
**Oportunitats de Recerca col·laborativa
a HEU a través dels clusters:**

Medi Ambient i Sostenibilitat

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Scope of the session

Provide an overview of the opportunities offered by the HEU programme to **foster environmental research** at international level.

What will you gain?

An analysis of the HEU areas fitting with your environmental research challenges.

Policies and initiatives

SUSTAINABLE DEVELOPMENT GOALS

UNITED NATIONS
PARIS CLIMATE AGREEMENT
SIGNING CEREMONY
— 22 APRIL 2016 —



The
European
Green
Deal



EU
STRATEGY
for long-term
GHG EMISSIONS
REDUCTION
#EU2050



Circular Economy
Action Plan
The European
Green Deal



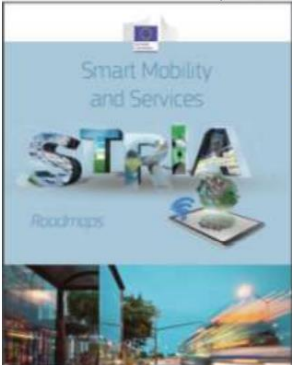
SHAPING
EUROPE'S
DIGITAL FUTURE



Smart Mobility
and Services

STRA

Roadmaps



URBAN
AGENDA
FOR THE EU



NEXT
GENERATION
EU



SET PLAN



HEU & the environmental challenges

*“A sustainable, fair and prosperous future for **people and planet**”*

*“A **green, healthy, digital and inclusive** Europe”*

- **Over 35%** of Horizon Europe **spending** will contribute to **climate objectives**.
- Helping to achieve **Sustainable Development Goals**



HEU implementation

TD

Pillar 1
EXCELLENT SCIENCE



European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2
GLOBAL CHALLENGES & 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

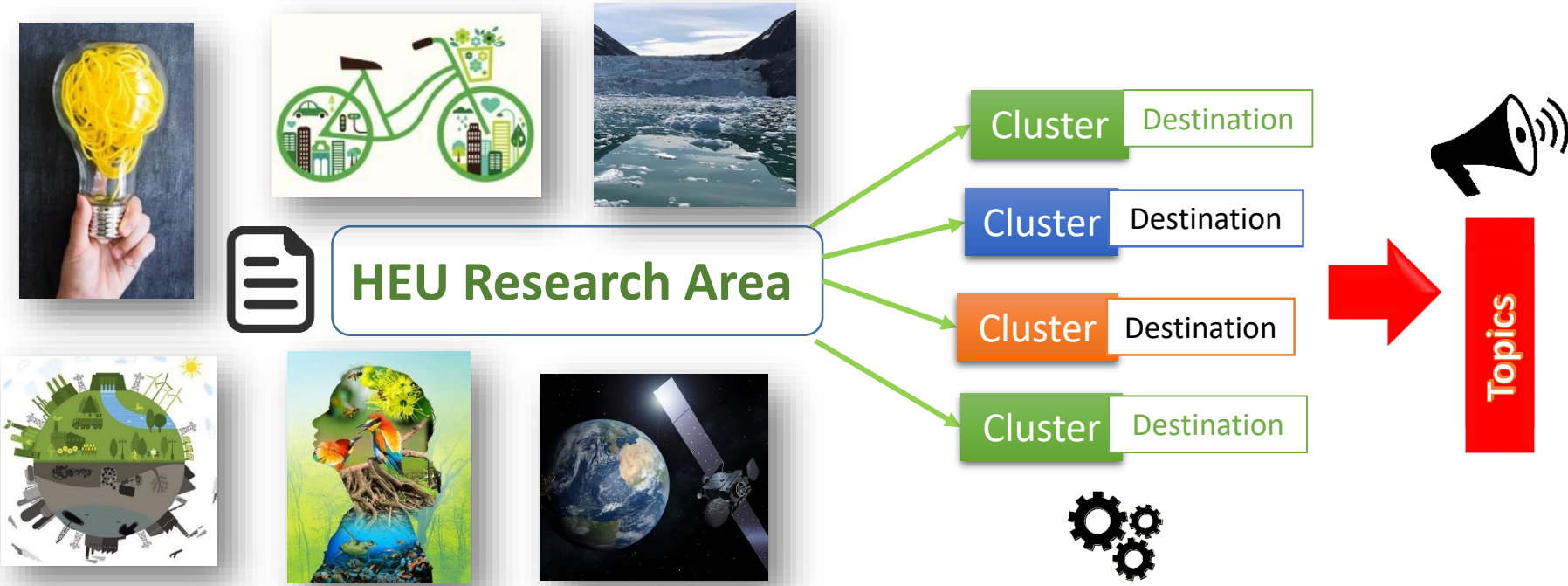


WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Identification of opportunities (1/8)



