

Reunión informativa

Oportunidades de Participación en Proyectos Europeos

Temática Medio Ambiente

Melinda Ratkai
Proyectos Europeos – OTRI
Universidad de Málaga
+34 95 213 4190
melinda@uma.es

Yamina Seamari
Proyectos Europeos – OTRI
Universidad de Málaga
+34 95 213 4190
yamina@uma.es

Málaga, 21 abril 2016

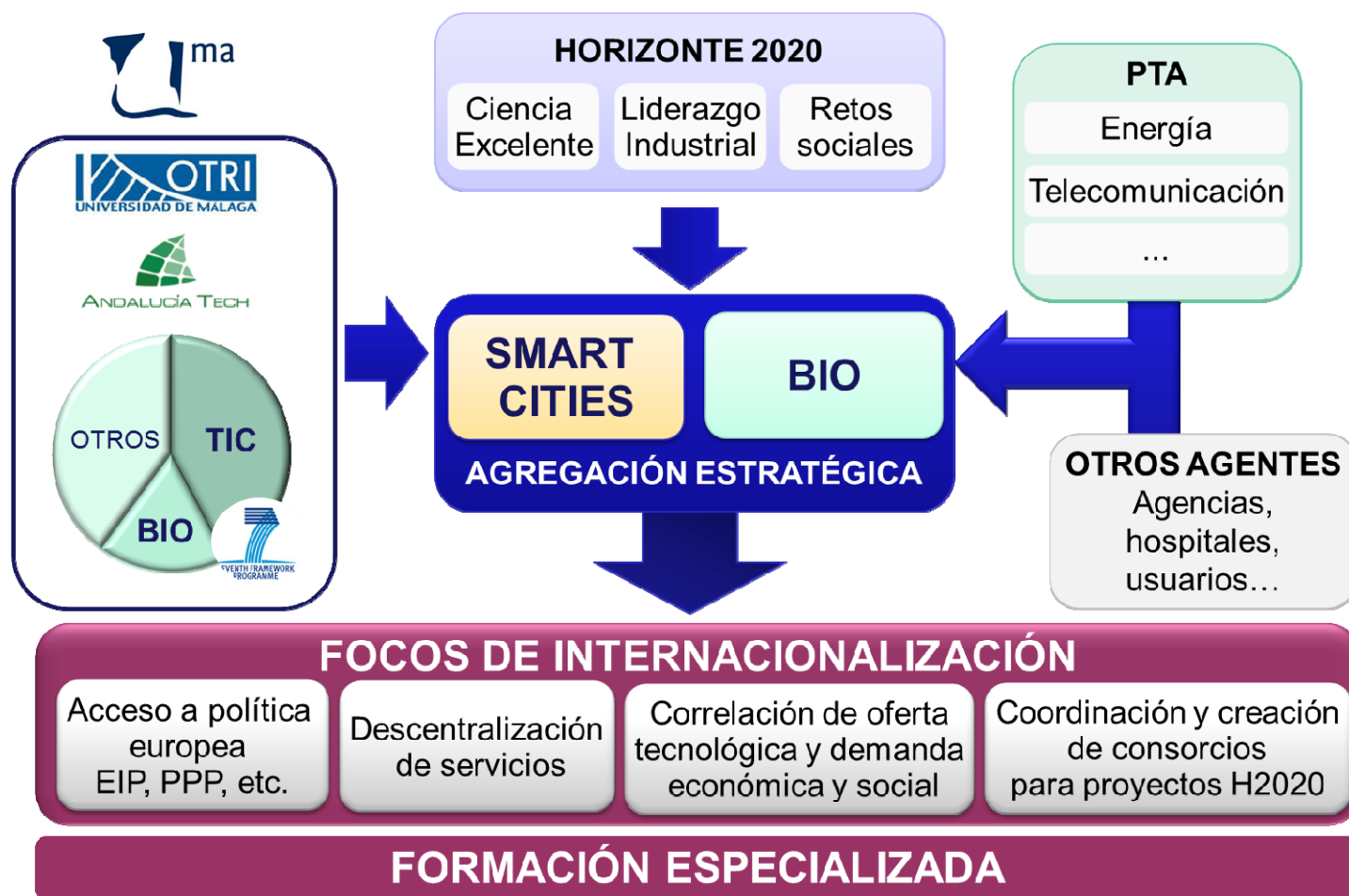


Agenda – Medio Ambiente

- Introducción
- Convocatorias H2020: CO2, Cambio climático, Agua, Residuos
- LIFE
- Cost Actions
- Interreg
- ¿Cómo ser un experto y/o evaluador?
- Grandes Iniciativas Europeas
- Otras entidades de interés
- Eventos
- Más información

*This presentation is for general information only.
The texts of the Framework programmes, work
programmes and EU documents on
Cordis/Participants Portal constitute the legal basis
to apply.*

Europa Redes y Gestores: EUC2014-52377



Programa Estatal de I+D+i Orientada a los Retos de la Sociedad

Estrategia Europa 2020 & H2020

“La estrategia Europa 2020 trata de lograr un crecimiento inteligente, a través de inversiones más eficaces en educación, investigación e innovación, sostenible, gracias al impulso decidido a una economía baja en carbono, e integrador, que ponga el acento en la creación de empleo y la reducción de la pobreza. La estrategia se centra en cinco ambiciosos objetivos en las áreas de empleo, innovación, educación, reducción de la pobreza y cambio climático / energía. ”



Horizon 2020 is the financial instrument implementing the Innovation Union, a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness.

Smart Cities– General Overview

➤ **Context**

level of urbanisation in EU above 75%, to rise to 80% by 2020, with cities consuming over 70% of energy and emitting as much of greenhouse gases in EU

