#innovacion
#financiacion
#asesoramiento
#internacionalizacion

Portal español del Programa Marco de Investigación e Innovación de la Unión Europea

@EsHorizonte2020





CDTI Centro para el Desarrollo Tecnológico Industrial | E.P.E.

HORIZONTE 2020, 75 000 M€ PARA I+D+I

HORIZONTE 2020	74.828
I. Prioridad «Ciencia excelente»	24.232
1. El Consejo Europeo de Investigación (CEI)	13.095
2. Las Tecnologías Futuras y Emergentes (FET)	2.585
3. Las acciones Marie Skłodowska-Curie	6.162
4. Las infraestructuras de investigación	2.390
II. Prioridad «Liderazgo industrial»	16.466
1. Liderazgo en tecnologías industriales y de capacitación:	13.035
1.1 Tecnologías de la información y la comunicación (TIC)	7.423
1.2 Nanotecnologías, 1.3 Materiales avanzados y 1.5 Fabricación y transformación avanzadas	3.741
1.4 Biotecnología	501
1.6 Espacio	1.403
2. Acceso a la financiación de riesgo	2.842
3. Innovación en las PYME	589
III. Prioridad «Retos de la sociedad»	28.630
1. Salud, cambio demográfico y bienestar	7.257
2. Seguridad alimentaria, agricultura y silvicultura sostenibles, investigación marina, marítima y de aguas interiores y Bioeconomía	3.708
3. Energía segura, limpia y eficiente	5.688
4. Transporte inteligente, ecológico e integrado	6.149
5. Acción por el clima, medio ambiente, eficiencia de los recursos y materias primas	2.956
6. Europa en un mundo cambiante – Sociedades inclusivas, innovadoras y reflexivas	1.258
7. Sociedades seguras – Proteger la libertad y la seguridad de Europa y de sus ciudadanos	1.613
IV. Difundir la excelencia y ampliar la participación	816
V. Ciencia con y para la sociedad	445
VI. Acciones directas no nucleares del Centro Común de Investigación (JRC)	1.856
VII. Instituto Europeo de Innovación y Tecnología (EIT)	2.383

GRANDES OBJETIVOS A NIVEL GLOBAL









OTRAS POLÍTICAS- NIVEL GLOBAL









United NationsFramework Convention on Climate Change







OTRAS POLÍTICAS- NIVEL EUROPEO



EIP Water

Boosting opportunities - Innovating water

















ESTRUCTURA WP 2018-2020

Call-Building a low-carbon, climate resilient future: climate action in support of Paris Agreement

- Decarbonization
- Climate adaptation, impacts and services
- Inter-relation between climate change, biodiversity and ecosystem services
- The Cryosphere
- Knowledge gaps
- Earth observation

Contribution to "Competitive, Low Carbon and Circular Industries"

Call-Greening the economy in line with the Sustainable Development Goals (SDGs)

- Connecting economic and environmental gains – the circular economy
- Raw materials
- Water for our environment, economy and society
- Innovating cities for sustainability and resilience
- Earth observation
- Nature-based solutions, disaster risk reduction and natural capital accounting
- Heritage alive

BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: CLIMATE ACTION IN SUPPORT OF THE PARIS AGREEMENT



DECARBONISATION

LC-CLA-10-2020: Scientific support to designing mitigation pathways and policies



- A. Assessing and designing climate policies for the coming decade
- B. Decarbonisation and lifestyle changes
- C. Science underpinning the preparations of NDCs after the 2023 Global Stocktake at a global scale

Energy saving

DECARBONISATION

LC-CLA-11-2020: Innovative NBS solutions for carbon neutral cities and improved air quality



- Assess the direct and indirect contribution of NBS (diverse structures and configurations) to combat air pollution, reducing allergy potential of urban environment and mitigating GHG emissions
- Develop tools, models, design guidelines, standards and protocols to integrate solutions

LC-CLA-12-2020: Advancing climate services

- A. Mapping European coastal infrastructure at risk from sea-level rise
- B. Detection and attribution of extreme events using Artificial Intelligence
- C. Impacts of overshooting

LC-CLA-13-2020: Climate resilience of European coastal cities and settlements

 Capitalise on past and current initiatives and knowledge to improve integrated spatial planning, management and adaptation of EU's coastal cities.

Provide scientific insight, tools, methodologies...to develop coastal resilience plans

LC-CLA-23-2020: Towards a comprehensive European mountain research strategy



LC-CLA-14-2020: Understanding climate-water-energy-food nexus and streamlining water-related policies

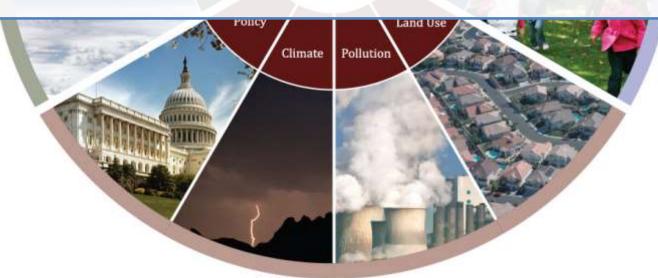
Develop and test innovative solutions, improved operations and integrated management and planning for achieving water, energy and food security



