

#innovacion  
#ayudascdti  
#asesoramiento  
#internacionalizacion



# Horizonte Europa - Cluster 5

## Clima, Energía y Movilidad

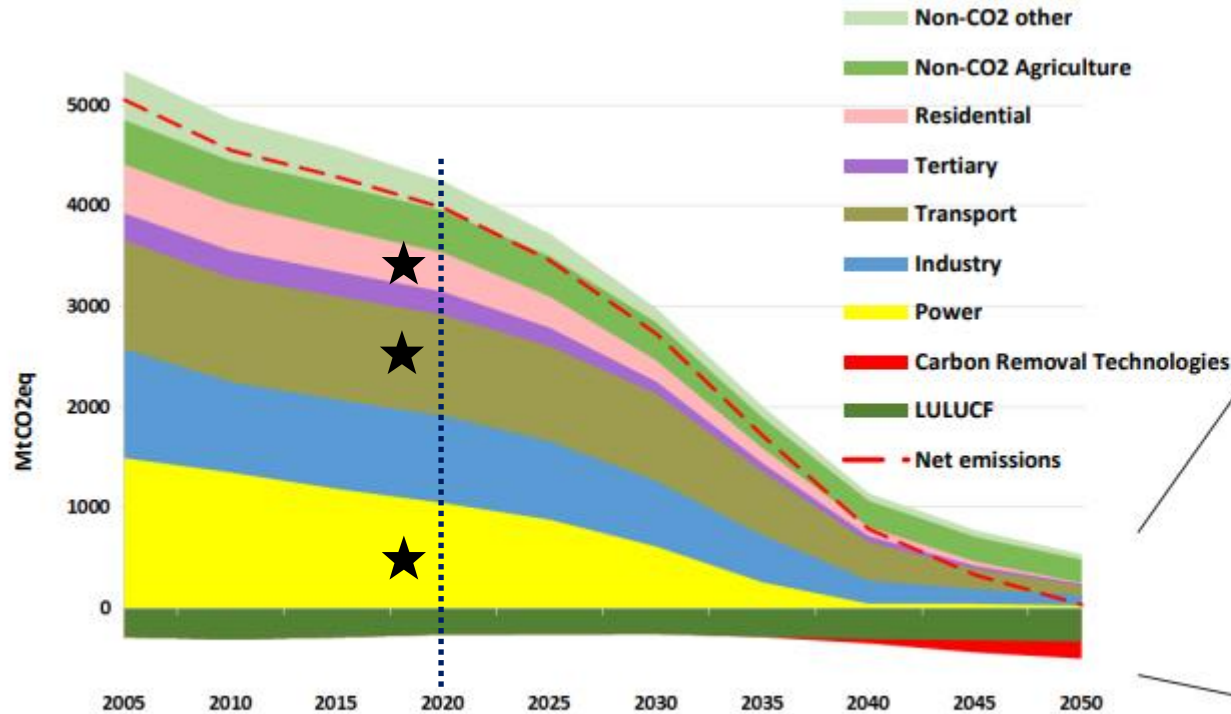


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# Índice

- Del Clúster 5. Clima, Energía y Movilidad
- Clúster 5. Clima

# Por qué Clima, Energía y Movilidad...juntos???



## By 2030 in EU

- **Energy** - 75% of emissions
- **Buildings** - 36% of emissions
- **Transport** +24% renewable energy share
- + .....actions in other sectors

# Índice

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# Horizonte Europa (2021 – 2027)

<b>PILAR 1 – CIENCIA EXCELENTE</b>	<b>25.011</b>	<b>PILAR 2 - RETOS MUNDIALES Y COMPETITIVIDAD INDUSTRIAL EUROPEA</b>	<b>53.516</b>	<b>PILAR 3 – INNOVACIÓN ABIERTA</b>	<b>13.597</b>
ERC - Consejo Europeo de Investigación	16.004	Clúster 1 - Salud	8.246	EIC- Consejo Europeo de Innovación	10.105
MSCA - Acciones Marie Skłodowska-Curie	6.602	Clúster 2 - Cultura, creatividad y sociedad inclusiva	2.280	Ecosistemas de innovación europea	527
Infraestructuras de investigación	2.406	Clúster 3 - Seguridad	1.596	EIT - Instituto Europeo de Innovación y Tecnología	2.965
		Clúster 4 - Digital, industria y espacio	15.349		
		<b>Clúster 5 - Clima, energía y movilidad</b>	<b>15.123</b>		
		Clúster 6 - Alimentación, bioeconomía recursos naturales, agricultura y medio ambiente	8.952		
		JRC – Centro Común de Investigación	1.970		