Need to act now to achieve EU climate and energy goals

➤ **20-20-20 goals**

20% reduction CO₂ compared to 1990

20% share of renewable energy in total energy mix

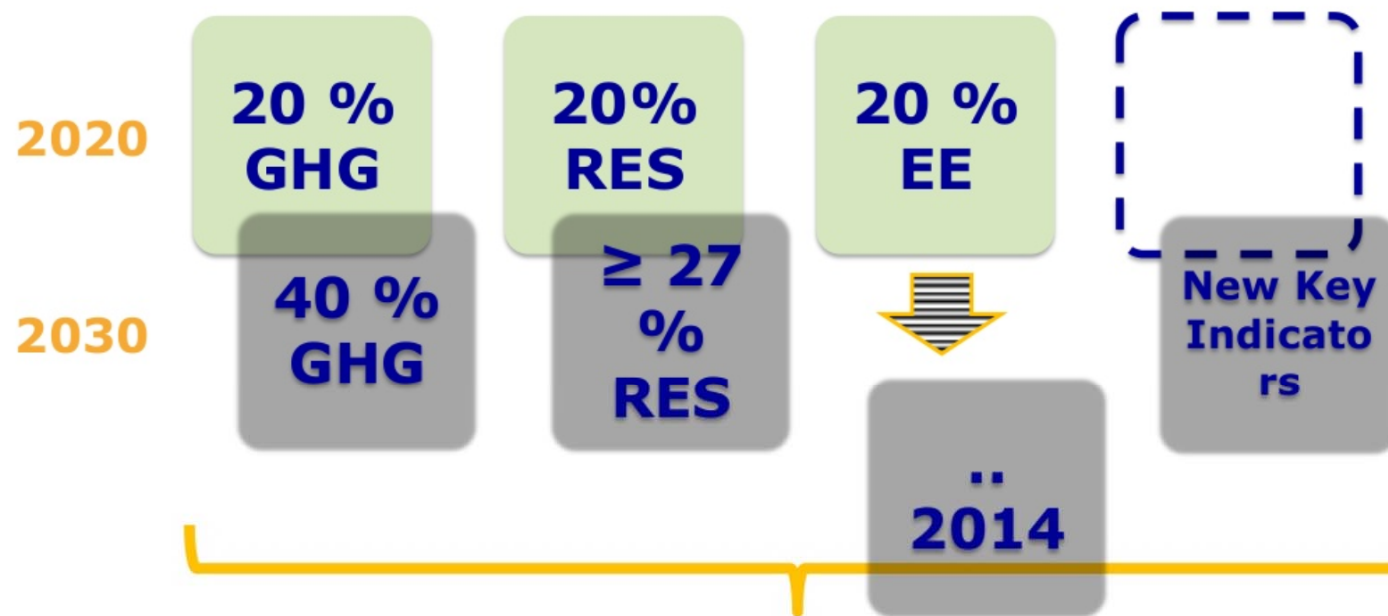
20% improvement in energy efficiency

➤ **Definition**

Smart cities can be seen as **systems** with people, flows of energy, materials, services and financing that catalyse sustainable economic development and high quality of life through the wise use of technology and innovative transparent urban planning that is closely related to the economic and social activity of communities.

Smart cities projects : optimisation of flows through the use of ICT ₂

2030 climate and energy Framework



New governance system



**Acciones de innovación
– IA –
Innovation Actions**

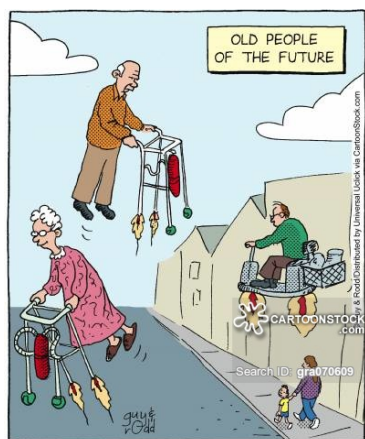
**Acciones de
investigación e
innovación RIA -
Research & Innovation
Actions**

TIPOS DE ACCIÓN

**Acciones de
coordinación y apoyo
CSA - Coordination and
Support Actions**

Requisitos :

1. Min 3 entidades de EM o EA,
2. Independientes,
3. Abierto a terceros países



<https://www.youtube.com/watch?v=9xQMZ8V8ZpI>



CO₂



General expected impacts:

- Reduce Co₂ emission
- Improve Co₂ re-use
- Support EU in becoming global leader in CO₂ re-use technologies etc.

NMBP-19-2017 (RIA): Cost-effective materials for “power-to-chemical” technologies “Materiales rentables para tecnologías de “potencia química””

Deadline: 04/05/2017

Challenge:

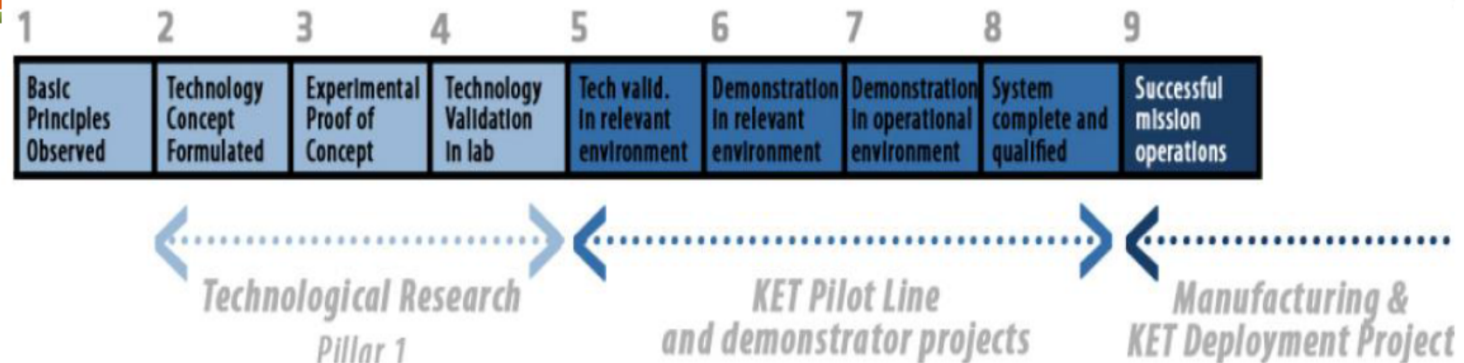
- Chemical energy storage (hydrogen or chemicals). Esp. the production of chemical (methanol, ethanol etc) by co-electrolysis is a promising technology.

Objectives (1 or more):

- Development of low cost **advanced materials** for **solid state storage of hydrogen at low pressure**
- Direct synthesis of **chemicals from CO₂-H₂O co-electrolysis**
- Efficient low cost **photochemical water splitting reactors and catalysts** with optimized flow behaviours
- **Electro-chemistries to separate and purify hydrocarbon streams.**
- **To start at TRL3 and target TRL5**



TRLs



Cuando la descripción de un tema se refiera a TRL (Technology Readiness Level), se aplicarán las siguientes definiciones, a menos que se especifique otra cosa:

- TRL 1 – basic principles observed
- TRL 2 – technology concept formulated
- TRL 3 – experimental proof of concept
- TRL 4 – technology validated in lab
- TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key -enabling technologies)
- TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7 – system prototype demonstration in operational environment
- TRL 8 – system complete and qualified
- TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

NMBP-20-2017 (IA): High-performance materials for optimizing carbon dioxide capture “Materiales de alto rendimiento para optimizar la captura de dióxido de carbono”

Deadline*27/10/2016

Challenge:

- CCS(Carbon capture and storage) is a key element in the EU low carbon policy (where **CO2 capture** is a major part).

Objectives:

- Promising material solutions for the **next generation CO2** capture techn. (pre-combustion, post-combustion, oxygen combustion or others)
- Capture **technologies**. Nanostruc hybrid materials, membranes, solid and liquid-based adsorbents
- **From TRL 5 to TRL6**

Expected outputs:

- Prove added value (sustainability and performance) or their ability to address unique applications
- Prove viability (manufacturability, stability, long working-life and easy regeneration)
- High efficiency
- Readiness for pilot manufacturing to integrate the high-performance materials in existing demonstration projects

BIOTEC-05-2017 (RIA): Microbial platforms for CO₂-reuse processes in the low-carbon economy “Plataformas microbianas para procesos de reutilización de CO₂ en la economía baja en carbono”

Deadline*27/10/2016

Challenge:

- Making CO₂ a valuable commodity rather than a pollutant

Objectives (1 or more) - Start from TRL 3-5- :

- **Microbes** with an improved ability to convert CO₂ as a feedstock into chemicals and plastics
- New, more active and robust enzymes for improved bio-catalysis
- New synthetic **microbial sys** to produce useful enzymes.
- Improved microbes with resistance to impurities, by-products and target products
- **Explore potential application sectors**
- **SHOULD**: explore public perception and acceptance of the techn of CO₂ reuse (SSH)

Expected outputs (min. 1 or more):

- Development and validation of at least 2 MICROBIAL cell factories
- Solve challenges of **industrial-scale implementation**

LCE-06-2017 (RIA): New knowledge and technologies “Nuevos conocimientos y tecnologías”

Deadline: 05/01/2017

Challenge:

- energy system by 2030 and 2050; promising developments and do not represent a risk to society.

Objectives:

- **Sustainable fuels** -> enable novel fuel production (address 1):
 1. novel microorganisms, enzymes, catalysts or a combination
 2. Renewable alt. **fuels from CO₂** in industrial waste flue gases
 3. Renewable alt. **fuels from H₂O, CO₂** and energy
 4. Middle distillate range biofuels (diesel and jet...) from liquid organic or lignocellulosic **waste streams**
- Move the techn. involved to TRL 4 !

