

ASAMBLEA GENERAL PTEA
MADRID, 12 JUNIO 2017

2018 -2020

H2020 – Reto Social 5

Y

PRIMA

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H2020-Reto Social 5

- **Algunos resultados 2014-2015-2016**
- **Ideas Programa de Trabajo 2018-2020**

PRIMA

Y.....¿cómo nos está yendo?

Reto Social 5 → Resultados 2014-2015 y 2016

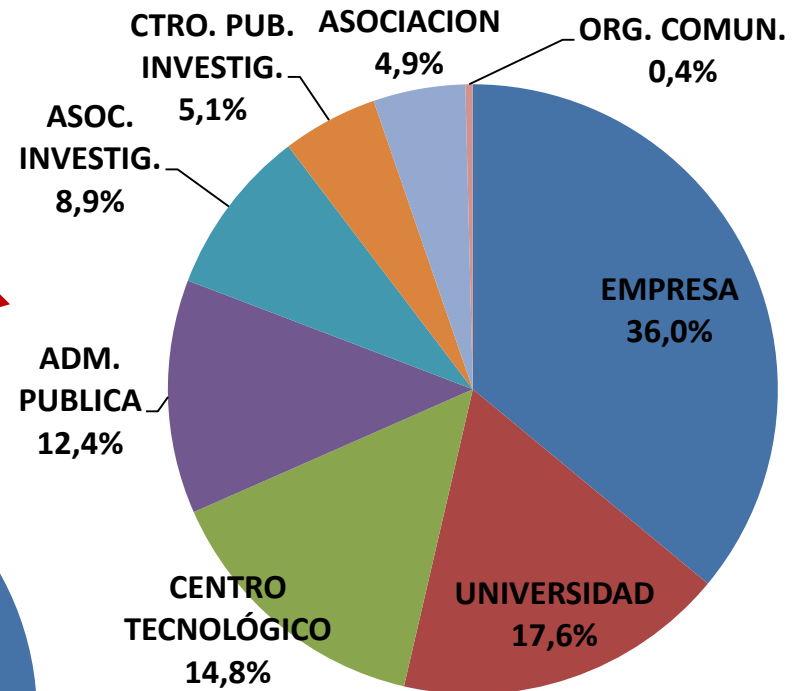
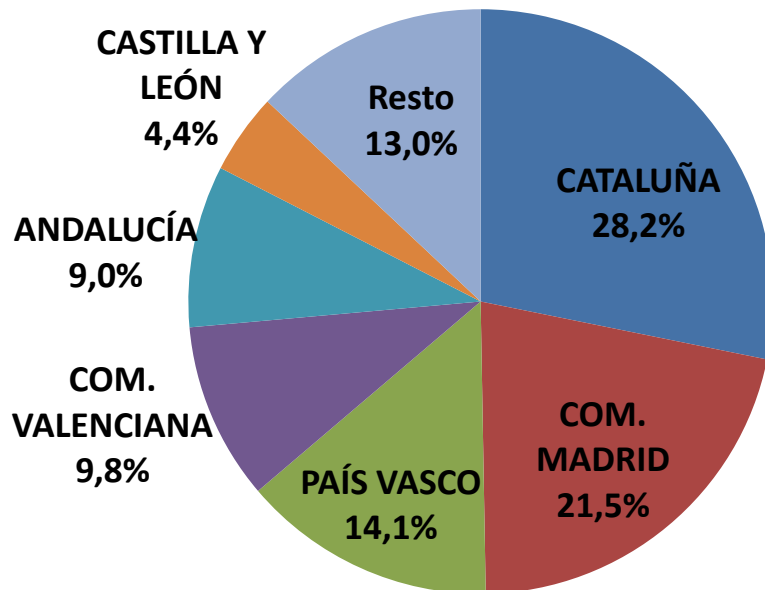
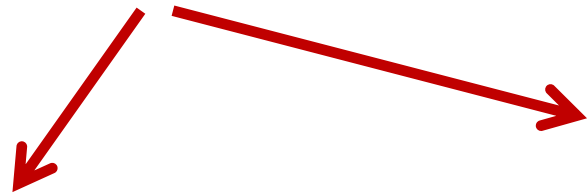
- **Propuestas presentadas:**
 - **ES** participa en el **64,1%** de las propuestas presentadas en estas convocatorias, (TOTAL = 775).
- **Proyectos financiados:**
 - **Entidades españolas** en **118** de los 169 proyectos financiados (**69,8%**)
 - **35** de los proyectos financiados (**20,7%**) **coordinados por ES**
 - **Subvención** recibida **121,9M€ (13,9% UE)**
 - **ES** propuestas aprobadas/presentadas **23,7%** (21,8% total)*
 - Posición: **España**, Alemania, Reino Unido, Países Bajos, Italia, Francia..., etc.