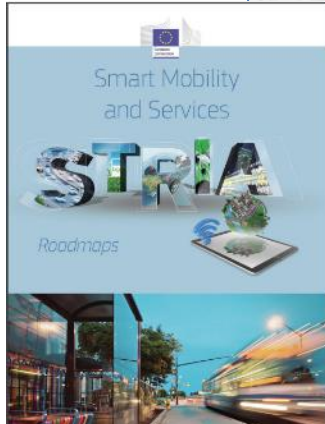
<b>Ampliar la Participación y Fortalecer el Espacio Europeo de Investigación</b>	<b>3.393</b>
Ampliar la participación y difundir la excelencia	2.955
Reformar y mejorar el sistema europeo de la I+i	438

# Clúster 5. Compromisos, Políticas, Iniciativas...

SUSTAINABLE DEVELOPMENT GOALS



.....y otras



# De Horizonte 2020 a Horizonte Europa

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## Reto Social 3

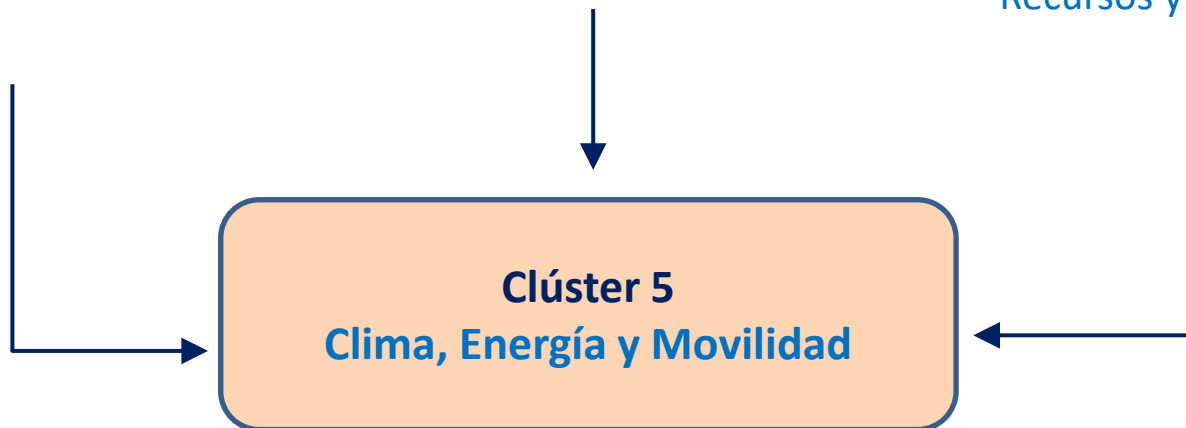
Energía limpia, segura y eficiente

## Reto Social 4

Transporte inteligente, ecológico e integrado

## Reto Social 5

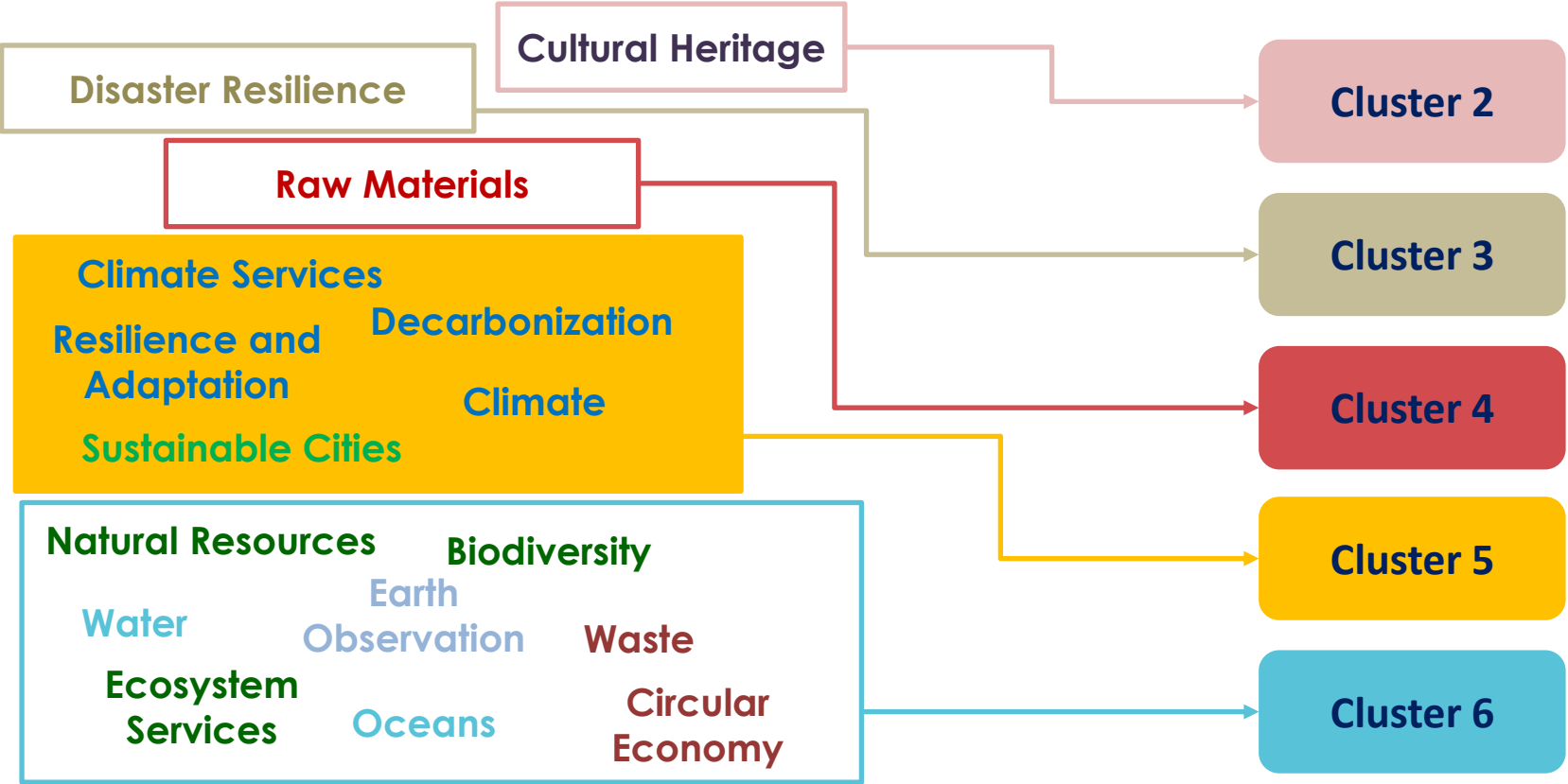
Acción por el Clima, Medio Ambiente, Eficiencia de los Recursos y Materias Primas



