*

- *Raw Materials*

- *Earth Observation*

- *Cultural Heritage for Sustainable Growth*

- *Support to Policy and Preparing for Innovation Procurement*

12-Climate Action,
Environment, Resource.....

Contribución a otros Retos Sociales:

Blue Growth (SC2), Sustainable Food Security (SC2), Competitive low-carbon energy (SC3)

“Calls” en 17. Cross-cutting Activities*

Asesoramiento en ES →

Call	Sub-Call	Temática
Industry in the Circular Economy	Pilots	NMBP - LEIT
	Factories of the Future - FOF	
	ICT for the Factories of the Future	
	Sustainable Process Industries - SPIRE	
	Circular Economy	Reto Social 5
Internet of Things		ICT - LEIT
Smart and Sustainable Cities	Smart Cities and Communities	Reto Social 3
	Sustainable Cities through Nature-Based Solutions	Reto Social 5

HORIZONTE 2020

H2020-Reto Social 5

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Bloques y “topics”

- **Algunos “detalles” del Programa de Trabajo**

Apoyo a la participación

Reto Social 5 -Programa de Trabajo 2016-2017

- **Call – Industry 2020 in the Circular Economy**

- *Circular Economy*

- **Call – Smart and Sustainable Cities**

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17-Cross Cutting
Activities

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- *Climate services*

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- *Raw Materials*

- *Earth Observation*

- *Cultural Heritage for Sustainable Growth*

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TÍTULO

CIRC-05-2016: Unlocking the potential of urban organic waste

RETO ESPECÍFICO

Establece el contexto, el problema que se abordará, por qué es necesaria la intervención.

higher value bio-based products, including for example bio-based chemicals and bio-plastics.

ALCANCE

Delimita el problema, especifica los límites del potencial de la acción, pero sin describir enfoques específicos.

The Commission considers that proposals requesting a contribution from the EU in the range of EUR 3 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

IMPACTO ESPERADO

Describe los elementos claves de lo que se espera lograr, de los resultados, en relación con el problema específico.

Expected Impact: To enable the creation of new value chains for higher value purposes other than just for compost or energy, proposals will have to show how to:

- Contribute to new developments in strategy and policy at regional and local level for the

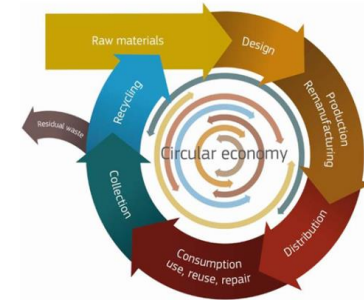
- Facilitate the exchange of information and sharing of experiences among local and regional bioeconomy stakeholders on the production of bio-based products from urban organic waste. In particular, provide inputs to tackle related regulatory gaps and obstacles.

INSTRUMENTO

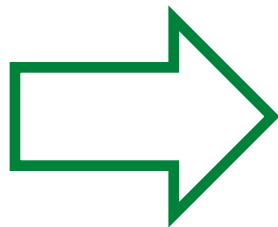
Type of Action: Research and Innovation action

Eco-Innovación para una Economía Circular

- Es una de las **Líneas de Actividad** dentro del Reto Social 5.
- En WP 2014-2015: **“calls” WATER y WASTE** (ecoinnovation, symbiosis industrial..).
- Demostrar que la **economía circular** es:
 - **Medioambientalmente** deseable
 - **Económicamente** viable/posible
 - **Socialmente** aceptada