* Influencia de los "topics in 2-stages".

Y.....¿cómo nos está yendo?

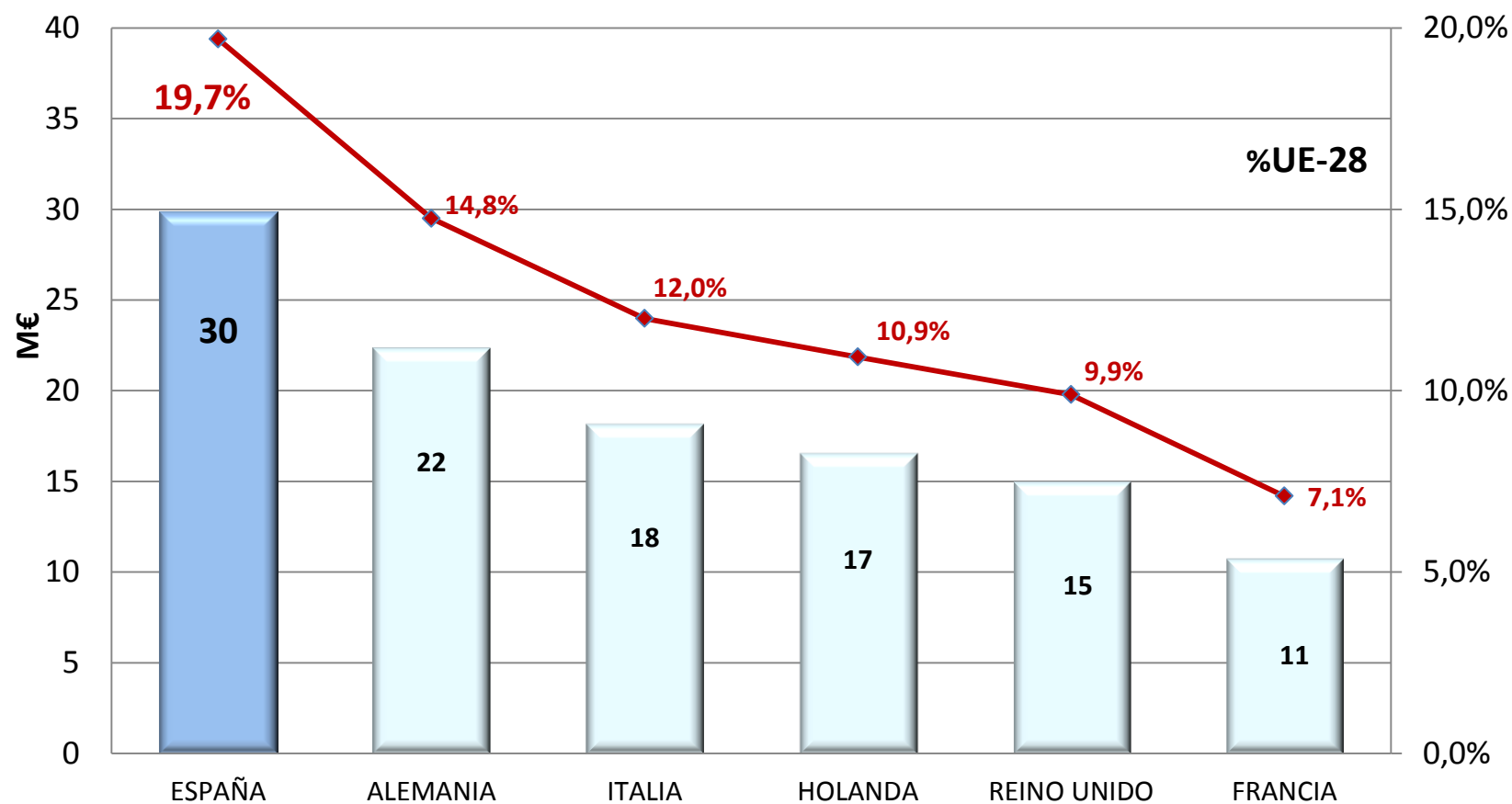
Reto Social 5 → Resultados 2014-2015 y 2016

En términos de
RETORNO.....