Drivers of change

LC-CLA-15-2020: Forest Fires risk reduction: towards an integrated fire management approach in the EU

- Generate the knowledge, tools, capacity and guidance to underpin an Integrated Fire Management strategy
- Assess changes in fire regimens under various climate, vegetation and land use change scenarios
- Understand extreme wildfire events, their structural causes, various impacts

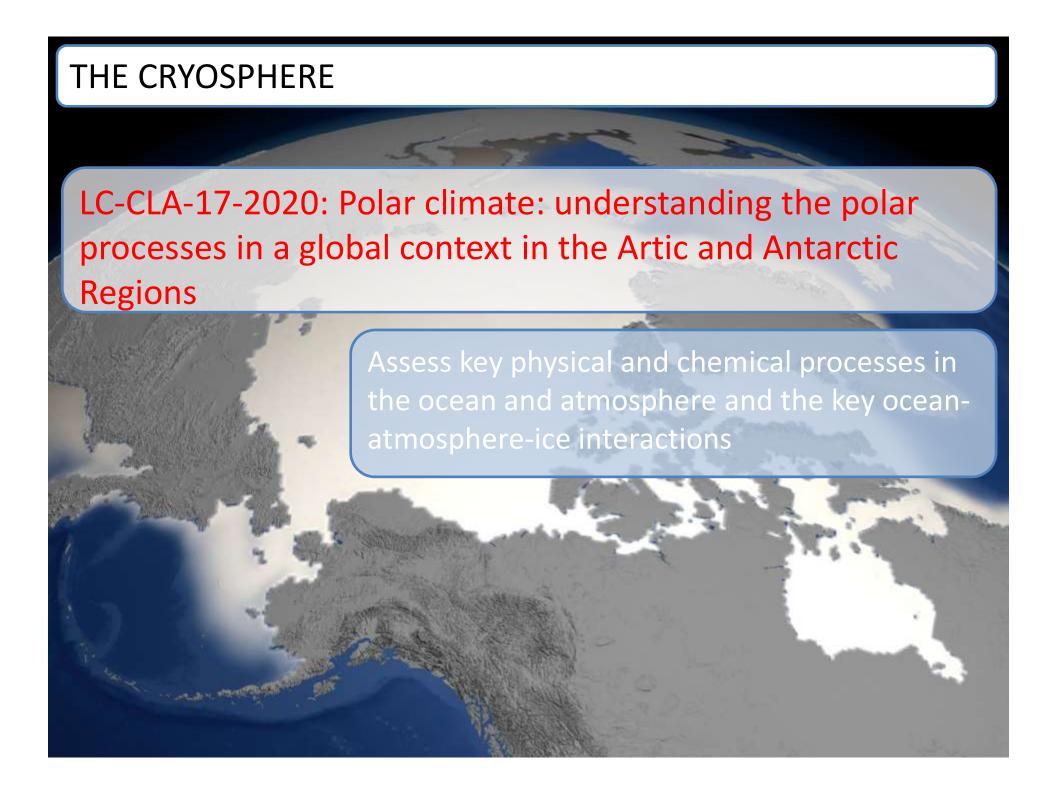


Drivers of change

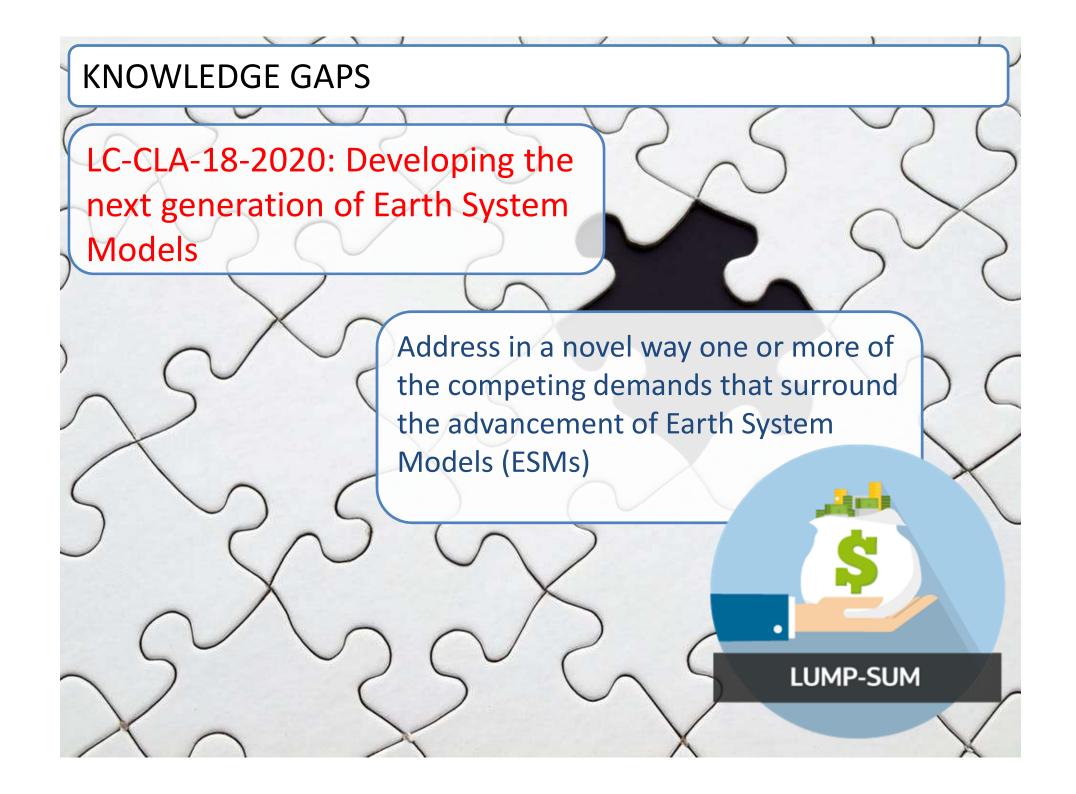
LC-CLA-16-2020: Multi-hazard risk management for risk-informed decision-making in the EU