LCE-08-2017 (RIA): Development of next generation biofuel technologies

“Desarrollo de tecnologías de biocombustibles de próxima generación”

Deadline: 05/01/2017

Challenge:

- New sustainable biofuels technologies that **improve performance notably**

Objectives:

- Next wave of sustainable liquid biofuels from TRL3-4 to TRL 4-5
- Main scope: improving the **feedstock supply** by **reducing** the supply **costs** and possibly diversifying the biomass feedstock
- But also should address: improving the techn competitiveness by upgrading the conversion efficiency and possibly diversifying the technology.
- Address the particular transport sectorial needs where relevant.

2017:

- **Biofuels from CO2 in industrial waste flue gases** (autotrophic, micro-organisms)
- From organic fraction of municipal and industrial waste (thermochemical, biochemical or chemical)
- From phototrophic algae & bacteria

Outputs:

- Increased understanding of risks (all types), performance and cost targets, key performance indicators, explicit exploitation plans



SPIRE-08-2017 (RIA): Carbon dioxide utilisation to produce added value chemicals

“La utilización de dióxido de carbono para producir productos químicos de valor añadido”

Deadline: 19/01/2017

Challenge:

- CO₂ as a carbon source

Objectives:

- Involve industries in a clear LEADERSHIP ROLE !
- TRL4-6

Must contain:

- CO₂ and CO should come from industrial flue and process gases from the process industries
- Purification and conditioning methods to bring the gas into chemicals
- Testing of a system prototype, process modelling and life cycle assessment
- Relate to the specifications requested by the Market
- Analysis of economic feasibility and impact, evaluation of market potencial, and benefit on the European competitiveness
- Analysis of environmental and social benefits
- Business case and exploitation strategy

[LCE-27-2017](#) (RIA): Measuring, monitoring and controlling the risks of CCS, EGS and unconventional hydrocarbons in the subsurface “[Medir, monitorizar y controlar los riesgos de la CCS, EGS y los hidrocarburos no convencionales en el subsuelo](#)”

Deadline: 05/01/2017

Challenge:

1. Safe and sustainable storage or circulation of significant volumes of CO₂ in the subsurface
2. Unconventional hydrocarbon resources result in new opportunities, but also bears environmental and public risks
3. Understand and quantify possible (natural and engineered) leakage pathways for natural gas, the rates of leakage into aquifers and escape at surface, the impacts that leakage can have fresh groundwater resources, soil and biodiversity

Objectives:

- Will be further specified later

LCE-28-2017 (RIA): Highly flexible and efficient fossil fuel power plants

“Plantas de energía de combustibles fósiles altamente flexibles y eficientes”

Deadline: 05/01/2017

Challenge:

- Operational flexibility for fossil fuel power (and CHP) plants.

Objectives:

- From TRL 3, TRL4-6
- Both existing (retrofitting) and new thermal power plants
- Collaboration with power plant operators is encouraged
- Improvements related to **LOAD FLUCTUATIONS**

Expected output:

- Improve new and /or existing dispatchable thermal power plants to meet fast load changes.

LCE-30-2017 (RIA): Geological storage pilots “Proyectos piloto de almacenamiento geológico”

Deadline: 05/01/2017

Challenge:

- Greenhouse gas emission ↓ at least 80% by 2050 → fossil fuel combustion eliminated from the sys

Objectives:

- From TRL4-5 to TRL 6
- Knowledge sharing, sustained engagement of stakeholders
- Identify key drivers and influencers of public attitude
- International cooperation
- Real life conditions

Expected output:

- Demonstration of safe and environmentally sound **CO2 storage**
- Pilot-scale demonstration projects
- Fine-tuning regulatory issues

MG-4.2-2017 (IA): Supporting 'Smart Electric Mobility' in cities "Apoyo a la 'Movilidad Eléctrica Inteligente' en las ciudades"

Deadline*26/01/2017

Challenge:

- First-mover disadvantage until there are enough electric vehicles to make the recharging infrastructure profitable

Objectives:

- Integrated approaches and Business models to create the conditions for **market take up in urban and sub-urban areas (private or public recharging stations)**

Expected outputs:

- Large scale, sustainable and **decentralized energy production and distribution**
- Intelligent billing systems
- Consumers acceptance, value models
- Integrate electromobility in SUMPs
- Clear **commitments** for a further Europe-wide take-up and rollout of results

Cambio Climático



General impacts:

- Supporting EU climate policies
- UNFCCC
- Copernicus Climate Change

The 2030 climate and energy framework sets three key targets for the year 2030:

At least 40% cuts in **greenhouse gas emissions** (from 1990 levels)

At least 27% share for **renewable energy**

At least 27% improvement in **energy efficiency**.

GV-01-2017 (IA): Optimisation of heavy duty vehicles for alternative fuels use “Optimización de los vehículos pesados para utilizar combustibles alternativos”

Deadline: 01/02/2017

Challenge:

- Optimise and develop new powertrains (engine/exhaust after treatment systems) for heavy duty vehicles running on alternative fuels

Objectives (1 or several):

- Bio-methane mixed into liquefied natural gas
- Biofuels ED95 and B50. 2nd generation biofuels

All:

- Optimise and develop new powertrains
- Evaluate EE, costs, performance, environmental benefits and durability
- Prototype validation. Small demonstration.
- Recommendations for standards

GV-09-2017 (IA): Aerodynamic and flexible trucks “Camiones aerodinámicos y flexibles”

Deadline: 01/02/2017

Challenge:

- Present regulatory framework is not conducive to some of the developments.

Address (all):

- Define potential solutions for configurable trucks
- New concepts and techs
- Revising standardisation and regulatory framework
- Demonstrate potential in real time vehicle boundary configuration for best aerodynamics and energy management

SC5-04-2017 (RIA): Towards a robust and comprehensive greenhouse gas verification system “Hacia un sistema de verificación de gases de efecto invernadero robusto y completo”

Deadline: 07/03/2017

Challenge:

- Make accurate estimates of GHG emission as well as provision of mitigation services allowing robust reporting and verification against independent data and analyses.
- Understanding of the carbon and nitrogen cycle in the earth-climate sys

Objectives:

- Quantify more accurately the stocks and fluxes of CO₂, CH₄, N₂O
- Observation from a wide range of monitoring networks (in-situ and satellite)
- Independent verification of data
- Versatility of applications

Expected outputs:

- GHG monitoring, reporting and independent verification sys (among others)



SC5-01-2017 (RIA): Exploiting the added value of climate services

“Explotando el valor añadido de los servicios climáticos”

Deadline: 07/03/2017

Challenge:

- Minimise risks and costs and to seize opportunities of climate-informed decision-making at all levels.