# H2020 - Reto Social 5

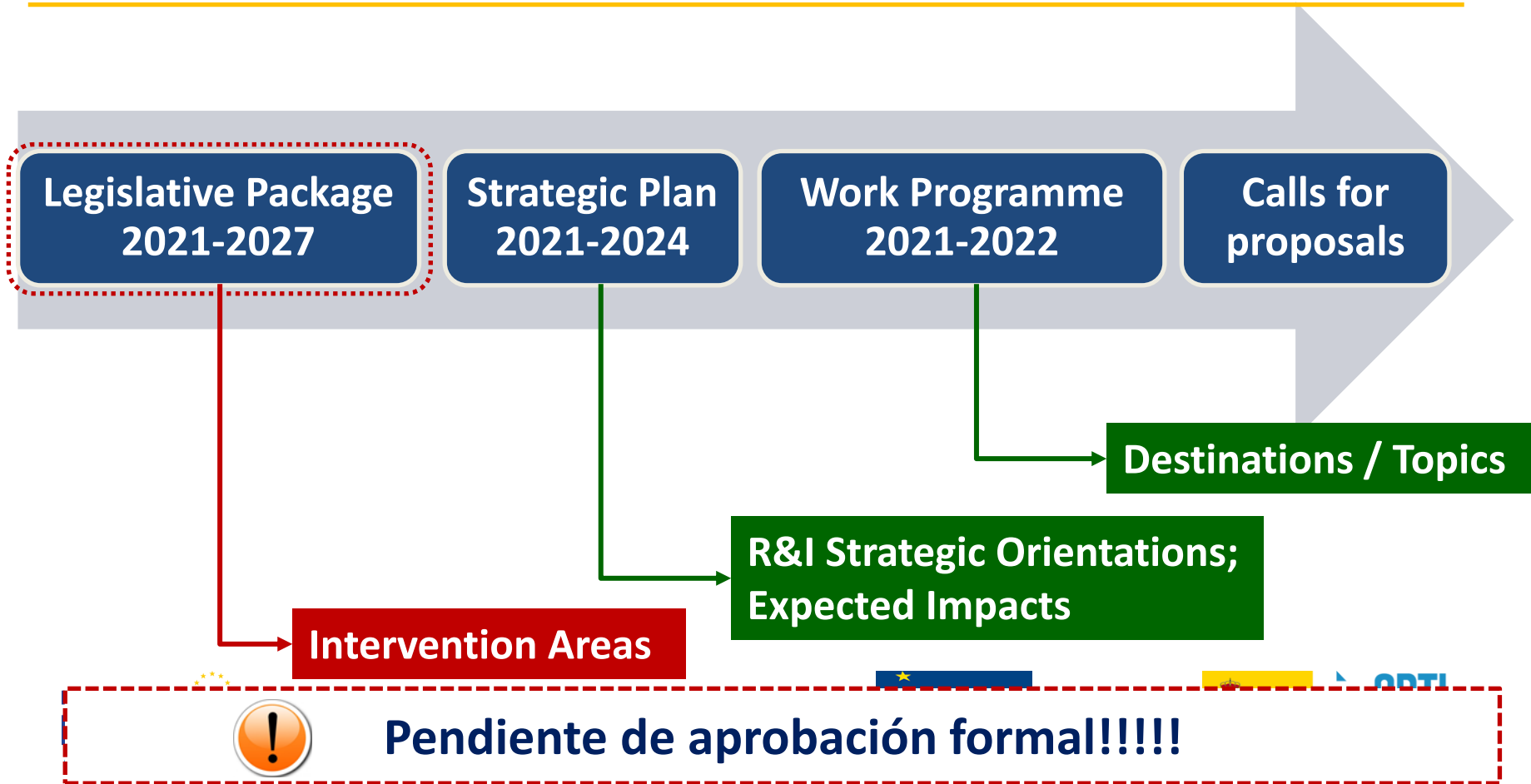


# Horizonte Europa





# Horizonte Europa: desde la “Base Legal” ....



# Cluster 5. 9 Áreas de Intervención

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**Climate Science  
and Solutions**

**Energy Supply**

**Energy Systems  
and Grids**