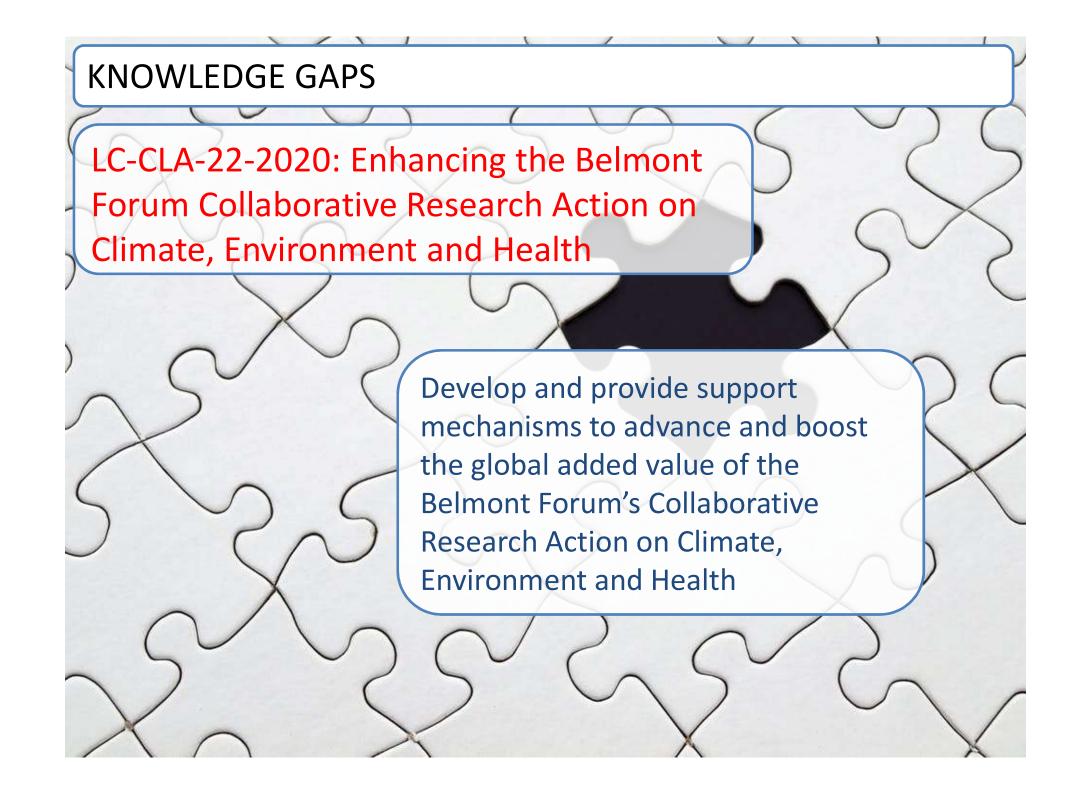
- Define a common framework for risk and vulnerability assessments for areas exposed to multiple natural hazards
- Develop quantitative scenarios on present and future risks, on potential direct and indirect effects
- Develop mapping tools and user-friendly ICT open interfaces