Objectives:

- **From climate service concepts to piloting and proof-of-concept**
- Address áreas where climate services show potential for being developed
- Co-designed pilot applications to mobilise end-user communities

SMEInst-11-2017: Boosting the potential of small businesses in the áreas of climate action, environment, resource efficiency and raw materials

“Impulsar el potencial de las pequeñas empresas en las áreas de acción por el clima, el medio ambiente, eficiencia de los recursos y materias primas”

Varios cut-off dates

Challenge:

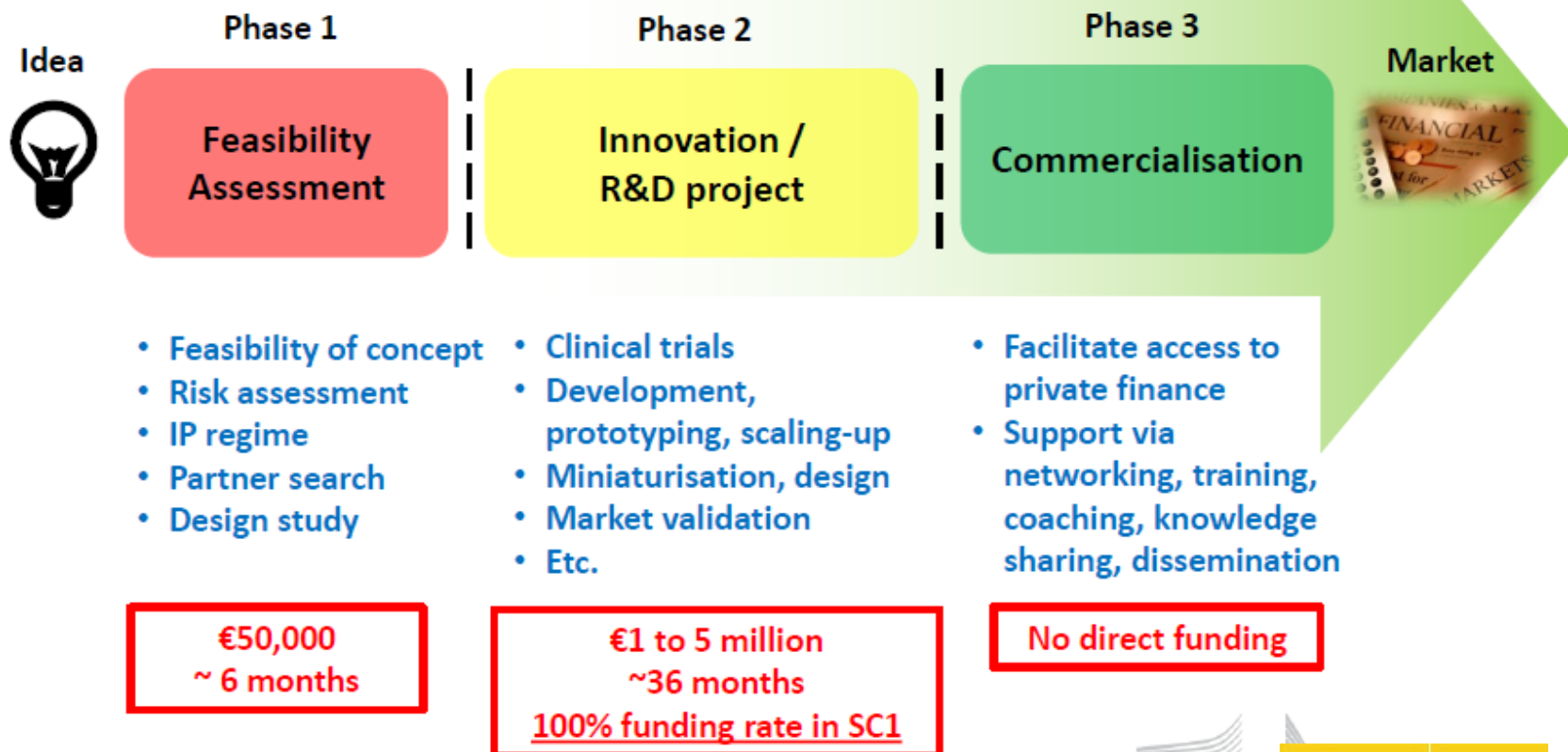
- Engine of the green economy and to facilitate the transition to a resource efficient, climate-smart circular economy
- Exit from the economic crises
- Job creation

Strategic priorities:

- Eco-innovation, Circular economy, Nature-based solutions, Climate services, Sustainable supply for raw materials, Harnessing GEOSS Earth observation data, Cultural heritage for sustainable growth, Water
- The SME instrument consists of 3 phases, including a coaching and mentoring service. Participants can apply to phase 1 or directly to phase 2.

SME instrument: 3 phases

SME instrument in:
 • H2020: ~ €3 billion
 • SC1 Health: ~ €500 million



HORIZON 2020





Agua

General expected impacts:

- Sustainable management of aquatic resources
- Sustainable exploitation
- Improve global cooperation on oceans, seas and inland waters
- Holistic, trans-disciplinary approach; co-operation with stakeholders

BG-06-2017 (CSA): Interaction between people, oceans and seas: a strategic approach towards healthcare and well-being (04/10/16 – 14/02/17)

“Interacción entre personas, océanos y mares: aproximación estratégica para la asistencia sanitaria y el bienestar”

Challenge: Interaction between people, oceans and seas

Coordinate existing multidisciplinary research knowledge and resources

Objectives:

- Creation of multi-stakeholder forum: health benefits of marine & coastal ecosystems
- Strategic research agenda: biological, cultural and socio-economic dimensions of oceans and human health interactions

Expected outputs (min. 1 or more):

- **Multi-stakeholder forum; strategic research agenda** for oceans and human health.
- Enable effective **policy making** → maximise health benefits minimising risks derived from exposure to marine and coastal ecosystems
- Involve **local communities** across maritime regions and stakeholders
- Improve **global cooperation** around **oceans and human health**



[BG-11-2017](#) (RIA): The effect of climate change on Arctic permafrost and its socio-economic impact, with a focus on coastal areas (04/10/16 – 14/02/17)

“Efecto del cambio climático sobre el permafrost del Ártico y su impacto socio-económico, con el foco en las áreas costeras ”

Challenge:

Thawing of Arctic permafrost

Objectives:

- **Impact on Arctic (natural and human) coastal systems & climate change**
- Availability/accessibility of resources, stability of infrastructure, growth of potential new economic activities; pollution and health
- Partners from **USA and Canada**, from other **Arctic and non-Arctic third countries**

Expected outputs (min. 1 or more):

- Improve capacity to **predict impacts of permafrost thawing**
- **Risk management & advantages** of opportunities emerging from Arctic changes
- **Arctic coastal communities and indigenous societies** → Responsible Research and Innovation agendas that meet their concerns and expectations
- [OSPAR](#) actions in Arctic water

RUR-02-2017 (RIA): Coastal-rural interactions: Enhancing synergies between land and sea-based activities (04/10/16 – 14/02/17, 2nd stage 13/09/17)

budget for 1 project only

“Interacciones costero-rurales: mejorando las sinergías de las actividades entre Mar y Tierra”

Challenge: Territorial governance approaches and cross-sectoral economic development approaches: **impacts for rural territories and coastal areas and seas**

Objectives:

- Identify and analyze **interactions between land (coast and hinterland) and sea**
- Inventory of the **positive and negative externalities of different activities**
- “**Benchmarking**” of coastal areas or regions across Europe

Expected outputs (min. 1 or more):

- **Transferable set of tools and indicators:** quantitative and qualitative description of economic, environmental and social land-sea interactions
- **Factors** (barriers and motivators) **influencing behaviour** and solutions to enable joint actions
- Identification of new business opportunities



MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



[LCE-11-2017](#) (IA): Near-to-market solutions for reducing the water consumption of CSP Plants (11/05/17 – 07/09/17)

only 1 project will be funded

“Soluciones cercanas al mercado para reducir el consumo de agua de las plantas CSP”

Challenge: Drastically reduce water consumption in CSP plants

Objectives:

- Demonstration of **cost-effective technical solutions**
- Region with very good solar resource values
- Socioeconomic and livelihood issues of particular relevance to local communities
- Open project's test sites, pilot and demonstration facilities, or research infrastructures for practice oriented education, training or knowledge exchange
- TRL 7 achieved at the end of project

Expected outputs (min. 1 or more):

- Exploitation prospects for the European technology
- Cost effective solutions that improve the environmental profile



MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



[SFS-32-2017](#) (RIA): Promoting and supporting the eco-intensification of aquaculture production systems: inland (including fresh water), coastal zone, and offshore (04/10/16 – 14/02/17, 2nd stage 13/09/17)

budget for 2 projects

“Promoción y apoyo a la intensificación ecológica en los sistemas de producción de la acuicultura”

Challenge: Sustainable eco-intensification of the European aquaculture industry - global fish and seafood security needs for future generations

Objectives:

- Sustainable offshore, coastal and inland development and growth: cost-effective innovative solutions & technologies
- Strengthening integrated sustainable aquaculture activities (species and systems)
- Monitoring & management systems → economic reduction of operational costs for innovative aquaculture production systems
- Participation of SMEs (IP and commercial use)

Expected outputs :

- New & cost-effective commercial applications
- Consolidate eco-efficient aquaculture practices

[SFS-47-2017](#) (RIA): Management of soil water resources in the EU and China and its impact on agro-ecosystem functions

(04/10/16 – 14/02/17, 2nd stage 13/09/17) **budget for 1 project**

“Gestión de los recursos de agua subterráneas en la UE y en China y el impacto sobre las funciones del agro-ecosistema”

Challenge: Water shortage to sustain crop production systems and other agro-ecosystem services - Mediterranean areas of the EU and China

Objectives:

- **Soil-water resources management;** considering regional climate scenarios in Europe and China
- Function assessment: **crop yield variability and soil hydraulic properties**
- Adaptation and mitigation methods → develop and test good practices
- Optimising circular approaches → re-use water and make use of waste water
- **Expected outputs :**
 - Improved soil and water-use efficiency in agricultural production
 - Tools to improve soils' water-holding capacities
 - Sustainable technologies for soil-water management

Residuos



General expected impacts:

- Reduce and re-use
- Sustainable exploitation

SFS-35-2017: Innovative solutions for sustainable food packaging (IA)
“Soluciones innovadoras para el embalaje sostenible de los alimentos”
(04/10/16 – 14/02/17)

budget for 2 projects

Challenge: Reduce the environmental footprint of packaging material

Objectives:

- **Eco-innovative solutions to packaging:** scaling-up and commercialisation (social, economic and environmental conditions)
- Plans, arrangements, new, modified or improved products, processes or services
- May comprise: prototyping, testing, demonstrating, pilot projects, large-scale product validation, market replication, methods validation to overcome barriers to market uptake
- **Expected outputs (some or all):**
 - Packaging solutions resulting from greater industry and consumer acceptance
 - Reduced waste in food and packaging materials; negative impacts on the environment
 - Support to: product quality, consumer trust, transition from a linear to a circular economy.



LCE-19-2016-2017: Demonstration of the most promising advanced biofuel pathways - IA (11/05/17 – 07/09/17)

“Demonstración de los medios de biocombustible más prometedores”

budget for 1 or 2 projects

Challenge: Competitive production of advanced biofuels

sub-challenges 2017: b) demonstrating the feasibility of using feedstock particularly suitable for transport energy purposes

Objectives:

- TRL 5-6 to TRL 6-7
- **Industrial demonstration projects** in line with **Implementation Plan of the EIBI**
- Environment, economic and social issues including health and safety should be considered
- Biofuels from the carbon content in **flue gases** of industrial wastes, aquatic biomass; **liquid biofuels** from wastes and residues

Expected outputs :

- Demonstrating advanced biofuel technologies at **large industrial scale**
- Obtaining **data and experience** required for up-scaling
- Ensure **techno-economic feasibility** of the entire value chain



MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



Conservación Biodiversidad



General expected impacts:

- Add value to ecosystems
- Sustainable management
- Conservation of Biodiversity

SFS-27-2017 (RIA): Permanent grassland – farming systems and policies
(04/10/16 – 14/02/17, 2nd stage 13/09/17) budget for 1 project
“Pastos permanentes - sistemas y políticas de agricultura”

Challenge: Recognise and add value to multiple ecological functions of grasslands

Objectives:

- Integrated approaches for **permanent grassland management**
- Data to monitor, benchmark and analyse performance of farming systems (productivity, carbon sequestration, socio-economics, biodiversity and delivery of ecosystem services)
- Assessment of the effect of various grassland policies
- Transdisciplinary research methods ; 'multi-actor approach', involving the farming sector

Expected outputs (min. 1 or more):

- Benchmarking of grassland outputs based on local and regional site conditions across Europe
- Farm-level tools for the management of permanent grasslands taking into account environmental, economic and social dimensions
- Improved policy instruments for the conservation of biodiversity and delivery of identified ecosystem services

[SFS-30-2017](#) (RIA): Closing loops at farm and regional levels to mitigate GHG emissions and environmental contamination - focus on carbon, nitrogen and phosphorus cycling in agro-ecosystems (04/10/16 – 14/02/17, 2nd stage 13/09/17) **budget for 2 projects**
“Cerrando el bucle a nivel de cultivo y de región para mitigar las emisiones de gases de efecto invernadero y contaminación medioambiental – foco en los ciclos de C, N, P de los ecosistemas de agricultura”

Challenge: Agriculture contributes significantly (directly and indirectly) to GHG emissions

→ Identify factors and mechanisms that govern C, N, P cycles

Objectives:

- Comprehensive analysis of **C, N and P flows and cycling on farms and landscapes**
- Generate efficiencies of **C, N and P and closing loops in agricultural ecosystems**
- Prototypes of sustainable agro-ecology systems; from farm level to landscape/territorial level

Expected outputs (all outputs):

- Effective **solutions for C-, N- and P-efficient agro ecosystems**
- Improved **overall sustainability** and innovation capacity of the farming systems
- **Reduction of environmental impact:** reduced GHG emissions, protected and enhanced soil carbon stocks, improved ground- and surface-water quality
- Integrated scientific **support for relevant EU policies**

LIFE



Smart Cities



2016 Call for proposals for LIFE Grants has not been published yet



Indicative planning for the 2016 LIFE Call

08 February 2016 The 2016 LIFE Call is provisionally planned to be published during the second half of May.

Please find below an indicative timetable for the call:

INDICATIVE PLANNING FOR THE LIFE CALL 2016				
Project type	Subprogramme/ priority objective	Deadline	Indicative Budget (EUR)	Submission route
Traditional projects	Climate (all objectives: CCA, CCM and GIC)	07-Sep-16	239,000,000	eProposal
	Environment (ENV - Environment and Resource Efficiency)	12-Sep-16		
	Environment (NAT - Nature and Biodiversity and GIE - Environmental Governance and Information)	15-Sep-16		
Preparatory Projects	Environment*	20-Sep-16	1,920,000	paper to DG ENV
Technical Assistance Projects	Environment	20-Sep-16	800,000	paper to DG ENV
Technical Assistance Projects	Climate	20-Sep-16	160,000	paper to EASME



[http://ec.europa.eu/en
vironment/life/funding/
life2016/index.htm](http://ec.europa.eu/environment/life/funding/life2016/index.htm)

[http://www.magrama.g
ob.es/es/ministerio/ser
vicios/ayudas-
subvenciones/programa
-life/default.aspx](http://www.magrama.gob.es/es/ministerio/servicios/ayudas-subsvenciones/programa-life/default.aspx)