Estadísticas por tipo de entidad

Resultados convocatorias WATER 2014-2015



12/06/2017

Reto Social 5 - Convocatorias 2016

“Topics” directamente relacionados con **AGUA**:

Acciones de Innovación (IAs)

CIRC-2a-2016: Water in the context of the circular economy-> Demonstrating the potential of efficient nutrient recovery from water

2 proyectos financiados yliderados por ES:

- **Water2REturn**, “REcovery and REcycling of nutrients TURNing wasteWATER into added-value products for a circular economy in agriculture”
(**BIOAZUL SL**, U. de Sevilla, U. de Cádiz, CENTA, KIMITEC),
- **RUN4LIFE**, “Recovery and Utilization of Nutrients 4 Low Impact Fertilizer”,
(**FCC AQUALIA SA**, LEITAT, U.Santiago de Compostela, WE&B, Consorcio Zona Franca Vigo).

SCC-2a-2016: Demonstrating innovative nature-based solutions in cities → Demonstrating innovative nature-based solutions for climate and water resilience in cities

4 proyectos financiados, 1 liderado por ES:

- **URBAN GreenUP**, “New Strategy for Re-Naturing Cities through Nature-Based Solutions”
(**Fund. CARTIF**, Ayto. Valladolid, Acciona Infraestructuras, Singulargreen S.L., CENTA, Conf. Hidrog. Duero, GMV, LEITAT)

Acciones de Investigación e Innovación (RIAs)

SC5-09-2016: SC5-09-2016: Operationalising insurance value of ecosystems

1 proyecto financiado yliderado por ES:

- **NAIAD**, “NAture Insurance value: Assessment and Demonstration”
(**Conf. Hidrográfica Duero**, I-Catalist, IGME, Univ. Politécnica de Cartagena)


H2020-Reto Social 5

- **Algunos resultados 2014-2015-2016**
- **Ideas Programa de Trabajo 2018-2020**

PRIMA

SC5.- WP 2018 – 2020, some ideas

Water for our environment, economy and society

- Building a water-smart circular economy and society
- Digital solutions for water, linking the physical and digital world for water solutions
- International collaboration (India p.e.)
- [PRIMA]
- 
- Inter-relation between climate change, biodiversity and ecosystems (water-energy-food nexus, forest fires...)
- NBS for restoration of urban ecosystems and water security
- Valuing nature: mainstreaming natural capital in EU Member State and business decision-making

H2020-Reto Social 5

- Algunos resultados 2014-2015-2016
- Ideas Programa de Trabajo 2018-2020

PRIMA

PRIMA*, Partnership for Research and Innovation in the Mediterranean Area

- Iniciativa de **investigación e innovación** para el desarrollo y la implementación de soluciones innovadoras para la **producción sostenible de alimentos y la gestión eficiente de los recursos hídricos (disponibilidad y demanda de agua)** en el área mediterránea.



- Está prevista la aprobación de este iniciativa para **junio-julio/2017**, (sobre la que se empezó a trabajar en 2012 y para la que se presentó una propuesta en diciembre/2014).

Common Mediterranean challenges

Climate change

The Mediterranean is one of the most vulnerable regions to climate change and is predicted to become even warmer and drier than it already is. The main effects are regional water shortages, with major impacts on agriculture and food security affecting, soils sustainability and crop yields.

Population growth and food security

Due to demographic growth, there will be some 520 million persons to feed in the region by 2020 (CIHEAM, 2015). Mediterranean agriculture is globally less and less able to provide sufficient food for its population.

Water scarcity and overexploitation of natural resources

Mediterranean water resources are limited and often of low quality, fragile and unevenly distributed in space and time. Under the arid and semi-arid conditions of the Mediterranean basin, the various forms of land degradation, particularly erosion and salinization, are sharply felt.

