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V ASAMBLEA SOLPLAT

Financiación europea para proyectos de **SOLAR TÉRMICA**

ESHORIZONTE2020
Portal español del Programa Marco de Investigación e Innovación de la Unión Europea
@EsHorizonte2020

Madrid, 18 noviembre 2020

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Horizon 2020 - Green Deal call

- Presupuesto => 983 M€
- 5 programas, no solamente Energía
- Incrementar el impacto y la visibilidad => grandes proyectos de demostración e innovación
- Reducido número de proyectos por topic, algunos de gran tamaño
- 20 topics, 5 (+2) relacionados con Energía



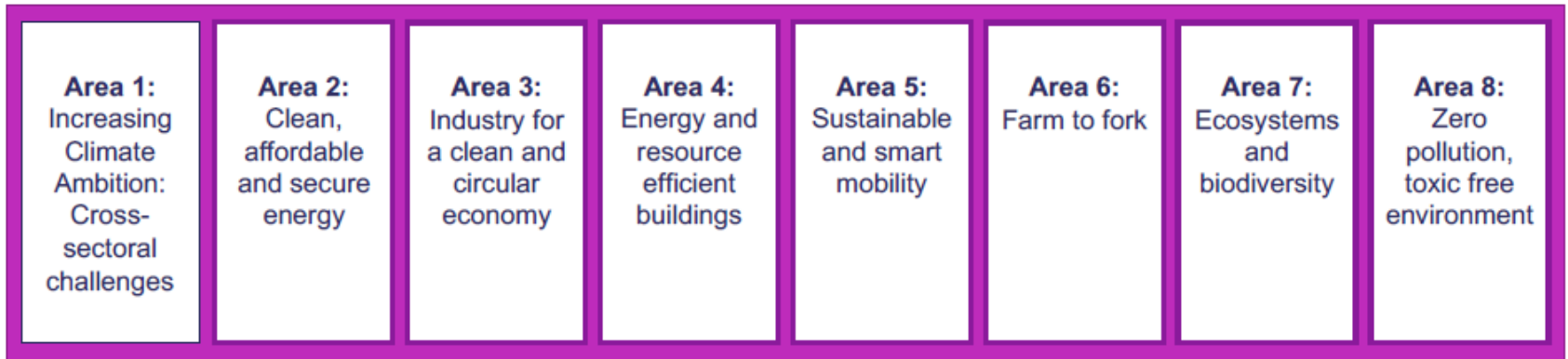
Timeline

- Fecha de publicación => 22 Septiembre 2020
- Fecha de cierre => 26 Enero 2021

Infoday CDTI – 1 Octubre 2020

https://eventos.cdti.es/ES/call_EUGD/

Estructura de la convocatoria Green Deal



Area 9: Strengthening knowledge in support of the European Green Deal

Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe

WorkProgramme “Cross-cutting activities”. Topics con código “LC-GD”

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

Topics relacionados con Energía

SOLAR TÉRMICA

Area 1: Increasing Climate Ambition

Area 2: Clean, affordable and secure energy

Area 4: Energy and resource efficient buildings

Area 3: Industry for a clean and circular economy

Area 5: Sustainable and smart mobility

1.2 Towards climate-neutral and socially innovative cities

2.1 Innovative land-based and offshore renewable energy technologies and their integration into the energy system

2.2 Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and commercial/industrial applications

2.3 Accelerating green transition & energy access Partnership with Africa

4.1 Building and renovating in an energy and resource efficient way

3.1 Closing the industrial carbon cycle – industrial feasibility of catalytic routes for sustainable alternatives to fossil resources

5.1 Green airports and ports as multimodal hubs for sustainable and smart mobility



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Horizonte Europa: Evolution not Revolution



Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures



Pillar 2 Global Challenges and European Industrial Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- **Climate, Energy and Mobility**
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



Pillar 3 Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Cluster 5. Políticas e Iniciativas en Energía