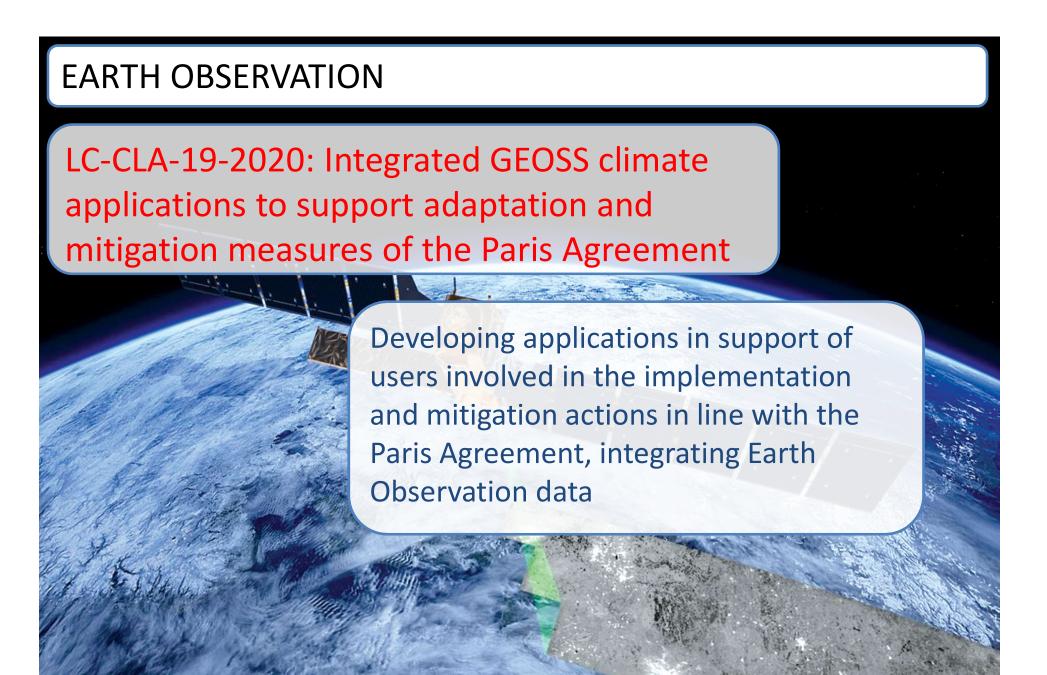
Drivers of change

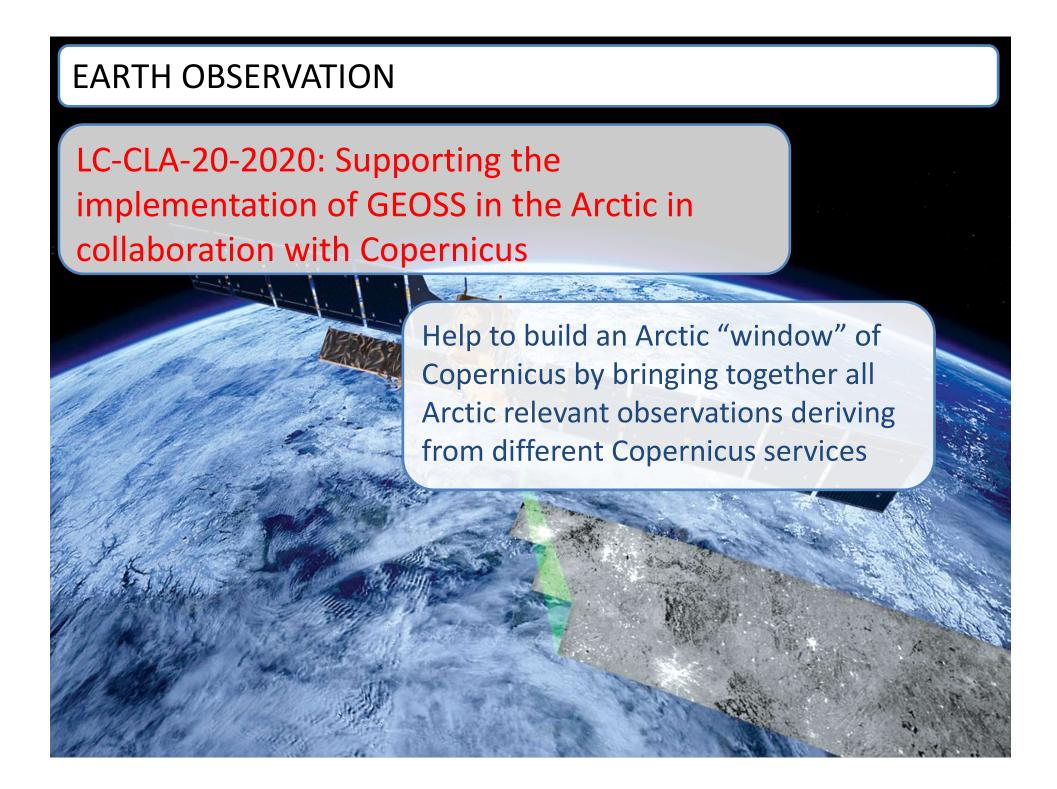














CE-SC5-24-2020: Improving the sorting, separation and recycling of composite and multilayer materials