Identification of opportunities (2/8)

Biodiversity

Understanding biodiversity decline

CI 6

D1

NBS

Valuing & restoring biodiversity and ecosystem services

CI 6

D1

NBS

agro

Enabling transformative change on biodiversity

CI 6

D1

Nexus



Photo source: World Bank

Identification of opportunities (3/8)

Circular bio-economy



Photo source: IED

Enabling a circular economy transition

CI 6

D3

Microplastics

Innovating sustainable bio-based systems

CI 6

D3

LCA

Rural -forest

Addressing pollution on seas and oceans

CI 6

D4

MFA

Sustainable battery value chain

CI5

D2

Raw materials

Climate Neutral, Circular and Digitalized Production

CI4

D1

Waste & Water

Identification of opportunities (4/8)

Climate change



Photo by Paul Niklen

Assessing the impacts of climate change on land and marine environments

CI 6 D5

Climate action for adaptation, mitigation and resilience

CI 6 D5

Freshwater

Agroecosystem

Climate sciences and responses

CI 5 D1

Social science tackling climate change

CI 5 D1

Health impacts of climate change

CI 1 D2

Identification of opportunities (5/8)

Cities & communities



Innovating with governance models and supporting policies

CI 6

D7

Food

RRI

Resilient, inclusive, healthy and green communities

CI 6

D6

Costal & rural communities

Cultural heritage

CI 2

D2

Social perception



Photo source: UN

Identification of opportunities (6/8)

Socio-ecological transition



Citizens and stakeholder engagement to foster transition

CI 5

D2

Environmental justice

SSH

Sustainable future for EU society

CI 2

D3

Governance

Disaster –resilient society

CI 3

DRS

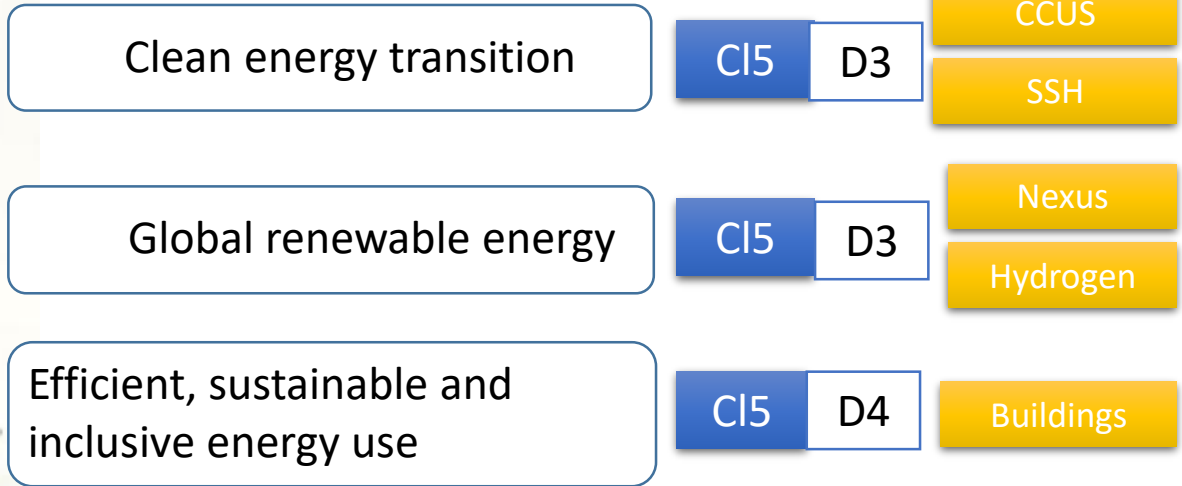
Governance

Identification of opportunities (7/8)

Green and sustainable energy



Photo source: GoodFon



Identification of opportunities (8/8)

Sustainable transport



Clean and competitive solutions for all transport modes

CI5

D3

Road

Aviation

Waterborne

Healthy environment



Living and working in a health-promoting environment

CI1

D2

EMF

Air quality

Earth observation



Space-based solutions for ecosystems restoration

CI4

D3

Copernicus

Take-home message

- ❖ All **Clusters** will likely include something interesting to develop your project.
- ❖ **Interdisciplinarity** and **civil society's involvement** will be key in HEU.
- ❖ Calls drafts are already available. Do not wait for the call launch to prepare your project.
Begin now!



Thank you!

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