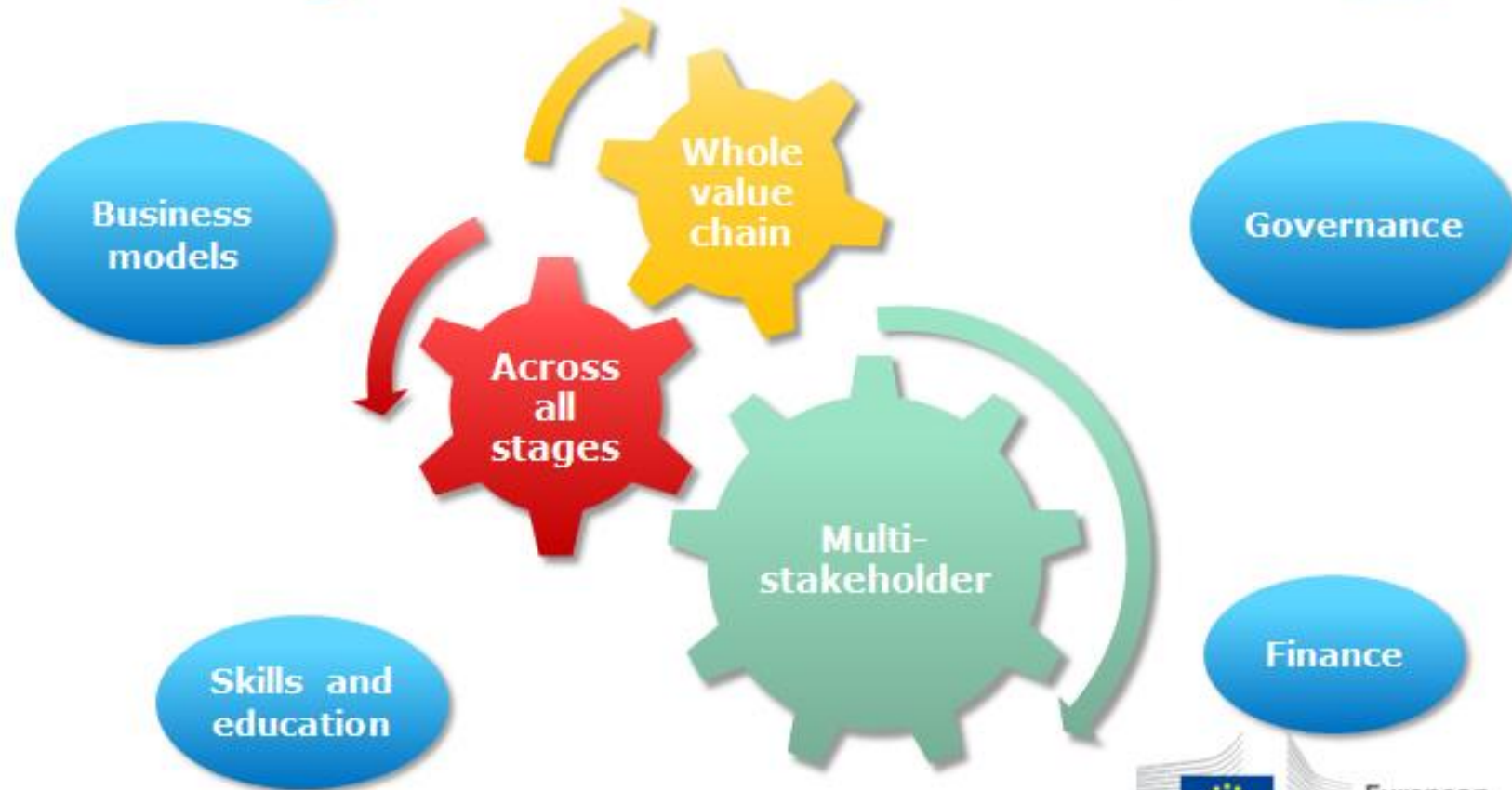
} **SOSTENIBLE**



“Systemic Eco-Innovation”

...a new step...