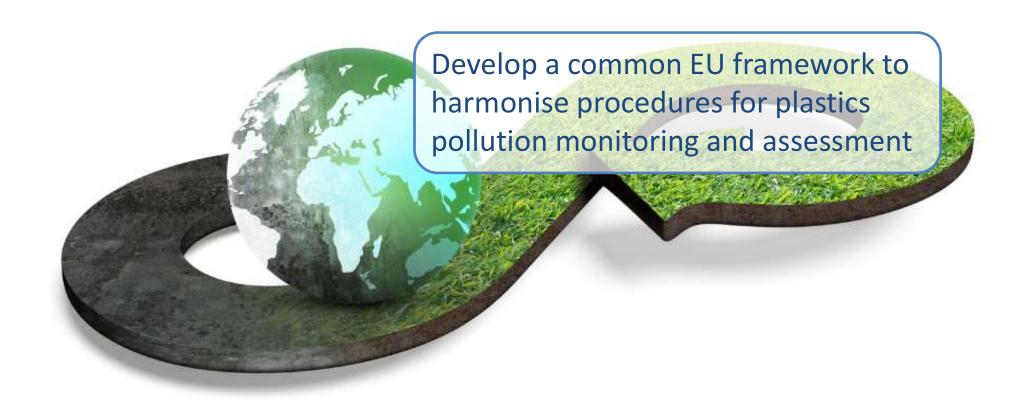
CE-SC5-25-2020: Understading the transition to a CE and its implications on the environment...



CE-SC5-28-2020: Develop and pilot circular systems in plastics, textiles and furniture sectors



CE-SC5-29-2020: A common European framework to harmonise procedures for plastics...



CE-SC5-30-2020: Plastics in the environment: understanding the sources, transport...



Better understanding on the sources, transport, distribution and impact of plastic pollution. Main entry routes of plastics into the different environmental compartments



SC5-10-2019-2020: Raw materials innovation actions: exploration and Earth observation in support of sustainable mining

c. Mining pilots (2020)

Develop and demonstrate innovative mining systems to avoid exposure of workers in dangerous operations, to increase efficiency, selectivity and profitability of the mining operations

d. Pilots on substitution of critical and scarce raw materials (2020) Develop and demonstrate innovative and sustainable solutions for the appropriate substitution of CRMs use in high tech sectors

SC5-26-2020: Sustainable management in extractive industries

Develop a toolkit applicable across the EU Member States for assessing socio-economic and environmental impacts, land-use planning, health and safety issues



Innovating cities for sustainability and resilience

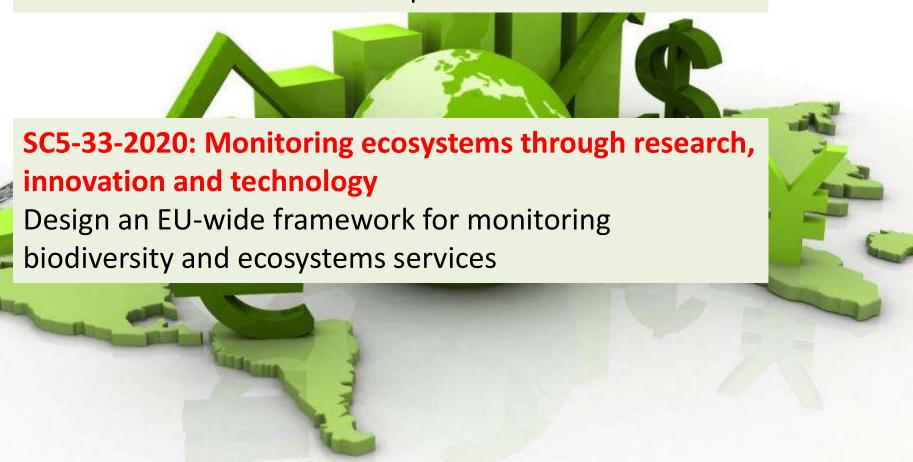
SC5-27-2020: Strengthening international cooperation: enhanced natural treatment solutions for water security and ecological quality in cities

- Identify and review examples of innovative natural water treatment systems in EU and beyond...understanding their functioning...and capacity in treating pollution under diverse and uncertain conditions
- Develop methodologies and guidance for design, implementation...





Develop tools, guidelines and methodologies to better understand, analyse, assess and possibly predict the trends and causes of the wild pollinators decline





CE-SC5-07-2020: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes

- a. Sustainable processing and refining of primary and/or secondary raw materials
 - Sistemas nuevos o mejorados sobre tecnologías de proceso y refino para recuperación de minerales y metales
- Recycling of raw materials from end-of-life products
 Reciclado y recuperación de materias primas secundarias de producto final
- c. Recycling of raw materials from buildings
 Recuperación de materias primas de edificios
- d. Advanced sorting systems for high-performance recycling of complex end-of-life
 - Sistemas innovadores de desmantelado y clasificación que permitan reciclado y recuperación eficiente

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

Contribute to improving EU official statistics and to building the RMIS

CE-SC5-31-2020: Develop, implement and assess a circular economy oriented product information management systems for complex products from cradle to cradle

There is a need for designing and piloting an information system for raw materials and components in products and their environmental performance

FECHAS DE CORTE

CALL LOW CARBON	DEADLINES
CSAs	13/02/20
Resto (RIAS/IAs) 1st stage	13/02/20
2nd stage	03/09/20

CALL GREENING THE ECONOMY		DEADLINES
CSAs		13/02/20
	Resto (RIAS/IAs) 1st stage	13/02/20
	2nd stage	03/09/20





FECHAS DE CORTE

CALL CIRCULAR INDUSTRIES		DEADLINES
CSAs		05/02/20
	Resto (IAs) 1st stage	05/02/20
	2nd stage	03/09/20