**Buildings and  
Industrial  
Facilities in  
Energy Transition**

**Communities and  
Cities**

**Energy Storage**

**Industrial  
Competitiveness  
in Transport**

**Clean, safe and  
accessible  
Transport and  
Mobility**

**Smart Mobility**

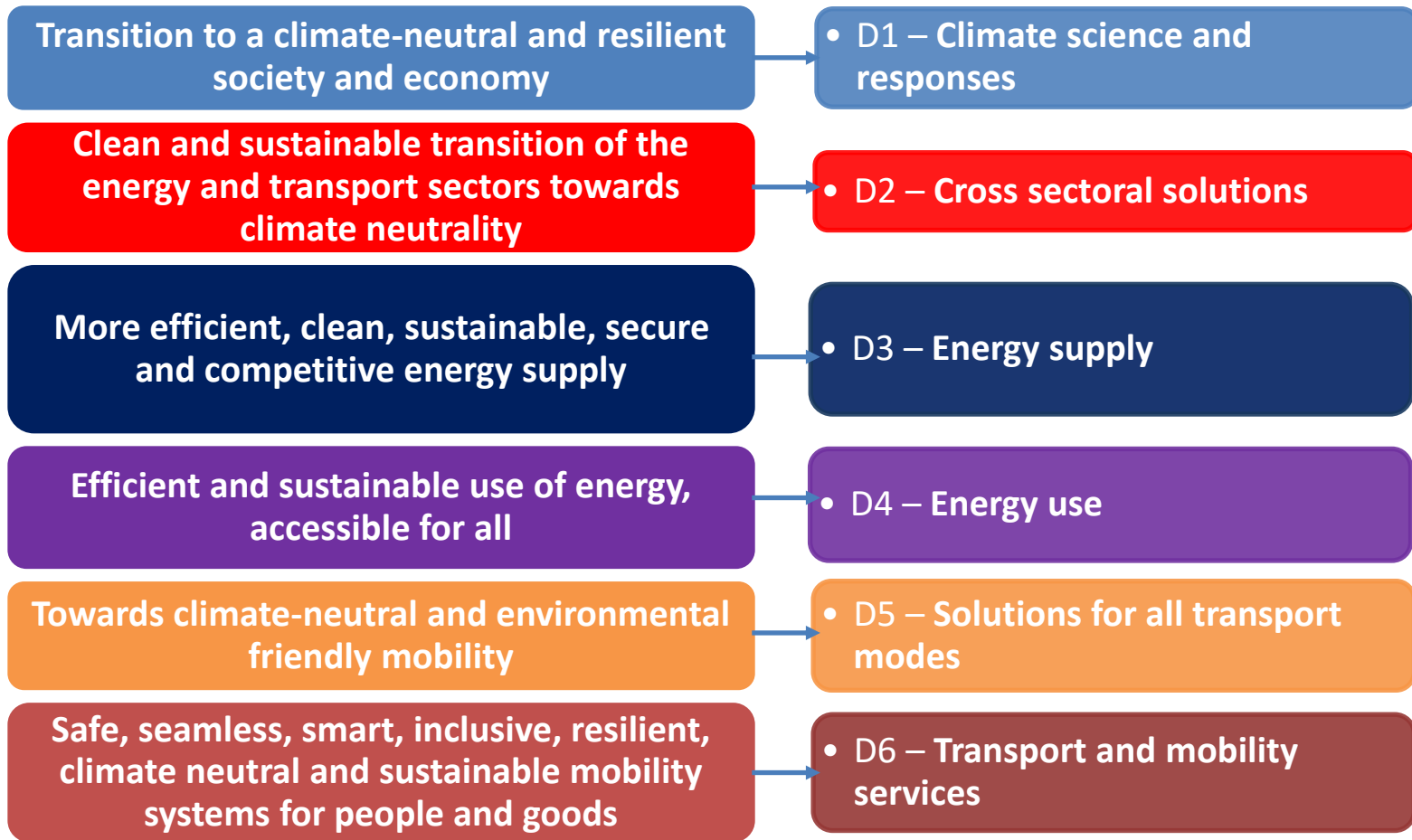
# ...pasando por el “Strategic Plan” .....