Systemic Eco-Innovation Covering all forms of innovation



HORIZON 2020



Call INDUSTRY 2020 IN THE CIRCULAR ECONOMY: Circular Economy

TOPIC	TYPE OF ACTION	EVAL. TYPE	EC CONTRIB. Suggested (M€)	PRESUPUESTO (M€)		COMMENTS
				2016	2017	
CIRC-1a-2016: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects → Design for circular value and supply chains	IA	2 Stgs	7-10	60,00		
CIRC-1b-2017: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration projects → Systemic services for the circular economy	IA	2 Stgs	4-7		40,00	
CIRC-2a-2016: Water in the context of the circular economy → Demonstrating the potential of efficient nutrient recovery from water	IA	2 Stgs	6-8	20,00		
CIRC-2b-2017: Water in the context of the circular economy → Towards the next generation of water systems and services– large scale demonstration projects	IA	2 Stgs	10		30,00	
CIRC-3-2016: Smart Specialisation for systemic eco-innovation/circular economy	CSA	1 Stg	1-1,5	1,50		Up to 1. Participants: regional/national/local authorities- RIS3
CIRC-4-2016: New models and economic incentives for circular economy business	RIA	1 Stg	3	3,00		Up to 1
CIRC-5-2016: Unlocking the potential of urban organic waste	RIA	1 Stg	3	3,00		Budget from SC2

“Nature-based solutions”



- ✓ Inspiradas o basadas en la naturaleza
- ✓ Beneficios económicos, sociales y medioambientales
- ✓ Intervenciones sistémicas, eficientes en el uso de los recursos y adaptadas localmente
- ✓ Más naturaleza en las ciudades y paisajes

➤ **OBJETIVO: Hacer que Europa sea líder mundial en la innovación en soluciones basadas en la naturaleza**

e.g. renaturing cities



City of Vitorio-Gasteiz, ES

challenge: restore degraded areas; sustainable city

solution: concentric circles of green areas; green belt of parks; green buildings; road tunnels



Co-benefits:

- entire population lives within 300m of an open green space
- better air quality
- diminished heat island effect
- increased biodiversity
- educational purpose: the community gardens



Nature-Based solutions

Dónde encontramos los topics?

- **“Sustainable cities through nature-based solutions”**
 - ✓ En la convocatoria “cross-cutting”:
'SMART AND SUSTAINABLE CITIES'
 - ✓ Presupuesto indicativo 2016: €60M
- **“ Nature-based solutions for territorial resilience”**
 - ✓ En la convocatoria **'GREENING THE ECONOMY'**
 - ✓ Presupuesto indicativo 2016: €8M

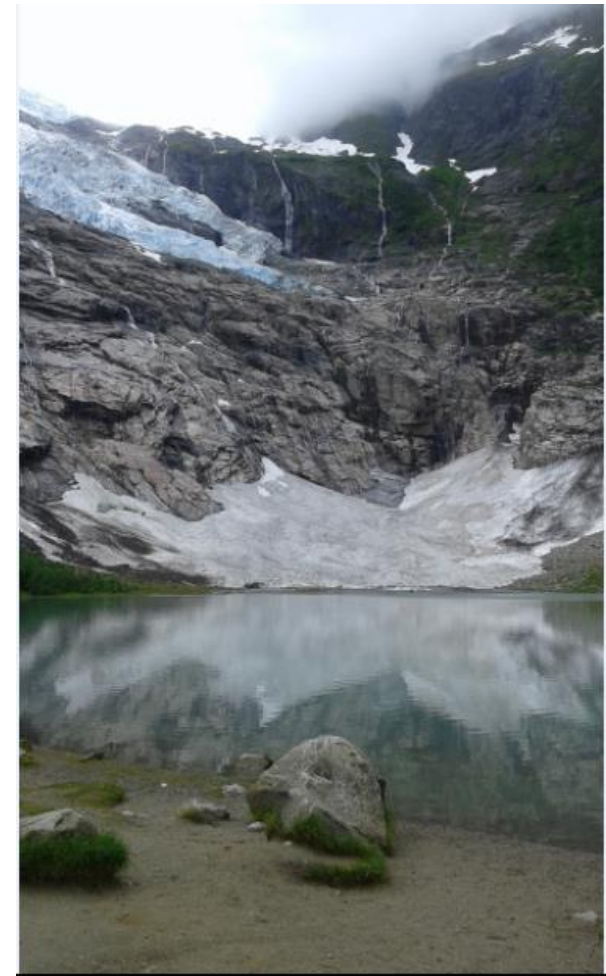
Call SMART AND SUSTAINABLE CITIES: Sustainable cities through nature-based solutions