GRANDES OBJETIVOS A NIVEL GLOBAL









OTRAS POLÍTICAS- NIVEL GLOBAL









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OTRAS POLÍTICAS- NIVEL EUROPEO



EIP Water

Boosting opportunities - Innovating water











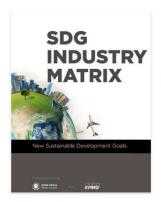






ALGUNOS RECURSOS SOBRE SDGS





Resource Author

KPMG

United Nations Global Compact

Report (2015)

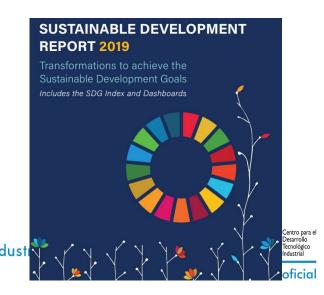
SDG Industry Matrix

Showcases industry-specific examples and ideas for corporate action related to the SDGs. Presented in a series of publications, each matrix highlights bold pursuits and decisions made by diverse companies for each SDG.

Access Resource

- ☐ Financial Services (English)
- ☐ Food, Beverage & Consumer Goods (English)
- ☐ Climate Extract (English)
- ☐ Healthcare & Life Sciences (English)
- ☐ Industrial Manufacturing (English)
- ☐ Transportation (English)
- ☐ Energy, Natural Resources, Chemicals (English)





ALGUNOS RECURSOS SOBRE SDGS



TOOL CATEGORY

Integration tools for analysing interconnections, synergies, trade-offs and bottlenecks among SDGs

- Dynamic Simulation Tools
- Indicators and Assessment Tools
- Static Inter-linkage Analysis Tools

Last-mile tools to support meeting the SDGs and targets and unlocking bottlenecks for all segments of society and reaching the furthest behind first

- Community-based Planning, Partnership, and Multistakeholder Engagement Tools
- Data Revolution Tools
- Fragility Assessment Tools
- ☐ Human Rights Mainstreaming Tools
- Tools for Financing the SDGs
- Vulnerability Assessment Tools

Risk-informed planning toolsfor resilience building, adaptation and identifying synergies and unlocking bottlenecks

- Disaster Risk Reduction Tools
- Economic Forecasting Tools
- Environmental Degradation Risk Reduction Tools
- Epidemic and Pandemic Analysis Tools
- Peace and Conflict Analysis Tools
- Risk, Foresight and Scenario Tools
- Tools for Financing Resilience

ALGUNOS RECURSOS SOBRE SDGS

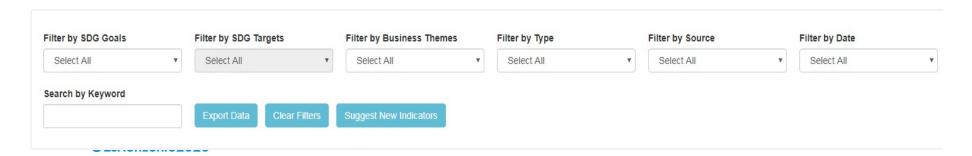


Inventory of Business Indicators

This inventory maps existing business indicators against the Sustainable Development Goals (SDGs). It allows you to explore commonly used indicators and other relevant indicators that may be useful when measuring and reporting your organization's contribution to the SDGs.

You can use the filters below to explore indicators related to a specific SDG Goal or Target or by Business theme. To continue working with the inventory in MS Excel, you can either download the full inventory or only indicators that match your search or filters.

Read More



What is the European Green Deal?

December 2019 #EUGreenDeal

The European Green Deal is about **improving the well-being of people**. Making Europe climate-neutral and protecting our natural habitat will be good for people, planet and economy. No one will be left behind.

The EU will:



Become climate-neutral by 2050



Protect human life, animals and plants, by cutting pollution

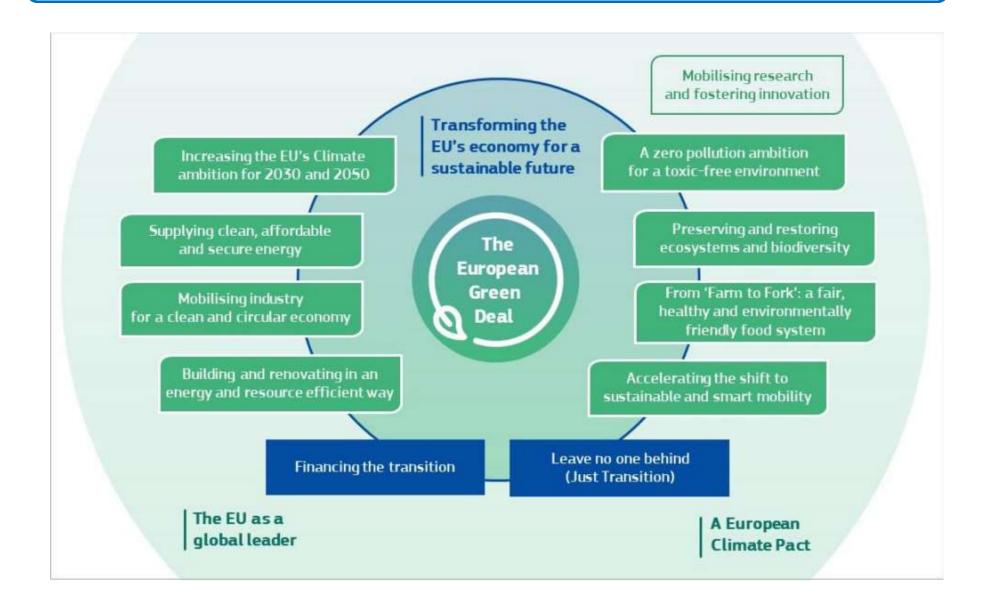


Help companies become world leaders in clean products and technologies



Help ensure a just and inclusive transition

THE EU GREEN DEAL



¿DÓNDE?

Specific	Topic		Project	t	KPI		Target	
objectives				ordable and		•		
Technical		30.	susbstantially share of renewable energy in the global energy mix					
Social				Increas energy in		use of rer		4
Market				energy in			renewable	
Business							nergy	
Political							YYY%	
Other								





¿DÓNDE?

SECTOR	TARGET GROUP	IMPACT	KPI
Residential	/		MW
	Building developers	zzzzz MW/yea renewable so residential	ources in EU





FULL, FREE AND OPEN **ACCESS TO DATA**





ATMOSPHERE MONITORING



MARINE ENVIRONMENT MONITORING



LAND MONITORING



CLIMATE CHANGE



M EMERGENCY MANAGEMENT

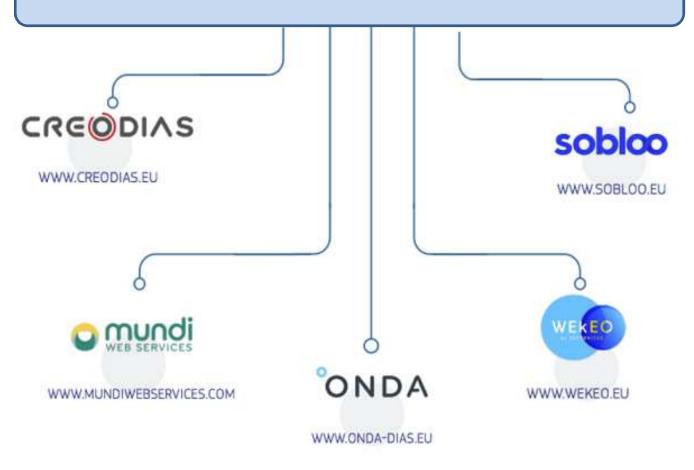


SECURITY



ACCESO A LOS DATOS

THE DIAS-Data and Information Access Services







EIP ON RAW MATERIALS

THE EIP'S STRATEGIC IMPLEMENTATION PLAN To reduce dependency on imports To put Europe at the forefront **Objectives** To promote the production and exports in raw materials sectors Systemic change To make Europe To mitigate To improve To improve supply To find alternative To diversify raw a leader in the environmental. resource efficiency conditions from EU materials sourcing raw materials raw materials social and health including recycling capabilities impacts Pro-active international co-operation strategy of the EU at bilateral and multilateral level Common Targets Framework Framework for EU Raw Up to 10 innovative Substitutes goals conditions for enhanced Materials KIC Raw Materials pilot for 3 applications primary raw efficiency in Knowledge actions of CRMs materials material use base Actions Stakeholder 95 concrete actions, organised in 7 Priority Areas participation



EU SCIENCE HUB

Raw Materials Information System (RMIS)