# Matching Impacts & Destinations (D1-D6)

Strategic Plan (2021-2024)

Cluster 5



WP 2021-2022

# Del Clúster 5 y los partenariados (“candidatos”)

**1st Strategic  
Period  
2021 - 2024**

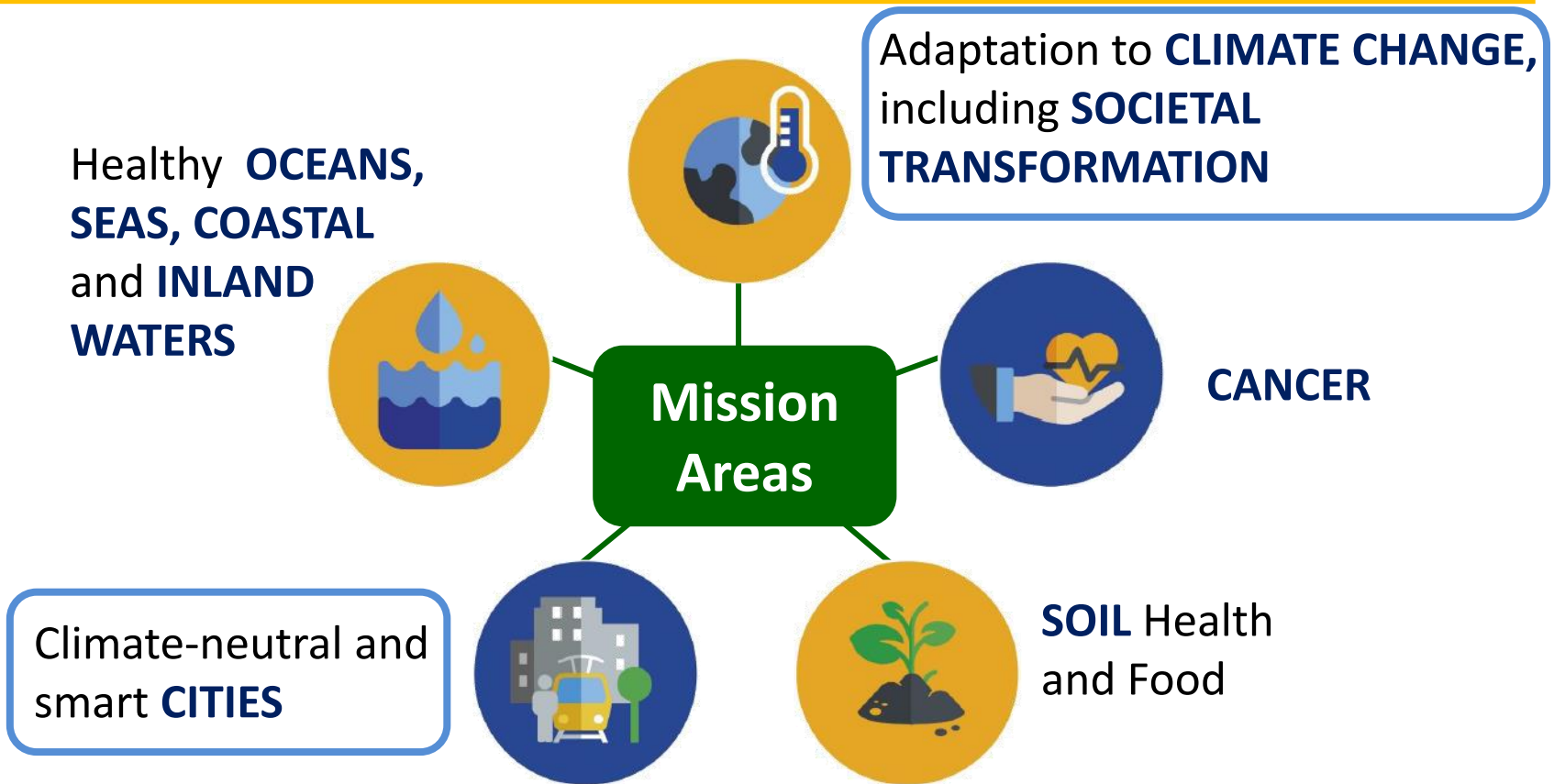
## Clúster 5

24. Driving urban transitions to a sustainable future (DUT)
25. Batteries: Towards a competitive European industrial battery value chain
26. Clean Hydrogen
27. EIT Climate-KIC
28. Clean Energy Transition
29. EIT InnoEnergy
30. People-centric sustainable built environment (Built4People)
31. Towards zero-emission road transport (2ZERO)
32. Zero-emission waterborne transport
33. Transforming Europe's rail system
34. Integrated Air Traffic Management
35. Clean Aviation
36. Connected, Cooperative and Automated Mobility (CCAM)
37. EIT Urban Mobility

### Tipos de partenariados:

- Co-financiados
- Co-programados
- Institucionales

# Misiones en Clúster 5



# A tener en cuenta en el Clúster 5....

- Contexto político – es clave conocer bien las **estrategias, políticas, compromisos de la UE.**
- Implementación.-
  - **WP 2021-2022**
  - **Partenariados**
  - **Misiones**



