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# Horizon Europe

## Horizonte Europa y Pacto Verde

**XV ASAMBLEA DE LA PTFE**  
**Madrid, 26 de noviembre de 2020**

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# European Green Deal.

*Horizonte 2020*

# Horizonte Europa.

*Del paquete legislativo al call for proposals*

# European GD: 8 áreas



## Commission Priorities 2019-2024

### A European Green Deal

A Europe fit for the digital age

An economy that works for people

A stronger Europe in the world

Promoting our European way of life

A new push for European democracy

- The European Green Deal provides an action plan to:
    - boost the efficient use of resources by moving to a clean, circular economy
    - restore biodiversity and cut pollution
  - The plan outlines investments needed and financing tools available. It explains how to ensure a just and inclusive transition.
  - The EU aims to be climate neutral in 2050. We proposed a European Climate Law to turn this political commitment into a legal obligation.
  - Reaching this target will require action by all sectors of our economy
  - Just Transition Mechanism: The EU will provide financial support and technical assistance to help those that are most affected by the move towards the green economy.
- 



# Algunas políticas de interés

**17 de septiembre de 2020**

Presentación del [Plan del Objetivo Climático para 2030](#)

**8 de julio de 2020**

Adopción de las [estrategias de la UE para la integración del sistema energético y para el hidrógeno](#) a fin de preparar el camino hacia un sector energético totalmente descarbonizado, más eficiente e interconectado

**11 de marzo de 2020**

Propuesta de un [Plan de Acción para la Economía Circular](#) centrado en el uso sostenible de los recursos

**10 de marzo de 2020**

Adopción de la [Estrategia Industrial Europea](#), un plan para una economía preparada para el futuro

**4 de marzo de 2020**

Propuesta de una [Ley del Clima Europea](#) para garantizar la neutralidad climática de la Unión Europea de aquí a 2050

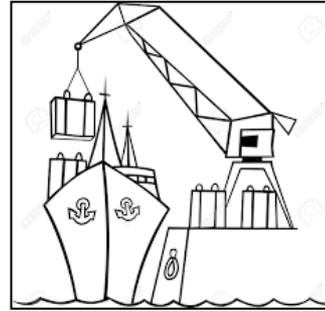
# European Green Deal. Horizonte 2020

**Horizonte 2020 Green Deal call**

1 billion EUR.

11 áreas temáticas

Deadline: Enero 2021



**LC-GD-5-1-2020: Green airports and ports as multimodal hubs for sustainable and smart mobility**

**100 Million EUR in total topic budget**

**Innovation action**

**Between 15 and 25 Million EUR /proj (rec.)**

**Duration of 48 to 60 months (recomm.)**

**Deadline: 26 Jan 2021**

**1 Lighthouse + 3 Fellows (20% max)**

**TRL 6 (or above)**

**15 / 25 Million EUR (100 Million EUR)**

**48 / 60 meses**

# European Green Deal. Horizonte 2020

## LC-GD-5-1-2020: Green airports and ports as multimodal hubs for sustainable and smart mobility

### Area A: Green Airports

#### 1. Transport

promoting intermodal mobility (e.g. in the context of mobility/logistics as a service or transport-on-demand), **including efficient rail interconnection solutions and innovative train-airport station concepts;**

#### 2. Terminal

#### 3. Energy

#### 4. Cross-cutting

### Area B: Green Ports

#### 5/8

demonstrating seamless and highly efficient logistics operations, for integrated sea/river-port-hinterland connections **(e.g. between sea/river, rail and road)**, to enable modal shifts and system-wide door-to-door multimodal passenger mobility and freight transport

### Impacts

energy-efficient and green airport and port operations and buildings, green and smart logistics, integration with other low-emission transport modes **(in particular rail)** and promoting effective modal shifts;

**Rail NO optativo**

**Rail optativo (f: combinaciones, etc)**

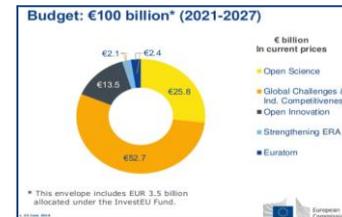
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# Horizonte Europa. Presupuestos en negociación