TOPIC	TYPE OF ACTION	EVAL. TYPE	EC CONTRIBUT. Suggested (M€)	PRESUPUESTO (M€)		COMMENTS/ELEGIBILITY
				2016	2017	
SCC-2a-2016: Demonstrating innovative nature-based solutions in cities --> Demonstrating innovative nature-based solutions for climate and water resilience in cities	IA	2 Stgs	At least 10	40,00		At least: 2 "front runners" + 3 "follower" cities
<i>SCC-2b-2017: Demonstrating innovative nature-based solutions in cities --> Nature-based solutions for inclusive urban regeneration</i>	IA	2 Stgs	At least 10		40,00	At least: 2 "front runners" + 3 "follower" cities
SCC-3-2016: New governance, business, financing models & economic impact assessment tools for sustainable cities with nature-based solutions (urban re-naturing)	RIA	1 Stg	7,5	15,00		
SCC-4-2016: Sustainable urbanisation	Eranet Cofund	1 Stg	5	5,00		

Servicios Climáticos

- Conocimiento y datos existentes → **“climate services user-driven”**.
- Reforzar el **mercado** de los servicios climáticos.
- Contribuir a la implementación del **“European Research and Innovation Roadmap of Climate Services”**.
- Promover **Copernicus Climate Change Services (C3S)** y contribuir con datos.

26/11/2015



Towards a low-carbon Europe



✓ Analizar las posibles trayectorias para que Europa pueda alcanzar sus objetivos climáticos a medio y largo plazo, de manera eficaz

✓ Maximizando los beneficios sociales y económicos

→ ¿Cómo combinar decarbonización manteniendo el crecimiento económico?

HORIZON 2020



Water en 2016-2017



- **“Water Issues”**, en el Programa de Trabajo del Reto Social 5, pero tambiénintegrados en otros Programas de Trabajo de Liderazgo Industrial y de varios Retos Sociales.
- **Acciones** encaminadas a **incrementar la innovación** en temas de **agua** en Europa y globalmente, se abordan en **distintas áreas**, p.e. **“circular economy, sustainable cities, climate services, territorial resilience, etc”**

IMPORTANTE.- Detalles en la Introducción

20/11/2015

Reto Social 5.- WP 2016-2017

Call GREENING THE ECONOMY: Water

SC5-11-2016: Supporting international cooperation activities on water (JPI-Water)

SC5-12-2016: Food systems and water resources for the development of inclusive, sustainable and healthy Euro-Mediterranean societies (PRIMA)

Y también....."other topics with a clear relevance to Water Issues"

Call GREENING THE ECONOMY: Climate Services

SC5-01-2016/2017: Exploring the added value of climate services

SC5-02-2017: Integrated European regional modelling and climate prediction system

SC5-03-2016: Climate services market research

Call GREENING THE ECONOMY: Nature-Based Solutions for Territorial Resilience

SC5-8-2017: Large-scale demonstrators on nature-based solutions for hydro-meteorological risk reduction

Call INDUSTRY 2020 IN THE CIRCULAR ECONOMY: Circular Economy

CIRC-2-2016/2017: Water in the context of the circular economy

- a) Demonstrating the potential of efficient nutrient recovery from water
- b) Towards the next generation of water systems and services– large scale demo projects

Call SMART AND SUSTAINABLE CITIES: Sustainable cities through nature-based solutions

SCC-2-2016/2017: Demonstrating innovative nature-based solutions in cities

- a) Demonstrating innovative nature-based solutions for climate and water resilience in...
- b) Nature-based solutions for inclusive urban regeneration