Interreg: Cooperación Territorial Europea

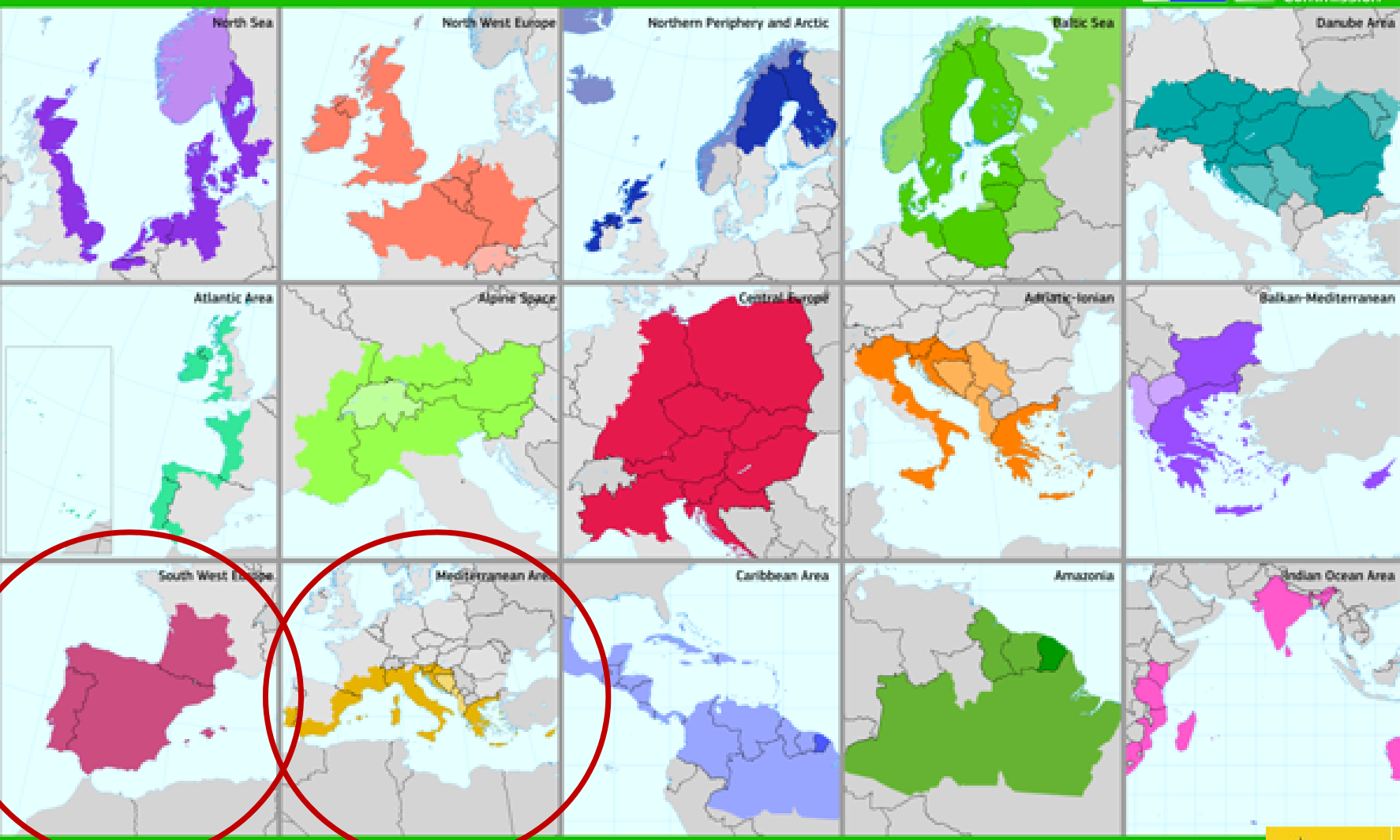


Smart Cities



funded by the [European Regional Development Fund](#)

ERDF Transnational cooperation programmes 2014 - 2020



**South West
Europe
SUDOE**

**Mediterranean
MED**

EUROPE

Non-EU areas are indicative only

© EuroGeographics Association for the administrative boundaries



PRIORITY AXIS 1: SMART MED

- Obj 1.1: To increase transnational activity of innovative clusters and networks of key sectors of the MED area

PRIORITY AXIS 2: LOW CARBON

- Obj 2.1: To raise capacity for better management of energy in **public buildings** at transnational level
- Obj 2.2: To increase the share of **renewable local energy sources** in energy mix strategies and plans in MED territories
- Obj 2.3: To increase capacity to **use existing low carbon transport systems** and multimodal connections among them

PRIORITY AXIS 3: MED RESOURCES

- Obj 3.1: To enhance the development of a sustainable and responsible coastal and maritime tourism in the MED area
- Obj 3.2: To maintain biodiversity and natural ecosystems through strengthening the management and networking of protected areas

PRIORITY AXIS 4: Governance platform (management of natural resources, energy, transport, etc.)

- Obj 4.1: To support the process of developing multilateral coordination frameworks and strengthening the existing ones in the Mediterranean for joint response to common challenges.

http://interreg-med.eu/en/med-community/

Welcome all!

Potential project partners, this space is exclusively dedicated to you. It was designed not only to help you search for partners and exchange project ideas but also to allow the development of a true MED community. Do not forget to invite your IPA neighbours (Albania, Bosnia and Herzegovina and Montenegro)!

Get started! The MED community is awaiting you!

Partner search

Some useful information about the forum

1. **The forum is opened to everybody.** Anyone can post an announcement or reply to a topic, you do not have to register in order to participate in a conversation.
2. **However, in order to benefit from all the advantages the MED forum offers** – such as creating a user profil with a photo, receiving email notifications upon reply to a topic, being informed of new topics related to a thematic, etc. – , it is necessary to register, this is why we advise you to opt for this option.
3. Please, post your announcement in the appropriate forum. Each programme's thematic community has its own specific forum.

Download a small tutorial about the forum [here](#).

[Home](#) > Forums

Forum	Topics	Posts	Freshness
Partner search – Modular projects Please submit your topic in the appropriate thematic forum herein below. Each forum corresponds to a specific thematic community financed by the Interreg MED Programme under its 3 thematic priority axes. Blue growth (8, 15), Green growth (31, 171), Social & Creative (39, 122), Efficient buildings (21, 130), Renewable energy (26, 68), Urban transports (8, 38), Sustainable tourism (50, 327), Biodiversity protection (24, 95)	236	1,272	1 day, 22 hours ago  Auleda
Partner search – Horizontal projects	18	77	2 months, 2 weeks ago
Mutual assistance	 GOBIERNO DE ESPAÑA  MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD	 OTRI UNIVERSIDAD DE MÁLAGA  DAVID VINCENT	4

SEGUNDA CONVOCATORIA: Principio del 2017

Las convocatorias se realizarán
en dos fases.

Segunda convocatoria

Se prevé su apertura a **principios del 2017**.

Esta convocatoria estará abierta a las prioridades 1 y 5 del programa.

Investigación
e innovación



Competitividad
de las pymes



Economía baja
en carbono



Lucha contra el
cambio climático



Medio ambiente
y eficiencia de
recursos



Tercera convocatoria

Comenzará aproximadamente a **finales del 2017 o principios del 2018**.

Esta convocatoria estará dirigida a los proyectos que tratan sobre las prioridades 2, 3 o 4 del programa.

Investigación
e innovación



Competitividad
de las pymes



Economía baja
en carbono



Lucha contra el
cambio climático



Medio ambiente
y eficiencia de
recursos



- Bolsa de proyectos
- Buscar socios

<http://4.interreg-sudoe.eu/ESP/d/103/Sudoe-2014-2020/Bolsa-de-proyectos>



Programa de Cooperación Territorial
Programme de Coopération Territoriale
Programa de Cooperação Territorial
Territorial Cooperation Programme

Interreg IV B

Português | Français

Cooperar
está en sus manos



PROYECTOS DE
creatividad
empresarial

4 proyectos
15 regiones
27 beneficiarios

FEDER: 3.5 millones €

Ver listado de proyectos

SUDOE 2014-2020

Programa de Cooperación Sudoe

Primera convocatoria

Bolsa de proyectos

Seminario de lanzamiento

Seminarios de pre lanzamiento

Los reglamentos

EL PROGRAMA SUDOE

LOS PROYECTOS SUDOE

CONVOCATORIAS

COMUNICACIÓN

CAPITALIZACIÓN

CONTACTOS SUDOE Y LINKS

PERFIL DEL CONTRATANTE

Bolsa de proyectos

¿Desea participar en las próximas convocatorias de proyectos del Sudoe?