€ 94,4 billion

€ 86,5 + 3,1 billion

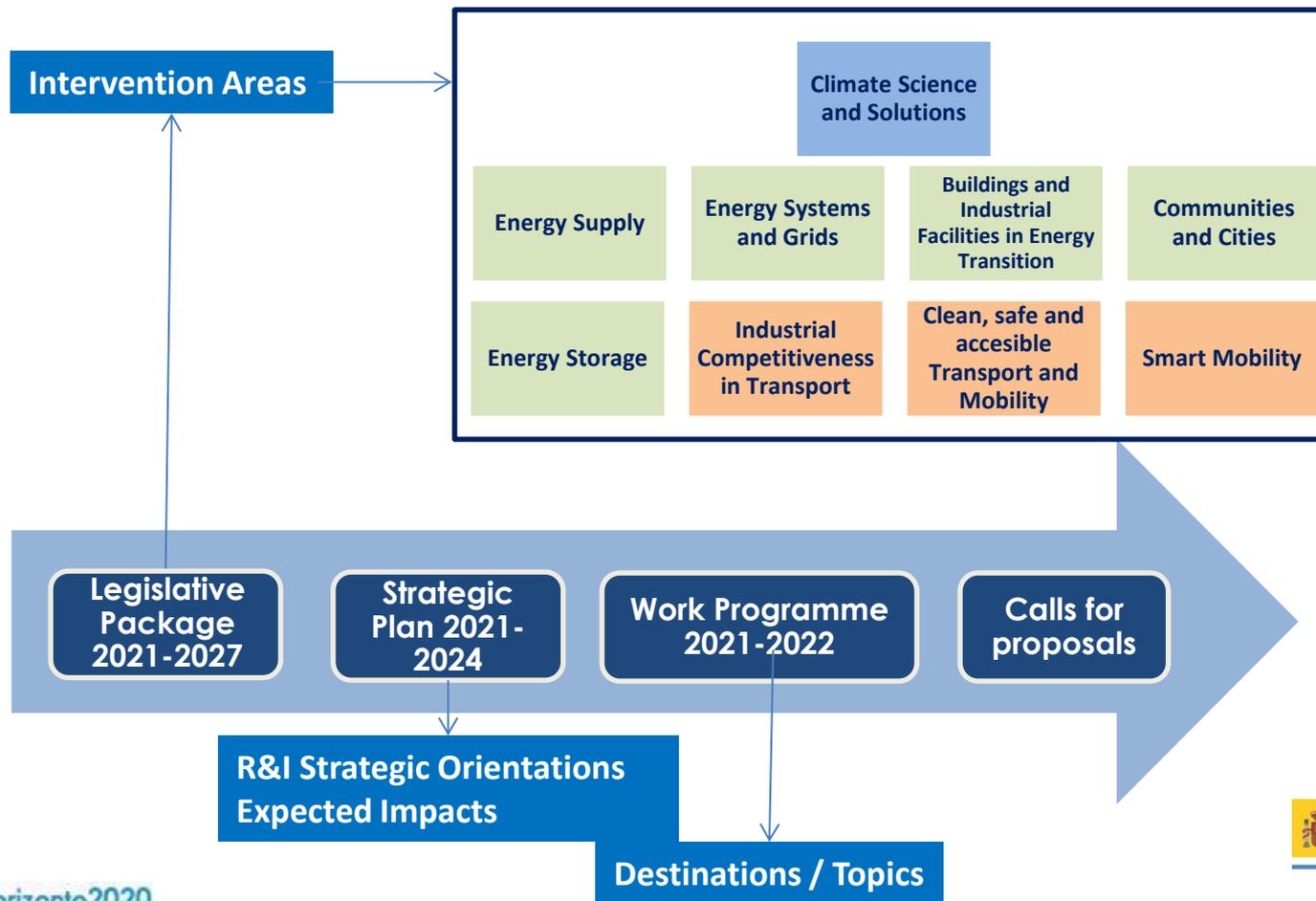


Propuesta COM Mayo 2020				Propuesta COM Mayo 2018			
2018 Prices	2021-2027	Under NextGeneration UE	TOTAL	2018 Prices	2021-2027	Under NextGeneration UE	TOTAL
1. Single Market, Innovation and Digital	140.656	69.800	210.456	1. Single Market, Innovation and Digital	166.303	N/A	166.303
1. Research and Innovation	87.659	13.500	101.159	1. Research and Innovation	91.028	N/A	91.028
<b>Horizon Europe</b>	80.900	13.500	<b>94.400</b>	<b>Horizon Europe</b>	86.596	N/A	<b>86.596</b>
				Of Which under the InvestEU Fund	3.106	N/A	3.106
2. European Strategic Investments	30.800	56.300	87.100	2. European Strategic Investments	44.375	N/A	44.375
InvestEU Fund	1.300	30.300	31.600	InvestEU Fund	13.065	N/A	13.065