*12-Climate Action,
Environment, Resource....*

*17-Cross Cutting
Activities*

Raw Materials



- **Objetivo.- Securing the EU's supply of primary and secondary raw materials** (non-energy, non-agricultural) through **Research and Innovation**
- **EIP on Raw Materials**
 - Strategic Implementation Plan (**SIP**) → **topics in H2020**
- **Foco principal** de los topics en esta “call”:
 - **securing the supply of minerals and metals** through **sustainable innovative production technologies for primary and secondary** raw materials.
- **“Other issues”**:
 - Cross-cutting call on '**Industry 2020 in the Circular Economy**', which focuses more on **resource efficiency, re-use and product life cycles**.
 - **bio-based materials (wood-based and natural rubber)**, mainly targeted by **SC2** and **BB1**
 - **substitution of critical and scarce raw materials** is mainly addressed under **NMBP-LEIT**

Call GREENING THE ECONOMY: Raw Materials (I)

TOPIC	TYPE OF ACTION	EVAL. TYPE	EC CONTRIB. Suggested (M€)	PRESUPUESTO (M€)		COMMENTS
				2016	2017	
SC5-13a-2016: New solutions for sustainable production of raw materials → Sustainable selective low impact mining	RIA	1 Stg	3-7	26,00		
SC5-13b-2016: New solutions for sustainable production of raw materials → New technologies for the enhanced recovery of by-products	RIA	1 Stg	3-7			
<i>SC5-13c-2017: New solutions for sustainable production of raw materials → New sensitive exploration techniques</i>	<i>RIA</i>	<i>1 Stg</i>	<i>3-7</i>		<i>10,00</i>	
SC5-14a-2016: Raw materials Innovation actions → Intelligent mining on land	IA	2 Stgs	8-13	28,00		
<i>SC5-14b-2017: Raw materials Innovation actions → Processing of lower grade and/or complex primary and/or secondary raw materials in the most sustainable ways</i>	<i>IA</i>	<i>1 Stg</i>	<i>8-13</i>		<i>56,00</i>	
<i>SC5-14c-2017: Raw materials Innovation actions → Sustainable metallurgical processes</i>	<i>IA</i>	<i>1 Stg</i>	<i>8-13</i>			

(*) Part of a larger budget envelope; the budget for each action is not specified. More details in the Condition of the Call

Observación de la Tierra



- ✓ Crear los máximos beneficios a los ciudadanos europeos a través de la infraestructura de Observación de la Tierra
- ✓ Para ello, hay que desarrollar servicios innovadores, por ejemplo relacionados con el cambio climático o con la gestión de riesgos
- ✓ Completar el componente in-situ de GEOSS and Copernicus
- ✓ Permitir el acceso y uso total de los datos de observación de la Tierra
- ✓ Colaboración con el sector privado para el uso de la tecnologías y el desarrollo de servicios

HORIZON 2020

-J.Alquézar, DG-RTD-



Patrimonio Cultural “for Sustainable Growth”

Objetivos:

- Desarrollar/Buscar **nuevas oportunidades** de innovación e inversión en este campo.
- De la conservación y restauración → **“factor de producción” y un recurso estratégico.**
- **Catalizador** de regeneración, desarrollo sostenible, crecimiento económico y calidad de vida.
- Desarrollar un **marco europeo de referencia y evidencia** de los “todos” los beneficios derivados, **“benefits of cultural heritage lead regeneration”**).



Apoyo a políticas de la UE



- **Circular Economy** y su impacto en la macroeconomía.
- **Acciones preparatorias** para futuras acciones de PreComercial Procurement (**PCP**) and Public Procurement of Innovative Solutions (**PPI**).

HORIZONTE 2020

H2020-Reto Social 5

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- **Algunos “detalles” del Programa de Trabajo**

Apoyo a la participación

Reto Social 5 – WP 2016-2017...algunos DETALLES

Important notice on the second Horizon 2020 Work Programme

This Work Programme covers 2016 and 2017. The parts of the Work Programme that relate to 2017 are provided at this stage on an indicative basis. Such Work Programme parts will be decided during 2016.