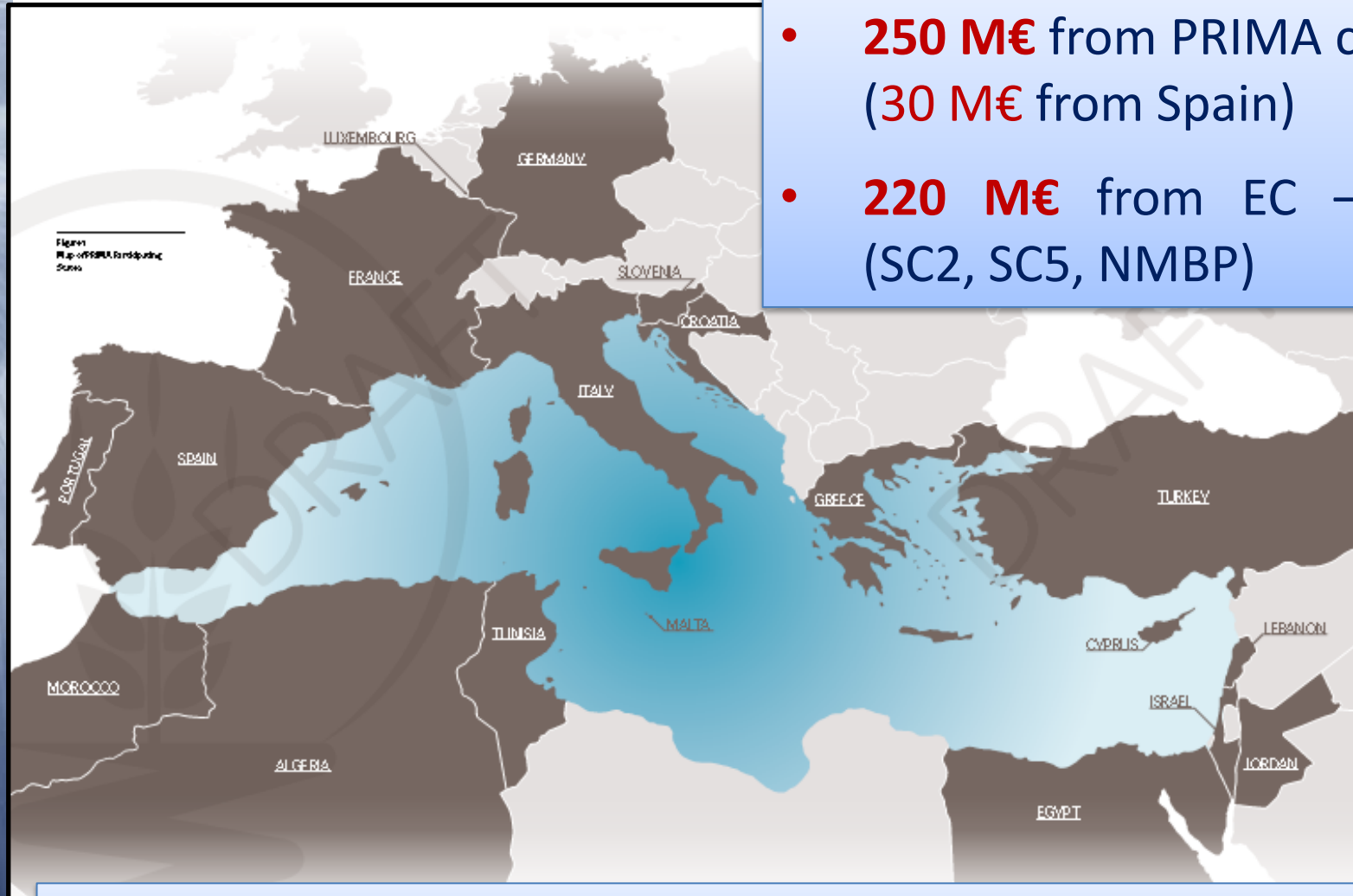
PRIMA (Art.185)

Article 185 TFEU* initiative is the most suitable instrument to tackle the global challenges of the Mediterranean region

- **Scientific integration.-** Long-term (10 years) **joint implementation** of a **common agenda** for optimizing national R&I activities and programmes
- **Management integration.-**
 - **joint management** operated through an independent legal entity (DIS, Dedicated Implementation Structure) in Barcelona
 - reduction of transaction costs; avoid duplications;
 - **alignment of existing programmes**
- **Financial integration.-** **High level** and **solid multiannual financial commitments** by participating states. Union contribution: defined in the basic act, in most cases matching the contributions of participating states

*Treaty of the Functioning of the European Union

The PRIMA partners



- **250 M€** from PRIMA countries (30 M€ from Spain)
- **220 M€** from EC – H2020 (SC2, SC5, NMBP)

The PRIMA initiative remains open to any country willing either to observe or to join the Programme, including those associated to Horizon 2020

PRIMA (Art.185)

Para la puesta en marcha de PRIMA, se ha financiado

una CSA,



con el objetivo de:

- 1) diseñar una **agenda estratégica de investigación e innovación** (SRIA),
- 2) implementar la **estructura dedicada de gestión** (DIS) y el **programa de trabajo de 2018** y
- 3) Conectar PRIMA con **stakeholders y usuarios finales**

MINECO-SEIDI es el socio español de **4PRIMA**.