**Next Generation EU** to boost the EU budget with new financing raised on the financial markets for 2021-2024 / €750 billion

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# Del paquete legislativo al “call for proposals”



# Horizonte Europa. Cluster 5. Partenariados

## Institucionales



Clean Aviation



Integrated Air Traffic Management



Transforming Europe's rail system

## Co-programados



Connected, Cooperative and Automated Mobility



Towards zero emission road transport



Zero-emission-waterborne-transport\_



Batteries (Co-programmed partnership):  
aplicaciones movilidad

## Otras oportunidades

Clean hydrogen  
(institutionalised  
Partnership)

Batteries (Co-  
programmed  
partnership)

Driving Urban  
Mobility  
(co-fund)

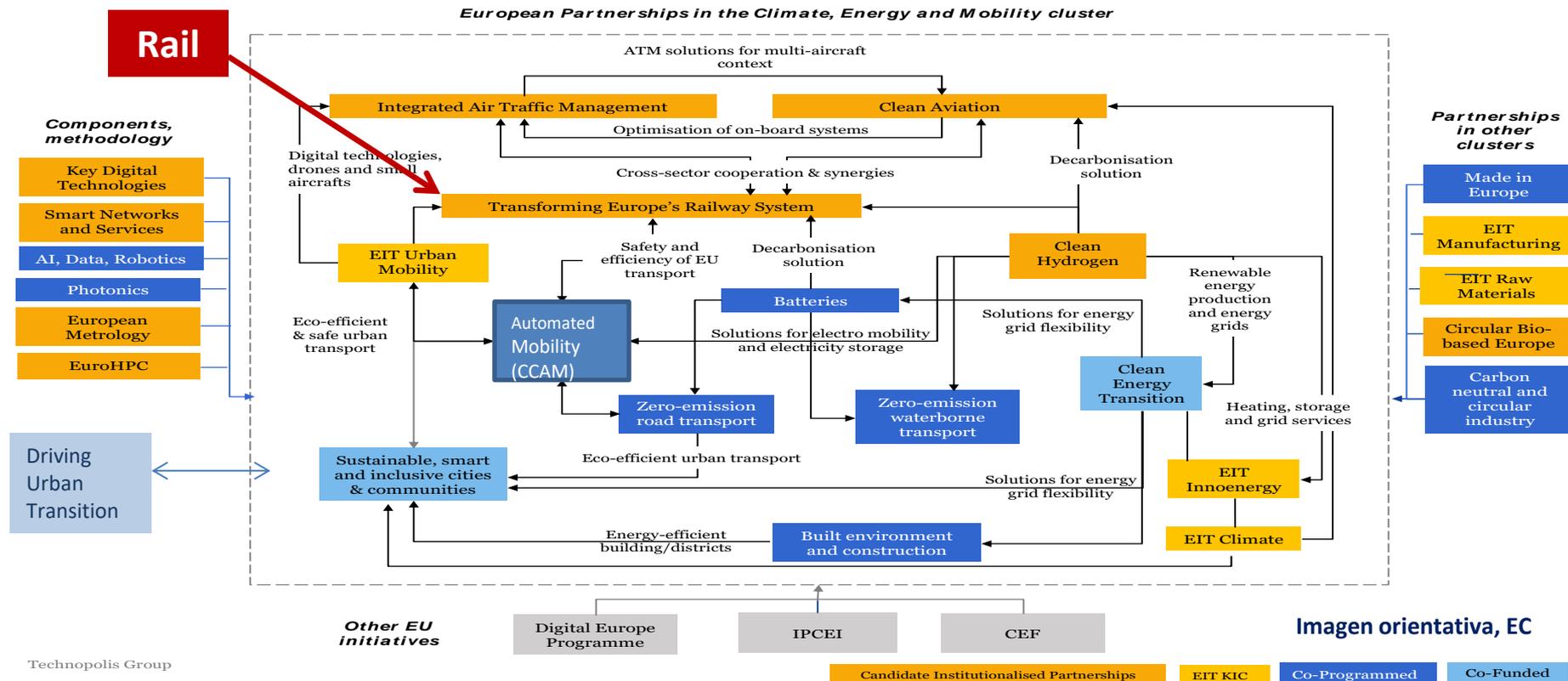
Build4People



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# Horizonte Europa. Partnerships

Integración entre partnerships (desarrollo tec, integración sistema, despliegue, etc)



# Shift2Rail. EXCELENTE participación entidades

Shift2Rail ES Resultados (orientativo) >> 11 % ES Objetivo (HE) > 9,5 % ES Objetivo (H2020)