**IMPORTANTE!!!!** No perdamos de vista todas las oportunidades

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# Matching Impacts & Destinations (D1-D6)

Strategic Plan (2021-2024)

Cluster 6

Transition to a climate-neutral and resilient society and economy

• D1 – Climate science and responses

Clean and sustainable transition of the energy and transport sectors towards climate neutrality

• D2 – Cross sectoral solutions

More efficient, clean, sustainable, secure and competitive energy supply

• D3 – Energy supply

Efficient and sustainable use of energy, accessible for all

• D4 – Energy use

Towards climate-neutral and environmental friendly mobility

• D5 – Solutions for all transport modes

Safe, seamless, smart, inclusive, resilient, climate neutral and sustainable mobility systems for people and goods

• D6 – Transport and mobility services

WP 2021-2022

# “Climate Action” en Horizonte Europa

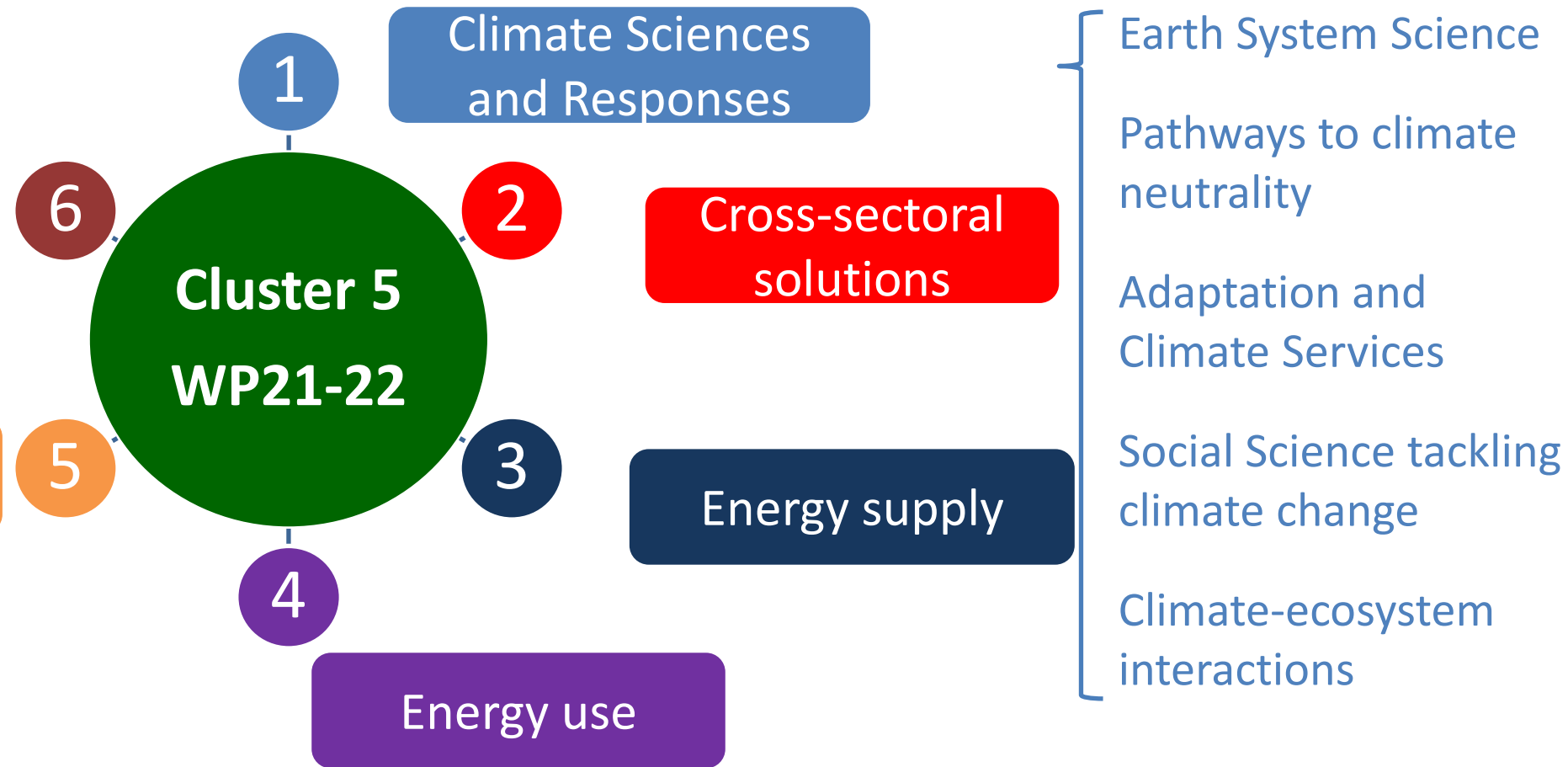
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- **35% del presupuesto** de HE para Cambio Climático (adaptación, mitigación y resiliencia).
- **Más oportunidades** en Clima y Calidad del Aire en...
  - otros “Destinations” (p.e. Destinations 4, 5 o 6)
  - otros “Clusters” (p.e. Cluster 6, 3 o 4)