SUSTAINABLE DEVELOPMENT GOALS

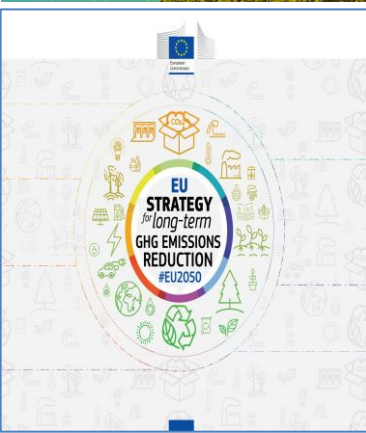


PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21·CMP11



EU Battery Alliance

.....y otras



Energy System Integration Strategy



A more **efficient** and “**circular**” system

- Promote energy efficiency
- Encourage the reuse of waste heat from industrial sites and data centres
- Accelerate investment in smart, highly-efficient, renewables-based district heating and cooling networks
- Use of agriculture residues to produce sustainable biogas and biofuels

A **cleaner power** system

- Renewable electricity in buildings, transport and industry
- Development of charging stations for electric vehicles and the injection of renewable electricity in the network

A **cleaner fuel** system

- Unlock the potential of sustainable biomass and biofuels, green hydrogen, and synthetic fuels
- Enable carbon capture, storage and
- Promote low-carbon fuels,

Renovation Wave Strategy



Buildings account for:



> 40% of
Energy
Consumed



> 36% of energy-
related
greenhouse gas
emissions

Renovation Wave Priorities:



Tackling **energy poverty**
and **worst-performing**
buildings



Renovation of **public**
buildings such as schools,
hospitals and public
administrations

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Decarbonisation of
heating and **cooling**



Reto Social 3
Energía limpia, segura y eficiente

Reto Social 5
Acción por el Clima, Medio Ambiente, Eficiencia de los Recursos y Materias Primas