SRIA, Strategic Research and Innovation Agenda

THEMATIC AREAS



PRIMA

PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA

Strategic Research and Innovation Agenda

Draft - May 3, 2017



MANAGEMENT OF WATER

Integrated and sustainable management of water for arid and semi-arid Mediterranean areas



FARMING SYSTEMS

Sustainable farming systems under Mediterranean environmental constraints



AGRO-FOOD VALUE CHAIN

Sustainable Mediterranean agro-food value chain for regional and local development.

SRIA Operational Objectives

Thematic Area 1: Sustainable management of water for arid and semi-arid Med areas

To test and stimulate adoption of context-tailored **water-saving solutions**, in particular in **agriculture**

To improve **land and water** sustainability in **arid** and semi-arid **watersheds**

To elaborate and stimulate adoption of new policies and protocols for the **governance of water management systems**

Thematic Area 2: Sustainable farming systems under Med environmental constraints

To develop **smart** and sustainable **farming systems** to maintain **natural resources** and to increase **production efficiency**

To design and promote the adoption of novel approaches to reduce the impact of **pests and pathogens in farming**

Thematic Area 3: Mediterranean food value chain for regional and local development

To innovate in the Mediterranean food products based on **Mediterranean diet heritage** and to enhance the **links between nutrition and health**

To find context-adapted solutions to increase **food and water chain efficiency**, and **reduce losses and wastes**

To conceive and implement innovative, **quality oriented models in agro-business** as potential sources of new jobs and economic growth

SRIA Public consultation

RESEARCH AND INNOVATION AGENDA (SRIA)

Home » Strateg

PRIMA Strategic Research and Innovation Agenda (SRIA) has been jointly defined by 4PRIMA partners based on an initial broad consultation. The SRIA aims at enabling the prioritization of 8 objectives to be pursued by PRIMA:

1. Sustainable farming;

2.

3. Healthy diet;

4. Resource efficiency;

5. Control of pest and pathogens in farming;

6. Resilient models in agri-food industry;

7. Resilience to variability in arid and semi-arid watersheds;

8. Resilience of water management systems

Extended deadline up to 16 June!

To define the main technical and implementation features of the initiative, the opinion of PRIMA Stakeholders is highly appreciated. **To this survey is opened from 2 May 2017 to 31 May 2017. It can be filled online in 10 mins - [click here](#) Extended deadline up to 16 June!**

For more information and access to the draft of the PRIMA SRIA, available for download [here](#).

STATUS OF THE PRIMA SRIA PUBLIC SURVEY, 5 June 2017

<http://4prima.org/content/strategic-research-and-innovation-agenda-sria>

12/06/2017

PRIMA Implementation

- Calls under **annual Work Plans**, based on SRIA.
- **First Work Plan** in **2018**, (under definition).
- **Management** of the calls **by DIS**.
- Calls.-
 - Section 1.- EU funds in form of actions “H2020 like” (RIAs, IAs and CSAs)
 - Section 2.- “ERA-NET like” with national funds.
Spain will support both public and private entities

DISCLAIMER



In **no circumstance** the content of these slides can substitute the official information available provided by the Commission services.

Información y Apoyo



www.eshorizonte2020.es



- [Listas de Distribución](#)
- [Puntos Nacionales de Contacto](#)

Reto Social 5,

«Acción por el Clima, Medio Ambiente, Eficiencia de Recursos y Materias Primas»