# WP 2021/2022 - Destination 1

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# WP 2021/2022 – Destination 1.- Algunos detalles

Call	OPENING	DEADLINES Single Stage o 1st Step (Two Stages)	DEADLINES 2nd Step (Two Stages)	Estimated BUDGET (M€)	TYPE of ACTIONS
<b>HORIZON-CL5-2021- D1-01</b>	<b>15/04/2021</b>	<b>07/09/2021</b>	-	<b>136</b>	<b>RIAs + CSAs</b>
<b>HORIZON-CL5-2022- D1-01-two-stage</b>	<b>12/10/2021</b>	<b>10/12/2021</b>	<b>27/09/2020</b>	<b>51</b>	<b>RIAs</b>
<b>HORIZON-CL5-2022- D1-02</b>	<b>12/10/2021</b>	<b>10/02/2022</b>	-	<b>87</b>	<b>RIAs</b>

# WP 2021/2022 – Destination 1.- Algunos detalles

## Climate Science and Responses

- Greenhouse gas fluxes and radiative forcers
- Role of the circular economy
- Impact and synergy of European climate change research and innovation
- Integrated assessment
- Interactions between climate change impacts, risks, mitigation and adaptation options
- Climate services
- Economic methods for decision-making
- Restoration of natural wetlands, peatlands and floodplains
- Forest management to climate action