La bolsa de proyectos está disponible con el fin de que los beneficiarios potenciales puedan dar a conocer su idea, buscar otros beneficiarios o proponer su participación en un proyecto.

[Consulte las ideas de proyecto existentes](#) en la Bolsa de proyectos o [proponga su idea](#) para que sea difundida en nuestra página web.

Calendario de eventos

Febrero 2016

lun	mar	mié	jue	vie	sáb	dom
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

Últimas actualizaciones

23 JUL 2015 La bolsa de proyectos está disponible

15 MAY 2015 Lista de beneficiarios actualizada

31 OCT 2014 Visualice todos los videos publicados por los proyectos aprobados en el canal YouTube SUDOE.

Suscribirse

Proyectos SUDOE

12 temas que recogen los proyectos aprobados en el programa de cooperación

Buscador de proyectos



¿Cuál es el área elegible del PO SUDOE?

El área elegible está constituida por las siguientes regiones y ciudades autónomas de España, Francia, Portugal y Reino Unido:

- ▶ **España:** Galicia, Principado de Asturias, Cantabria, País Vasco, Comunidad Foral de Navarra, La Rioja, Aragón, Comunidad de Madrid, Castilla y León, Castilla-La Mancha, Extremadura, Cataluña, Comunidad Valenciana, Illes Balears, Andalucía, Región de Murcia, Ciudad Autónoma de Ceuta, Ciudad Autónoma de Melilla
- ▶ **Francia:** Poitou-Charentes, Aquitaine, Midi-Pyrénées, Limousin, Auvergne, Languedoc-Roussillon
- ▶ **Portugal:** Norte, Algarve, Centro, Lisboa, Alentejo
- ▶ **Reino Unido:** Gibraltar

¿Cuáles son los campos de la cooperación en el SUDOE?

Prioridad 1. Promoción de la innovación y la constitución de redes estables de cooperación en materia tecnológica

Prioridad 2. Mejora de la sostenibilidad para la protección y conservación del medio ambiente y el entorno natural del SUDOE.

Prioridad 3. Integración armoniosa del espacio SUDOE y mejora de la accesibilidad a las redes de información.

Prioridad 4. Impulso del desarrollo urbano sostenible aprovechando los efectos positivos de la cooperación transnacional.

Prioridad 5. Refuerzo de la capacidad institucional y aprovechamiento de la asistencia técnica.

Ver más información sobre estos campos en el apartado ¿Qué es el programa Sudoé? de esta misma página web.

Para la segunda convocatoria de proyectos únicamente están abiertas las Prioridad 1 y 2.

<http://4.interreg-sudoe.eu/ESP/f/138/los-proyectos-aprobados/los-proyectos-aprobados>

PROYECTO	PAÍS	PRIORIDAD	TEMA
ENERMASS	España, Francia, Portugal,	 Innovación	 Energía
APERSUE	España, Francia,	 Medio ambiente	 Energía
BIOMASUD	España, Francia, Portugal,	 Medio ambiente	 Energía
E4R	España, Francia, Portugal,	 Medio ambiente	 Energía
EcoHabitat	España, Francia,	 Medio ambiente	 Energía
EnerBioAlgae	España, Francia, Portugal,	 Medio ambiente	 Energía
OPTIMAGRID	España, Francia, Portugal,	 Medio ambiente	 Energía

Apply for funding

Second call (5 April - 13 May 2016)

Enfoque temático (relacionado con el desarrollo regional):

1. La investigación, el desarrollo tecnológico y la innovación
2. Competitividad de las PYMES
3. Economía baja en carbono
4. Medio ambiente y eficiencia de los recursos

El programa financia dos tipos de acciones:

- a) Proyectos de cooperación interregional
- b) Política de plataformas de aprendizaje



Apply online

Interreg Europe's online application system is available to allow you to prepare your application. You can only submit when a call is open!

Apply



Research and innovation



SME competitiveness



Low-carbon economy



Environment and resource efficiency



My Interreg Europe



Register



Search



About us

Projects

Policy learning platform

News and events

In my country

Help

Contact us

Home > Projects > Project ideas and partner search

Explore the project ideas and profiles registered with us. Use the filters to modify/refine your search.

Filter your results

Sort results by

Recommended



Keyword search

tourism

Search for



People

Looking for people interested in



Leading a project



Joining a project



Sharing a project idea



Networking with peers



Project ideas



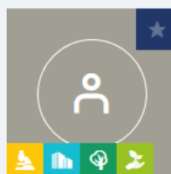
News



Events



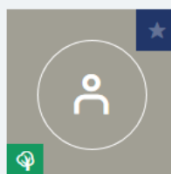
More options



Antonio Serrano

Badajoz Chamber of Commerce, Industry and Services

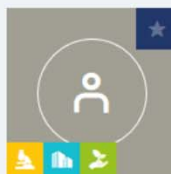
Interested in: Joining a project, Sharing a project idea, Networking with peers



Christine Zehetgruber

komobile w7 GmbH

Interested in: Joining a project, Sharing a project idea, Networking with peers



Lola Luque

Legado andalusí

Interested in: Leading a project, Joining a project, Sharing a project idea, Networking with peers



Claudio Repossi

Navigli Lombardi



MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



COST Actions



5. European Cooperation in Science and Technology - COST



- **Objetivo:** creación de redes de investigación para intercambiar conocimiento, con temática abierta
- **Duración de la Actividad:** 4 años
- **Actividad financiable:** seminarios, talleres de formación, encuentros, estancias, actividades de difusión, bases de datos
- **Cuantía por actividad:** 100.000 euros /año
- **Beneficiario:** grupos investigación min. 5 países UE o asociados
- **Próxima convocatoria:** abierto todo el año (*collection days* en abril y septiembre)

www.cost.eu

¿Cómo ser un experto y/o evaluador?



Smart Cities



Herramientas para participar en proyectos europeos

C) APUNTARSE COMO EXPERTO-EVALUADOR DE LA COMISION EUROPEA PARA PODER EVALUAR PROPUESTAS EUROPEAS

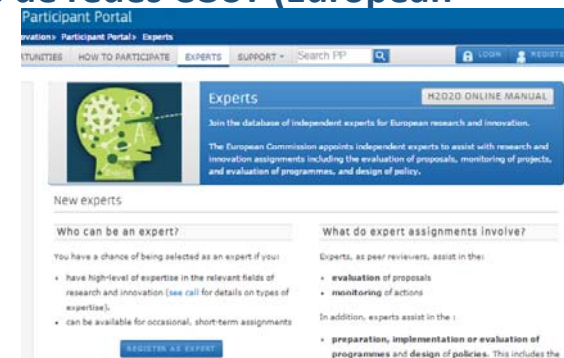
Ser evaluador-experto para organismos europeos es beneficioso para saber como se escriben las propuesta, para conocer que se esta haciendo en Europa en nuestro campo y para conocer a otros evaluadores de otros países que en un futuro podrán colaborar con nosotros.