Reto Social 4
Transporte inteligente, ecológico e integrado

CLUSTER 5
CLIMA, ENERGÍA Y MOVILIDAD

Budget
(Commission proposal): EUR
15 billion

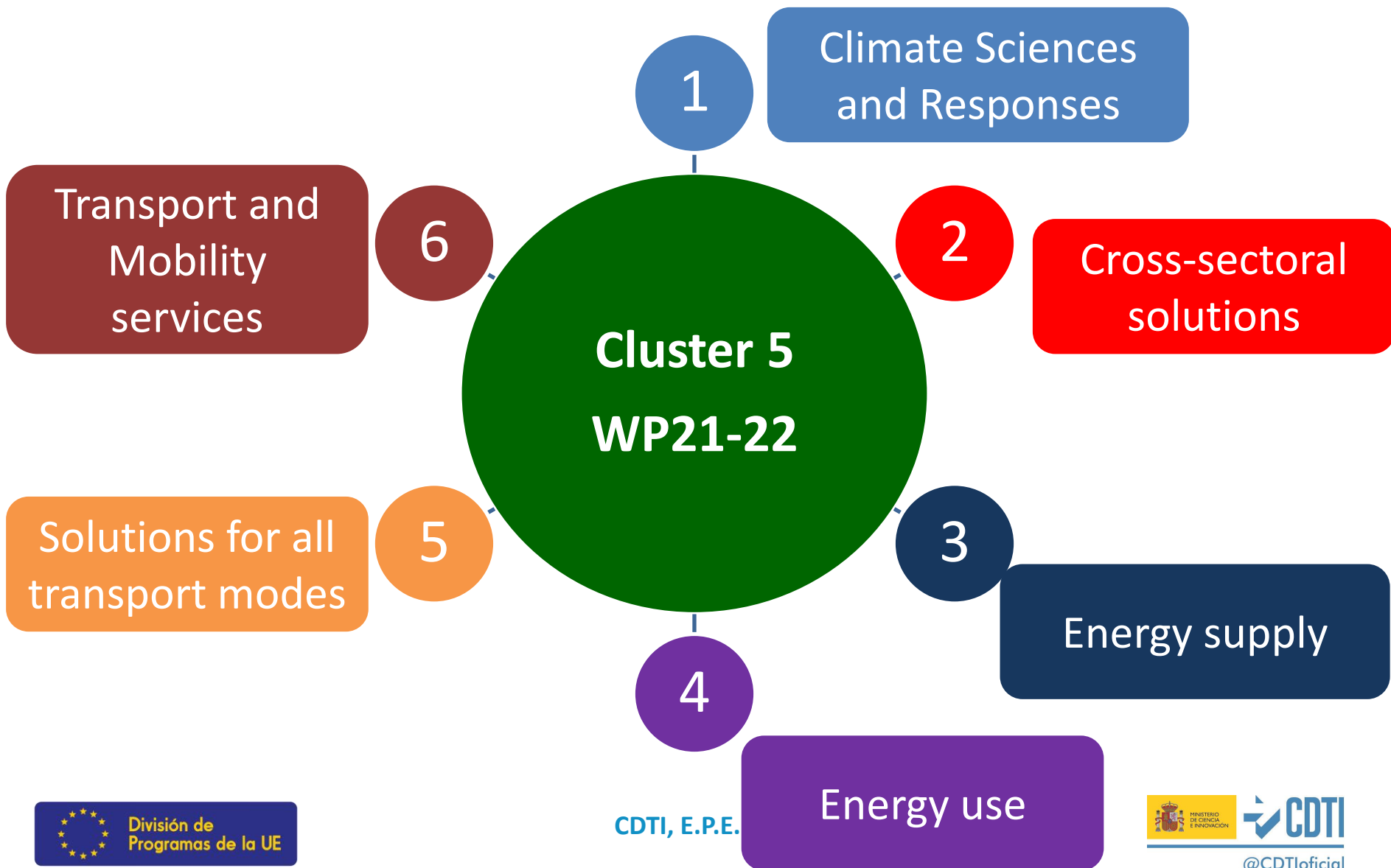


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Cluster 5 - 6 Destinations



Transición de RS-3 Horizon 2020 a Cluster 5 -HE

H2020
RETO SOCIAL 3:
Energía limpia,
segura y
competitiva



Destination 4 – Efficient, sustainable and inclusive energy use

Destination 3 – Sustainable, secure and competitive energy supply -2021-2024

Destination 2 – Cross-sectoral solutions for the climate transition

Horizon Europe - Partnerships de Energía, Cluster 5

Institutional Partnerships

- **Clean Hydrogen Europe (CHE)**

Co-programmed Partnerships

- **Built4People** | People-centric sustainable built environment
- **Batteries** | For stationary applications and e-mobility

Co-funded Partnerships

- **Driving urban transitions to a sustainable future (DUT)**
- **Clean Energy Transition (CET)**

Destination 2: Cross-sectoral solutions for the climate transition

A competitive and sustainable European **battery value chain**

Communities and cities

- Mobility– CIVITAS
- Climate – NBS; air quality
- Energy – PED; planning
- ICT – Digitalization; Platforms
- Partenariado Co-fund DUT-Driving Urban Transition

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Emerging breakthrough technologies and climate solutions

Citizens and stakeholder engagement

Destination 3: Sustainable, secure and competitive energy supply

Global leadership in renewable energy

Energy systems, grids and storage

Carbon Capture, Utilization & Storage (CCUS)

Cross-Cutting Issues

- Diferentes tecnologías energéticas
- Diferentes nivel de desarrollo tecnológico, incluido “market-uptake”
- Foco tecnológico : disminuir costes, aumentar eficiencia
- Foco no tecnológico: soluciones flexibles, integradas en sectores finales o en infraestructuras existentes

- Desarrollo de soluciones de almacenamiento a diferentes escalas.

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- **Co-fund on CET “Clean Energy Transition”**

Destination 4: Efficient, sustainable and inclusive energy use

Highly energy-efficient and climate neutral EU building stock

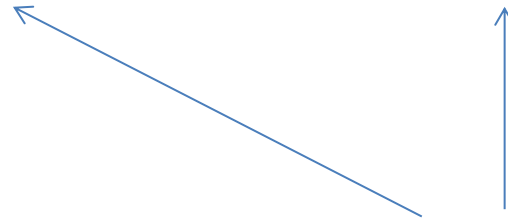
Industrial facilities

Energy challenge topics (BEE)

Sustainable built environment topics (B4P)

Built4People R&I partnership (B4P)

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- ▶ Inscribirse en las Listas de Distribución de CDTI de Horizonte 2020 Energía: [CDTI Listas de Distribución](#)
- ▶ [Jornada de presentación de Horizonte Europa en España](#), 2-3 diciembre