IMPORTANTE.-

Información **relevante**, además del “topic”, en:

- **Introducción** del Programa de Trabajo
- **Introducción** de las “calls” y de los bloques (“sub-calls”)
- **“Call-conditions”** al final de cada convocatoria

Reto Social 5 – WP 2016-2017...algunos DETALLES

En los “demonstration projects” (Innovation Actions)

Sinergias con otros fondos

“Because of the substantial investments that might be necessary for implementing, additional or follow-up funding (private or public) should be sought, including from relevant regional/national schemes under the European Structural and Investment Funds (ESIF), in particular under the European Regional Development Fund (ERDF), or other relevant funds such as the Instrument for Pre-accession Assistance (IPA II). To this end, projects could seek contact with ERDF/IPA authorities and the authorities who developed the Regional Specialisation Strategies (RIS3)*. Please note that the score in the evaluation of the proposal.”



Reto Social 5 – WP 2016-2017...algunos DETALLES

Introducción “calls” Reto Social 5_WP 2016-2017

“Pilot on Open Research Data” en H2020 →

*“A **novelty in Horizon 2020** is the Pilot on Open Research Data which aims to improve and maximise access to and re-use of research data generated by projects. Projects under the Societal Challenge 5 ...Work Programme 2016-17 will **by default participate in the Pilot on Open Research Data in Horizon 2020**, except for topicsProjects funded under the other calls of this Work Programme may participate in the Open Research Data Pilot in Horizon 2020 on a voluntary basis.*

*Projects have the possibility to **opt out** of the Pilot. Participation in the Pilot is not taken into account during the evaluation procedure.....*

*A **further new element in Horizon 2020** is the **use of Data Management Plans (DMPs)** detailing what data the project will generate, whether and how it will be exploited or made accessible for verification and re-use, and how it will be curated and preserved. **The use of a DMP is required for projects participating in the Open Research Data Pilot.** Other projects are invited.....*

*Beneficiaries in projects participating in the Pilot on Open Research Data are invited to follow the **GEOSS Data Sharing Principles** and to register in GEOSS the geospatial data, metadata and information generated as foreground of the project. ...”*

Reto Social 5 – WP 2016-2017...algunos DETALLES

Presupuesto 2016-2017 → 3 CALLs	287 M€ (293)
CALL - Industry 2020 in the Circular Economy - Circular Economy 17-Cross Cutting Activities	84,5 M€ (70)
CALL - Smart and Sustainable Cities - Sustainable cities through smart and digital solutions 17-Cross Cutting Activities	60 M€ (40)
CALL - Greening the Economy Climate services / Towards a Low-Carbon Europe / Nature-Based Solutions for Territorial Resilience / Water / Raw Materials / Earth Observation / Cultural Heritage for Sustainable Growth / Support to Policy and Preparing for Innovation Procurement 12-Societal Challenge 5	143M€ (183)

Reto Social 5 – WP 2016-2017...algunos DETALLES

Greening the Economy (12-Societal Challenge 5)

Sustainable cities through nature-based solutions (17-Cross Cutting Activities)

Circular Economy (17-Cross Cutting Activities)

AÑO		FECHA APERTURA	FECHA CIERRE Single Stage o 1st Step (Two Stages)	FECHA CIERRE 2nd Step (Two Stages)
2016	Single Stage	10/11/2015	08/03/2016	
2016	Two Stages	10/11/2015	08/03/2016	06/09/2016
2017	Single Stage	08/11/2016	07/03/2017	
2017	Two Stages	08/11/2016	07/03/2017	05/07/2017

EXCEPCIONES		
TOPICS	FECHA APERTURA	FECHA CIERRE
SC5-12-2016 (CSA)	15/10/2015	26/01/2016
SC5-24-2015 (CSA)	15/10/2015	26/01/2016
SC5-29-2016 (FPA)	14/04/2016	08/09/2016

Reto Social 5 – WP 2016-2017...algunos DETALLES

Conditions for the Call - Industry 2020 in the Circular Economy

- *Circular Economy*

Evaluation criteria, scoring and threshold: The criteria, scoring and threshold are described in part H of the General Annexes to the work programme with the following exceptions:



For single-stage and second-stage evaluations, the threshold for the criteria Excellence and Impact will be 4. The overall threshold, applying to the sum of the three individual scores, will be 12.