1. Inscribirse como Evaluador de la Comisión Europea:

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

2. Inscribirse en otra base de datos para ser evaluadores de redes COST (European Cooperation in Science and Technology (COST):

<http://www.cost.eu/participate/experts>



Aspectos que determinan el IMPACTO

- Capacidad Innovadora de las soluciones y sus **aplicaciones** (multisectoriales y paralelas)
- Calidad de la **colaboración ciencia-industria**
- Capacidad para **sostener el proyecto en el tiempo**
- Capacidad para **explotar** los resultados
- Generación de **empleo cualificado** a través del despliegue de la tecnología
- Consecución de **objetivos de la UE**:
 - Políticas / Directivas
 - Mediambientales / eficiencia de recursos / consumo energético / emisiones / movilidad / infraestructuras / seguridad

Business Plan

Jobs / Growth

IPR / Exploitation

Standards

Skills

Pensar a futuro + ser ambicioso + cuantificar

Grandes Iniciativas Europeas



Smart Cities



Water

One of the main focus areas of the "Climate action, environment, resource efficiency and raw materials Challenge" in Horizon 2020 is water. It aims at boosting EU competitiveness, growth and jobs in the water sector, thus positioning Europe as a global market leader in water-related innovative solutions.

- [EIP Water](#)
- [EIP Agriculture](#)
- [Water JPI](#)
- [SPIRE PPP](#)
- [IPCC](#)



Waste

The main concern is to support the transition towards a more circular economy, where the waste generated in one industry becomes a secondary raw material for another industry. This transition will generate growth and jobs, while contributing to environmental protection and reducing Europe's dependency on raw material imports.

- [VOICES](#)
- [SPIRE PPP](#) (sustainable process industries)
- PPP on bio-based industries
- [Resource Efficiency Road Map](#)



CO2 y Cambio Climatico



- [JPI Climate](#)
- [Climate-KIC](#)
- [FACCEJPI \(Agriculture, food security and climate change\)](#)
- [Global research alliance on agricultural greenhouse gases](#)





- What is JPI Urban Europe?
- JPI Urban Europe is a joint programming initiative. Through JPI Urban Europe, member countries can generate European solutions by means of coordinated research. The aim is to create attractive, sustainable and economically viable urban areas, in which European citizens, communities and their surroundings can thrive. JPI Urban Europe aims to coordinate research and make better use of Europe's public funds in order to:
 - Transform urban areas to centres of innovation and technology
 - Realise eco-friendly and intelligent intra- and interurban transport and logistic systems
 - Ensure social cohesion and integration
 - Reduce the ecological footprint and enhance climate neutrality

This initiative currently has 12 European members and 8* observers. *España



<https://eu-smartcities.eu/content/get-involved-our-initiatives> Click here to GET INVOLVED!

Sustainable Districts and Built Environment Action Cluster:

- [Small Giants](#)
- [Positive Energy Blocks](#)

Sustainable Urban Mobility Action Cluster:

- [Electromobility](#)
- [New Mobility Services](#)

Integrated Infrastructures and Processes Action Cluster:

- [Humble Lamppost](#)
- [Urban Platforms](#)
- [Cross-city transformation](#)

Citizen Focus Action Cluster:

- [Start from Existing Habits and Identify the Needs: Co-Design & Co-Creation as Tools](#)
- [Citizen-Centric Approach to Data](#)
- [Citizen & Stakeholders Communication Platforms](#)

Business Models Action Cluster:

- [Innovative Business Models Use Cases](#)

Integrated Planning, Policy and Regulation Action Cluster:

- [Scaling up & Replication of Smart City Plans](#) (page to be created soon)
- [From Planning to Implementation](#)
- [Tools for Decision Making and Benchmarking](#)
- [Governance for Cultural Heritage](#) (page to be created soon)
- [Six Nations Forum](#) (page being updated!)

If you are interested in taking part in the activities of the Market Place, this overview will guide you through the different available possibilities for engagement. You can also use our [registration form](#) to share your interests with us.



European Innovation Partnership on Smart Cities and Communities

Otras entidades de interés y búsqueda de socios



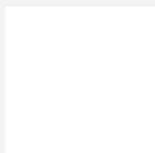
Smart Cities



ENERGY & CLIMATE CHANGE WORKING GROUP



Karen Martin Perez
WG leader



Thomas Jensen
WG leader



Ariane Decramer
WG leader



Ryan Tittley
ERRIN contact



Presentations from WG Meetings

28/01/2016

25th January 2016: Working Group Meeting

Monday the 25th of January 2016 the ERRI...

[Read more »](#)

17/11/2015

Presentations from Worst Practice Workshop in H2020 project writing

Main Outcomes: Unde...

[Read more »](#)

Upcoming WG Events

26/04/2016

International workshop: RAPID PROTOTYPING FOR SMARTGRIDS

Rapid prototyp...

+ iCal

[Read more »](#)

12/04/2016

Science Café

We are...

+ iCal

News

12/11/2015

The International Guidelines on Urban and Territorial Planning

With the world's urban population having...

[Read more »](#)

13/11/2015

Mayors and Water

European Mayors are invited by Karmenu V...

[Read more »](#)

Más información

The EU has set itself targets for reducing its greenhouse gas emissions progressively up to 2050.

Key climate and energy targets are set in the:

- [2020 climate and energy package](#)
- [2030 climate and energy framework](#)

These targets are defined to put the EU on the way to achieve the transformation towards a low- carbon economy as detailed in the [2050 low-carbon roadmap](#).

The EU tracks its [progress on cutting emissions](#) through regular monitoring and reporting.

Before proposing new policies, the Commission carefully [assesses their potential impacts](#).

It is also in line with the longer term perspective set out in the [Roadmap for moving to a competitive low carbon economy in 2050](#), the [Energy Roadmap 2050](#) and the [Transport White Paper](#).

Más información

- [Integrated energy market](#)
- [Climate strategies & targets \(DG Climate Action\)](#)
- [Towards the Paris Protocol \(DG Climate Action\)](#)
- [The 2015 international agreement \(DG Climate Action\)](#)
- [Paris climate conference: historic opportunity to avoid dangerous climate change \(DG Climate Action\)](#)
- [Eurobarometer: Citizens support climate action \(DG Climate Action\)](#)
- [Climate finance: the EU delivering on its commitments \(DG Economic and Financial Affairs\)](#)
- [Biodiversity and Climate Change \(DG Environment\)](#)
- [Adapting the management of Water and Environmental Resources in response to Global Change \(DG Environment\)](#)
- [The consequences of climate change \(DG Environment\)](#)
- [Climate change and the EU: Facts and figures \(Eurostat\)](#)
- [Disaster Risk Reduction \(DG Humanitarian Aid and Civil Protection\)](#)
- [Resilience - Why is this important? \(DG Humanitarian Aid and Civil Protection\)](#)
- [Climate change, disaster risk reduction and desertification \(DG International Cooperation and Development\)](#)
- [Adaptation to climate change and risk prevention \(DG Regional and urban Policy\)](#)
- [Climate Action - research and innovation \(DG Research and Innovation\)](#)

Más información

Página web Horizonte
2020:

eshorizonte2020.es

*Posibilidad de inscripción
a las listas de
distribución para recibir
información de interés*

<http://www.eshorizonte2020.es/user/register/2>



@EsHorizonte2020

¡ Muchas gracias por su atención !

Yamina Seamari

yamina@uma.es

Melinda Ratkai

melinda@uma.es

- Oficina de Proyectos Europeos – OTRI
Universidad de Málaga
Edf. Institutos Universitarios (PTA)
C/ Severo Ochoa, 4. 29590 Campanillas (Málaga)
Tlf.: 952 13 41 90
e-mail: melinda@uma.es;



*This presentation is for general information only.
The texts of the Framework programmes, work
programmes and EU documents on
Cordis/Participants Portal constitute the legal basis
to apply.*