## EXCELENTE resultados de miembros españoles (call for members)

**EU Contribution (Total): 276 millones EUR. España: 47 millones EUR**

**Retornos: 17%**

1 país: Alemania; **2º país: España**; 3er país: Francia

## EXCELENTE resultados de participantes españoles (open calls)

**EU Contribution (Total): 99 millones EUR. España: 15 millones EUR**

**Retornos: 15%**

1 país: Italia; **2º país: España**; 3er país: Alemania

## Transforming Rail Transport?

### Convocatorias:

CFM: 8XS2R-161-H2020-S2RJU-CFM-2015-01-1, 8XS2R-162-H2020-S2RJU-CFM-2016-01-1, 8XS2R-171-H2020-S2RJU-CFM-2017-01, 8XS2R-181-H2020-S2RJU-CFM-2018, 8XS2R-191-H2020-S2RJU-CFM-2019-01, 8XS2R-201-H2020-S2RJU-CFM-2020-01.

OC: 8XS2R-163-H2020-S2RJU-OC-2015-01-2, 8XS2R-164-H2020-S2RJU-OC-2016-01-2, 8XS2R-172-H2020-S2RJU-OC-2017-01, 8XS2R-182-H2020-S2RJU-OC-2018, 8XS2R-192-H2020-S2RJU-OC-2019-01, 8XS2R-202-H2020-S2RJU-OC-2020-01.

<https://www.ciencia.gob.es/stfls/MICINN/Ministerio/FICHEROS/EECTI-2021-2027.pdf>



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# Horizonte Europa

## Horizonte Europa: 9 x JTIs

Single legal act: parte común + parte específica

## Horizonte Europa. Cluster 5 Energía, Clima, Movilidad

11 partnerships (co-programmed, institucional, co-funded)

Desarrollo tecnología a integración (p.e)

H2: FCH -> Rail

Movilidad Urbana: Rail -> DUT, etc

## Calendario (orientativo, ver Anexo)

Q2 2021. Cluster 5 Call launch.

Q2/Q3 2021 . Call launch JTIs

## Evento: 2/3 Diciembre

<https://eventos.cdti.es/ES/Presen-tacionHorizonteEuropa>



Pedro Duque  
Ministro de Ciencia e  
Innovación



Mariya Gabriel  
Comisaria de Innovación,  
Investigación, Cultura,  
Educación y Juventud



Teresa Riego Alarcón  
Secretaria General de  
Innovación  
Ministerio de Ciencia e  
Innovación



Rafael Rodrigo  
Secretario General de  
Investigación  
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Juan Antonio Tibor  
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Directora Programa de la  
CDTI



Guillermo Álvarez Jiménez  
Jefe del Depto. de Relaciones  
Sociales

Subvención

**Compartir**

Conocimiento

Riesgos

Información

**Networking**

Influencia

Nuevos cliente

Nuevos mercados

**Publicidad**

Imagen

Reconocimiento

...

**Nunca es tarde**



# Ayuda. HE. Clima, Energía y Movilidad



## Clima

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## Energía

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## Movilidad

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

[www.eshorizonte2020.es](http://www.eshorizonte2020.es) - [www.cdti.es](http://www.cdti.es)



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# Anexo (timing JTI, single legal act)

- **Q4/2020: adoption of COM proposals** for Article 185 and 187 initiatives (including SWD with the impact assessment);
  - Commitment letters by the time the Commission adopts the legislative proposal.
- Adoption of basic acts by Council (and European Parliament, for Article 185) in **Q2/Q3 2021** would allow to still launch calls in 2021.
  - Under H2020, negotiations were concluded in eight months.

## WHY a Single Basic Act for 9 JUs?

- To **rationalise and simplify** partnership landscape
- Individual specificities and needs treated in **flexible but harmonised legal frame**
- **Horizon Europe criteria** agreed with co-legislators and meant to increase coherence, comparability, impact and openness
- **Consistency and transparency in implementation**
- **Facilitates inter-institutional negotiations** by offering a coherent policy narrative for all initiatives
- Encourage **synergies**

## Single Basic Act structure

- **Part One - COMMON PROVISIONS:** general principles and rules framing the operation of the Joint Undertakings (e.g. operations, reporting, advisory bodies, planning and staff), in line with the criteria for European Partnerships under HE;
- **Part Two - SPECIFIC PROVISIONS PER JU** (e.g. specific objectives/tasks, membership, Union and members' contribution obligations, etc.).
- **Part Three - FINAL PROVISIONS** common to all JUs