In case of equal overall scores in the ranked list, the priority order of proposals will be established in accordance with part H of the General Annexes, except that proposals will be ranked on the basis of individual scores for the Impact criterion before the Excellence criterion.

HORIZONTE 2020

H2020-Reto Social 5

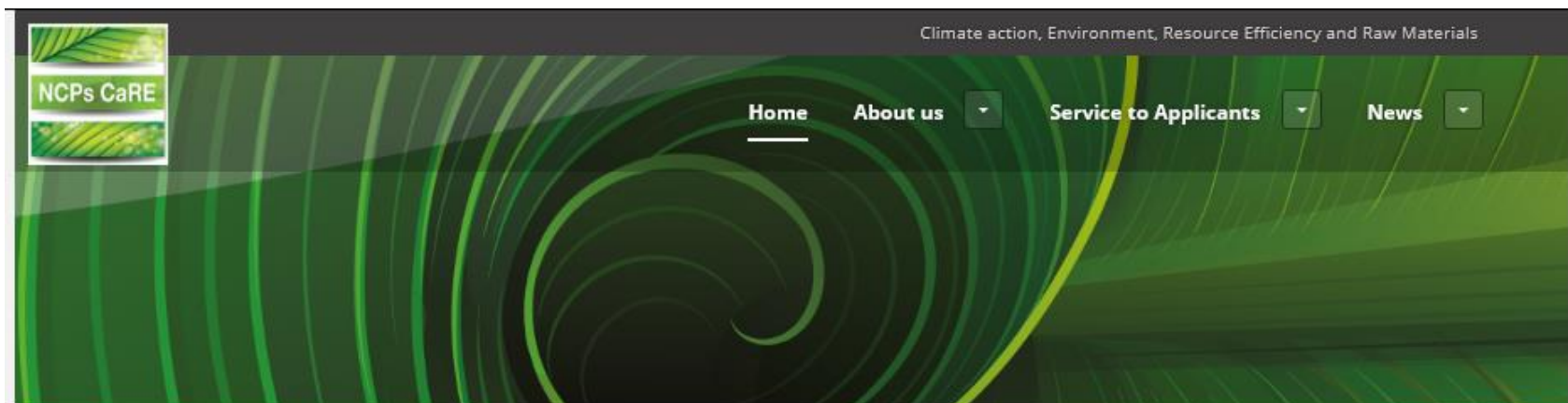
- **Objetivos**
- **Programa de Trabajo 2016-2017**
 - Bloques y “topics”**
- **Algunos “detalles” del Programa de Trabajo**

Apoyo a la participación

Apoyo a la Participación



Apoyo a la Participación: NCPs CaRE



NCPs CaRE, Red de NCPs del Reto Social 5.- <http://www.ncps-care.eu/>



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Información y Apoyo



www.eshorizonte2020.es



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- [Puntos Nacionales de Contacto](#)

**Puntos Nacionales de Contacto - Reto Social 5,
«Acción por el Clima, Medio Ambiente, Eficiencia de Recursos y Materias Primas»**

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Próximos eventos de interés

(...algunos)



- 30/11 – 11/12/15, (Paris) ,
[COP 21 - 21st session of the Conference of the Parties to the United Nations Framework Convention on Climate Change \(UNFCCC\)](#)
- 9-10/12/15 (Bruselas),
[3rd High Level Conference of the European Innovation Partnership \(EIP\) on Raw Materials and Horizon 2020 Brokerage Event on Raw Materials](#)

Más eventos a través de:

- [EC- R&I-Environment](#)
- [esHorizonte2020](#)

26/11/2015



Gracias por su atención

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