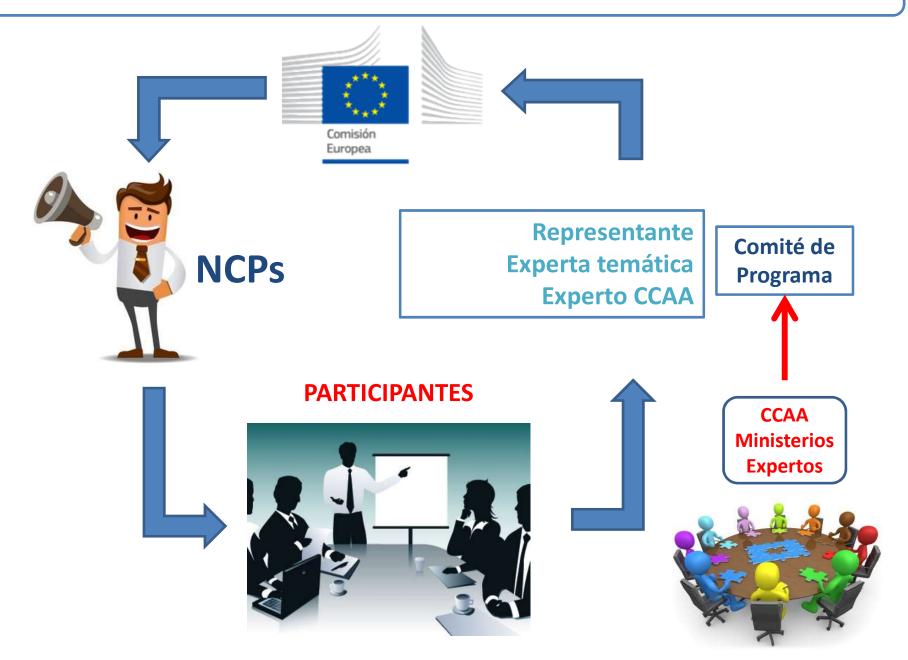


CROSS-CUTTING CALL- BUSINESS MODEL

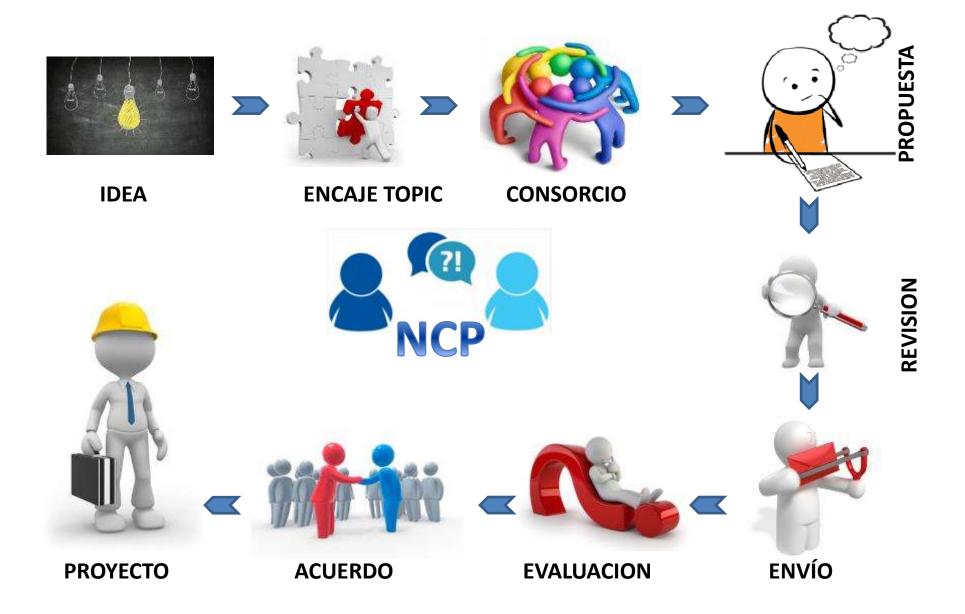
¿Dónde lo pongo?		
• Executive Summary		Abstract
• Oportunity		1. Excellence
Promoting Team		3. Consortium
Business Model		(2.1) + 2.2 Impact
Sector Analisys		(2.1)+2.2 Impact
• Implementation:		
- Comercial and Marketing Strate	gy	2.2 Impact
- Operational Plan		Work Plan/Tasks
- Capacities and Human Resource	es	3. Consortium
Legal Structure		2.1+2.2+3.2
• Economic and Finantial Analisys		2.1+2.2
Risks Analysis		2.1+3.2



¿QUÉ HACEMOS EN CDTI?



SOPORTE A LOS PARTICIPANTES



Red Exterior CDTI: presencia en 28 países





PARA ACABAR

 SE BUSCAN EXPERTOS PARA EVALUAR PROYECTOS

https://ec.europa.eu/research/participants/por
tal/desktop/en/experts/index.html

 LISTAS DE DISTRIBUCIÓN CDTI y H2020 http://eshorizonte2020.es/suscripcion





Reto Social 5: Acción por el clima, medioambiente, eficiencia en los recursos y materias primas



Contactos en España

Representante en el Comité de Programa

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Puntos Nacionales de Contacto (NCP)

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SC5 Work Program https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-climate en.pdf

Cross-Cutting activities: https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-cc-activities en.pdf





ENLACES DE UTILIDAD

- Business Reporting on the SDGs
- Sustainable Development Report 2019
- SDG index and dashboards report for European cities
- Aplicación de la Agenda 2030 en las organizaciones. El caso del MAPAMA
- Localizando los ODS
- SDG Industry Matrix
- Sustainable Development Goals Acceleration Toolkit
- <u>Supporting the Sustainable Development Goals across the world: The 2019</u>
 <u>Joint Synthesis Report of the European Union and its Member States</u>
- Inventory of Business Indicators
- <u>Directiva UE 2019/904 Reducción impacto de determinados productos</u> <u>plásticos en el medio ambiente</u>
- Atlas of EU Water Oriented Living Labs





ENLACES DE UTILIDAD

- Societal Readiness Levels
- European Resource Efficiency Knowledge Centre
- Circular Plastics Alliance pledges
- <u>Copernicus-DIAS</u>
- Climate Data Store-Copernicus
- Conventional Data Access Hubs-Copernicus
- Copernicus Services
- Presentación Comisión Horizon Europe







+ info sobre programas y ayudas para la internacionalización de la I+D+l española

www.eshorizonte2020.es - www.cdti.es









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