Borrador

# Misiones en Clúster 5 - Clima

Healthy OCEANS,  
SEAS, COASTAL  
and INLAND



Adaptation to **CLIMATE CHANGE**,  
including **SOCIETAL  
TRANSFORMATION**



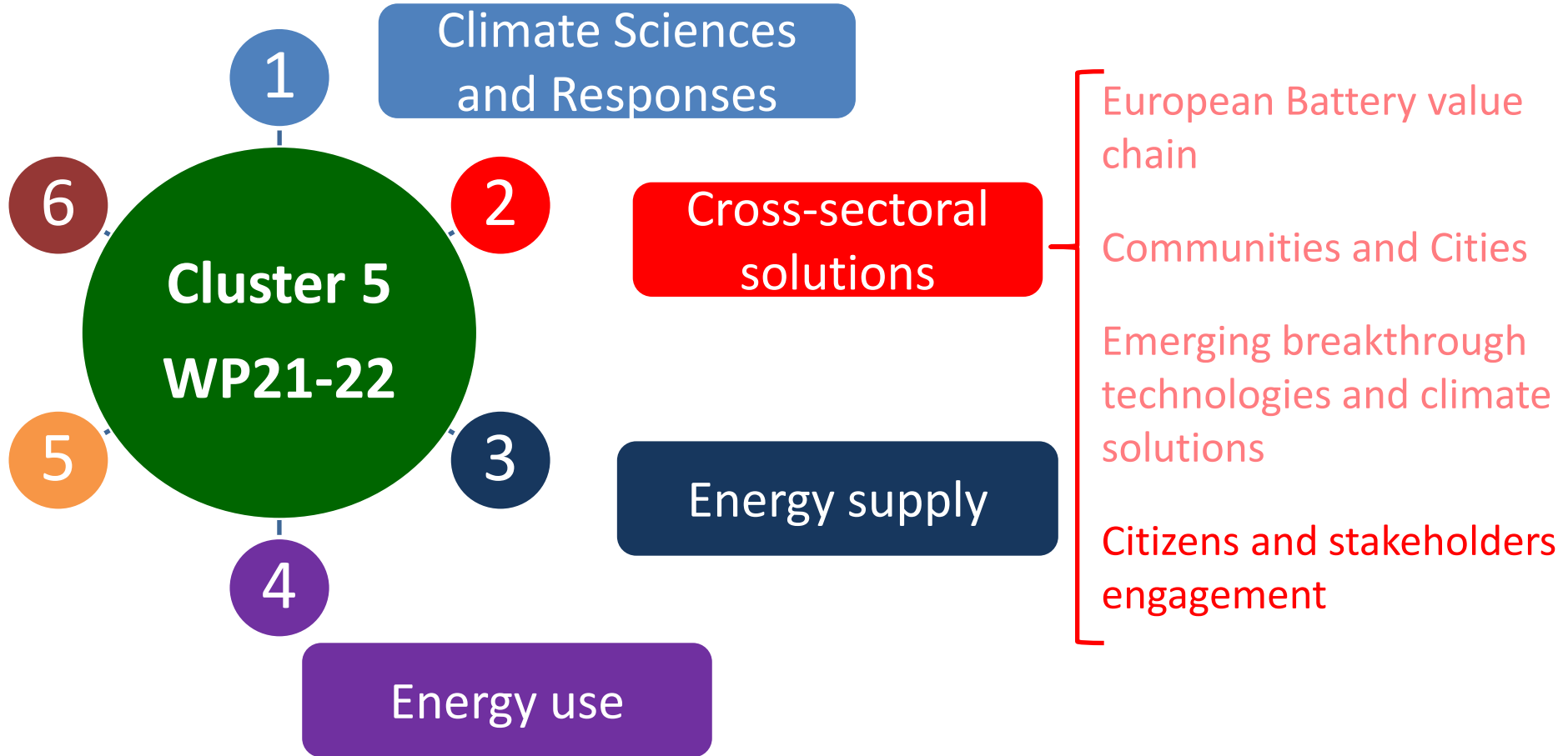
## A Climate Resilient Europe by 2030

The Mission will:

- **prepare** Europe to deal with climate disruptions;
- **accelerate** the transformation to a climate resilience, healthy and prosperous future within safe planetary boundaries;
- and **build** deep resilience by scaling up solutions triggering societal transformations.

# WP 2021/2022 - Destination 2

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# WP 2021/2022 – Destination 2.- Algunos detalles

Call	OPENING	DEADLINES Single Stage o 1st Step (Two Stages)	DEADLINES 2nd Step (Two Stages)	Estimated BUDGET (M€)	TYPE of ACTIONS
<b>HORIZON-CL5-2021-D2-01</b>	<i>15/04/2021</i>	<i>19/10/2021</i>	-	<i>231 + 18,50</i>	<i>RIAs + CSAs</i>
↳ <b>HORIZON-CL5-2021-D2-01</b> ↳ Citizens and stakeholders engagement	<i>15/04/2021</i>	<i>19/10/2021</i>	-	<i>17,5</i>	<i>RIA + CSAs</i>
<b>HORIZON-CL5-2022-D2-01</b>	<i>28/04/2022</i>	<i>16/09/2022</i>	-	<i>138</i>	<i>RIAs</i>

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# WP 2021/2022 – Destination 2.- Algunos detalles

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## Citizens and stakeholders engagement

- **Just transition in Europe**
- **Social Sciences and Humanities (SSH) research communities in climate, energy and mobility disciplines**
- **Climate transition in difficult contexts (super-labs)**
- Fostering **cooperation between** Horizon Europe **cluster 5 National Contact Points (NCPs)**

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# A tener en cuenta que la Acción por el Clima....

- “Cross-cutting” en Horizonte Europa (35% “budgetary target”) → oportunidades en **otros “Destinations”** y/o... **en otros Clústeres.**
- Implementación:
  - **WP 2021-2022** y
  - Misión de **Adaptación al Cambio Climático incluyendo la Transformación Social**



**IMPORTANTE!!!!** Aprovechemos las oportunidades

# Apoyo al participante

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## Clúster 5 – Clima



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