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Gracias por su atención

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Reto Social 5

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ANEXO

- **Reto Social 5: 2014-2016, proyectos liderados ES**

WATER 2014-2015: Proyectos coordinados ES

MAGIC (UAB)	Moving Towards Adaptive Governance in Complexity: Informing Nexus Security (RIA)
INTEGROIL (ACCIONA AGUA, S.A.)	Demonstration of a Decision Support System for a Novel Integrated Solution aimed at Water Reuse in the Oil & Gas Industry (IA)
INCOVER (AIMEN)	Innovative Eco-Technologies for Resource Recovery from Wastewater (IA)
iMETland (IMDEA AGUA)	iMETland: A new generation of Microbial Electrochemical Wetland for effective decentralized wastewater treatment (IA)
CYTO-WATER (LABAQUA, S.A.)	Integrated and portable image cytometer for rapid response to Legionella and Escherichia coli in industrial and environmental waters (IA)
REMEB (FACSA)	Eco-friendly Ceramic Membrane Bioreactor (Mbr) Based On Recycled Agricultural And Industrial Wastes For Waste Water Reuse (IA)
SALTGAE (INSPIRALIA)	Demonstration project to prove the techno-economic feasibility of using algae to treat saline wastewater from the food industry. (IA)
MASLOWATEN (UPM)	MARKet uptake of an innovative irrigation Solution based on LOW WATER-ENERgy consumption (IA)
WATERINNEU (CREAF)	Applying European market leadership to river basin networks and spreading of innovation on water ICT models, tools and data (CSA)
BlueSCities (CTM)	Blueprints for Smart Cities: Developing the methodology for a coordinated approach to the integration of the water and waste sectors within the EIP Smart Cities and Communities (CSA)
WIDEST (EURECAT)	Water Innovation through Dissemination Exploitation of Smart Technologies (CSA)
WaterWorks2014 (MINECO)	Water Works 2014-2019 in Support of the Water JPI (ERA-NET Cofund)

WASTE 2014-2015: Proyectos coordinados ES

PPI4Waste (IAT)	Promotion of Public Procurement of Innovation for Resource Efficiency and Waste Treatment (CSA)
FISSAC (ACCIONA Infraestr.)	Fostering Industrial Symbiosis for a Sustainable Resource Intensive Industry Across the Extended Construction Value Change (IA)
RESLAG (CICEnergigune)	Turning waste from steel industry into a valuable low cost feedstock for energy intensive industry (IA)
Waste4Think (Fundación Deusto)	Moving towards Life Cycle Thinking by integrating Advanced Waste Management Systems (IA)
URBANREC (AIMPLAS)	New approaches for the valorisation of URBAN bulky waste into high added value RECYCled products (IA)
UrBAN-WASTE (Gobierno de Canarias)	Urban strategies for Waste Management in Tourist Cities (RIA)
HISER (Tecnalia)	Holistic Innovative Solutions for an Efficient Recycling and Recovery of Valuable Raw Materials from Complex Construction and Demolition Waste (RIA)
IMPACTPapeRec (ITENE)	Boosting the implementation of participatory strategies on separate paper collection for efficient recycling (CSA)

SC5 (general) 2014-2015: Proyectos coordinados ES

BRODISE (Ayto. de Bilbao)	BROWNFIELD Decontamination In Southern Europe. Preparing PCP to R+D for efficient, cost effective and innovative solutions for brownfields decontamination (CSA)
ConnectinGEO (CREAF)	Coordinating an Observation Network of Networks EnCompassing saTellite and IN-situ to fill the Gaps in European Observations (CSA)
OptimORE (UPC)	Holistic Innovative Solutions for an Efficient Recycling and Recovery of Valuable Raw Materials from Complex Construction and Demolition Waste (RIA)
INTMET (Cobre las Cruces)	Integrated innovative metallurgical system to benefit efficiently polymetallic, complex and low grade ores and concentrates (RIA)

SC5 (general) 2016: Proyectos coordinados ES

VISCA (METEOSIM SL)	Vineyards´ Integrated Smart Climate Application (IA)
CLARITY (ATOS Spain SA)	Integrated Climate Adaptation Service Tools for Improving Resilience Measure Efficiency (IA)
NAIAD (Conf. Hidrogr. Duero)	NAture Insurance value: Assessment and Demonstration (RIA)
SLIM (UPM)	Sustainable Low Impact Mining solution for exploitation of small mineral deposits based on advanced rock blasting and environmental technologies (RIA)
PLATIRUS (TECNALIA)	PLATInum group metals Recovery Using Secondary raw materials (RIA)

Sustainable Cities 2016: Proyectos coordinados ES

URBAN GreenUP (Fundación CARTIF)	New Strategy for Re-Naturing Cities through Nature-Based Solutions (IA)
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Circular Economy 2016: Proyectos coordinados ES

PAPERCHAIN (ACCIONA INFRAESTRUCTURAS S.A.)	New market niches for the Pulp and Paper Industry waste based on circular economy approaches (IA)
CIRC-PACK (CIRCE)	Towards circular economy in the plastic packaging value chain (IA)
PlastiCircle (ITENE)	Improvement of the plastic packaging waste chain from a circular economy approach (IA)
Water2REturn (BIOAZUL SL)	REcovery and REcycling of nutrients TURNing wasteWATER into added-value products for a circular economy in agriculture (IA)
RUN4LIFE (FCC AQUALIA SA)	Recovery and Utilization of Nutrients 4 Low Impact Fertilizer (IA)