

Circular Economy

in Societal Challenge 5 of Horizon 2020

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Horizon 2020 National Contact Point 'Climate action, environment,
resource efficiency and raw materials' (Societal Challenge 5)

APRE

APRE: Role and functions

APRE – Agency for the Promotion of European Research

Italian **non-profit** research organisation (PRIVATE)

Mission

- Promoting and supporting Italian participation in Horizon 2020
- Improve the “Quality” of the Italian participation in European programmes for R&I.

NCP

APRE hosts all **Italian National Contact Points** "NCPs" for the EU Horizon 2020 Framework Programme for R&I.

Members & Helpdesks

- **MORE THAN 100**
- **17 REGIONAL HELPDESKS**

APRE LIASON OFFICE IN BRUXELLES

APRE has a Brussels office, hosted in a joint office with main Research institutions in Italy.



Information and Awareness Raising

Advising and Assisting

Training

Signposting and Feedback

NCP (National Contact Points)

APRE hosts all Italian National Contact Points "NCPs" for the EU Horizon 2020 Framework Programme for R&I.

NCP are appointed by the Italian Ministry for Higher Education and Research.

NCPs



APRE services



More than 100 associated members

54 Universities

37 Public and Private Research organisations

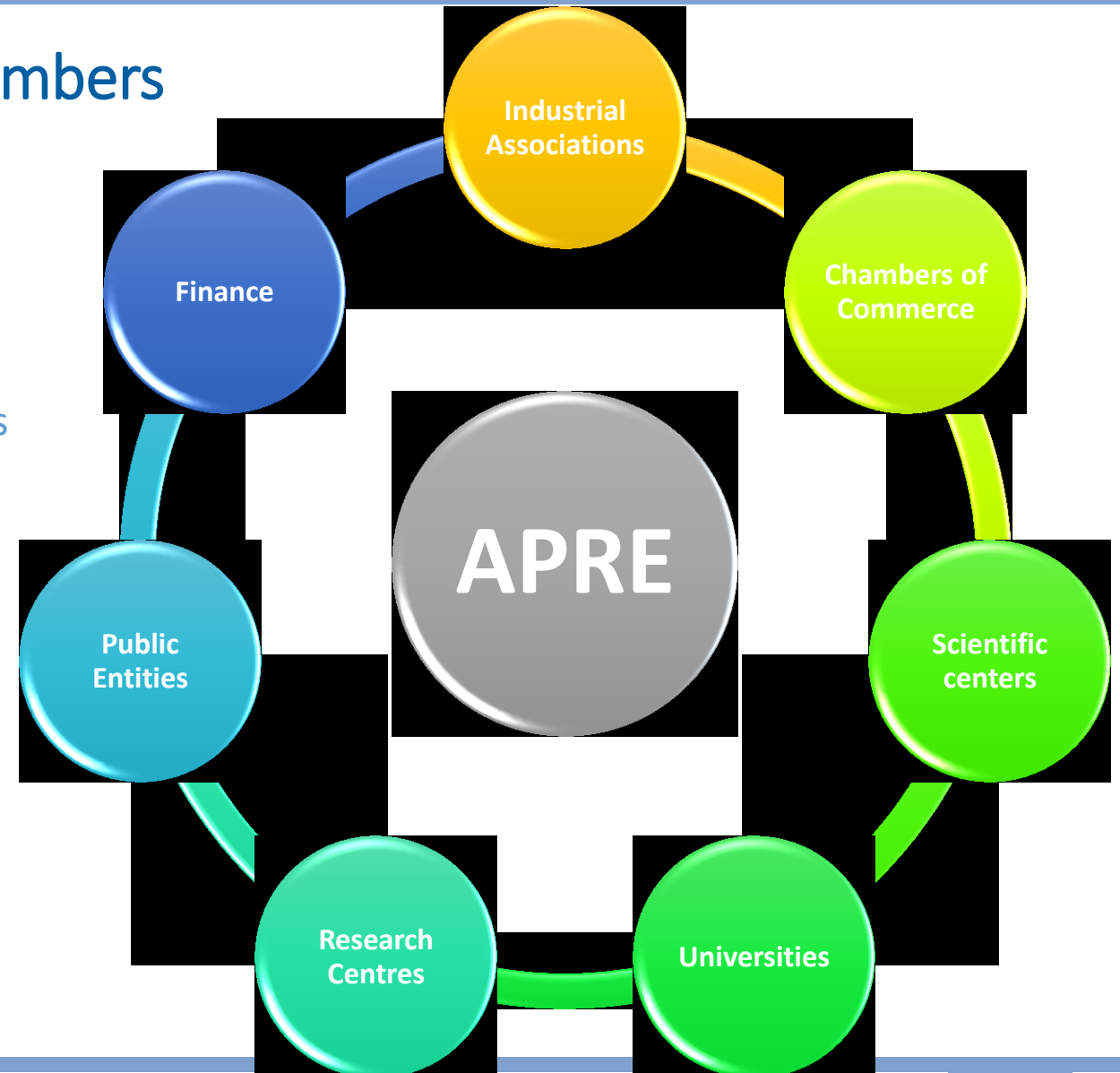
4 Financial organisations

4 Chambers of Commerce

4 Science Parks

7 Public Authorities

5 Trade Associations

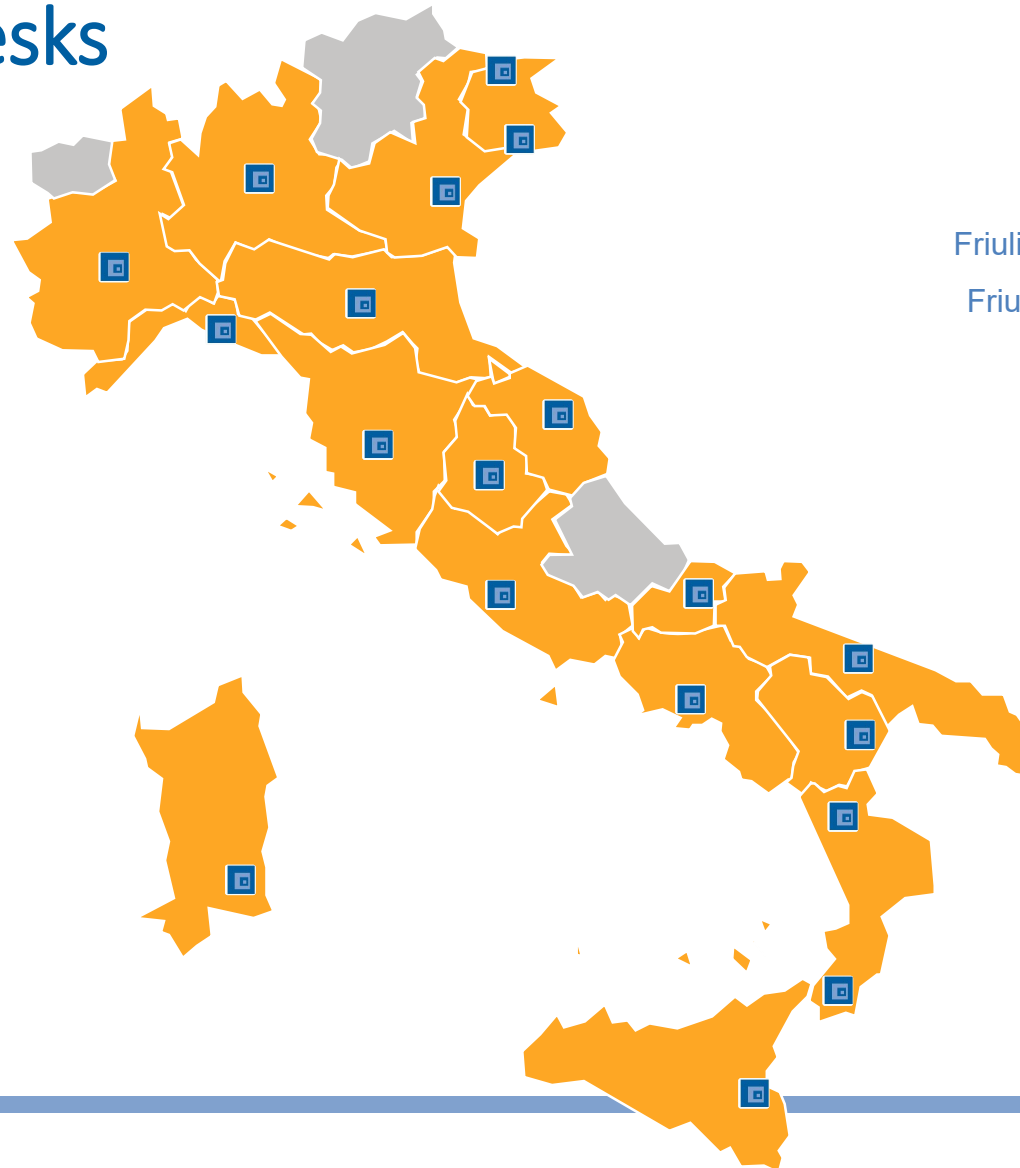


APRE Helpdesks

To strengthen the cooperation at
local level,

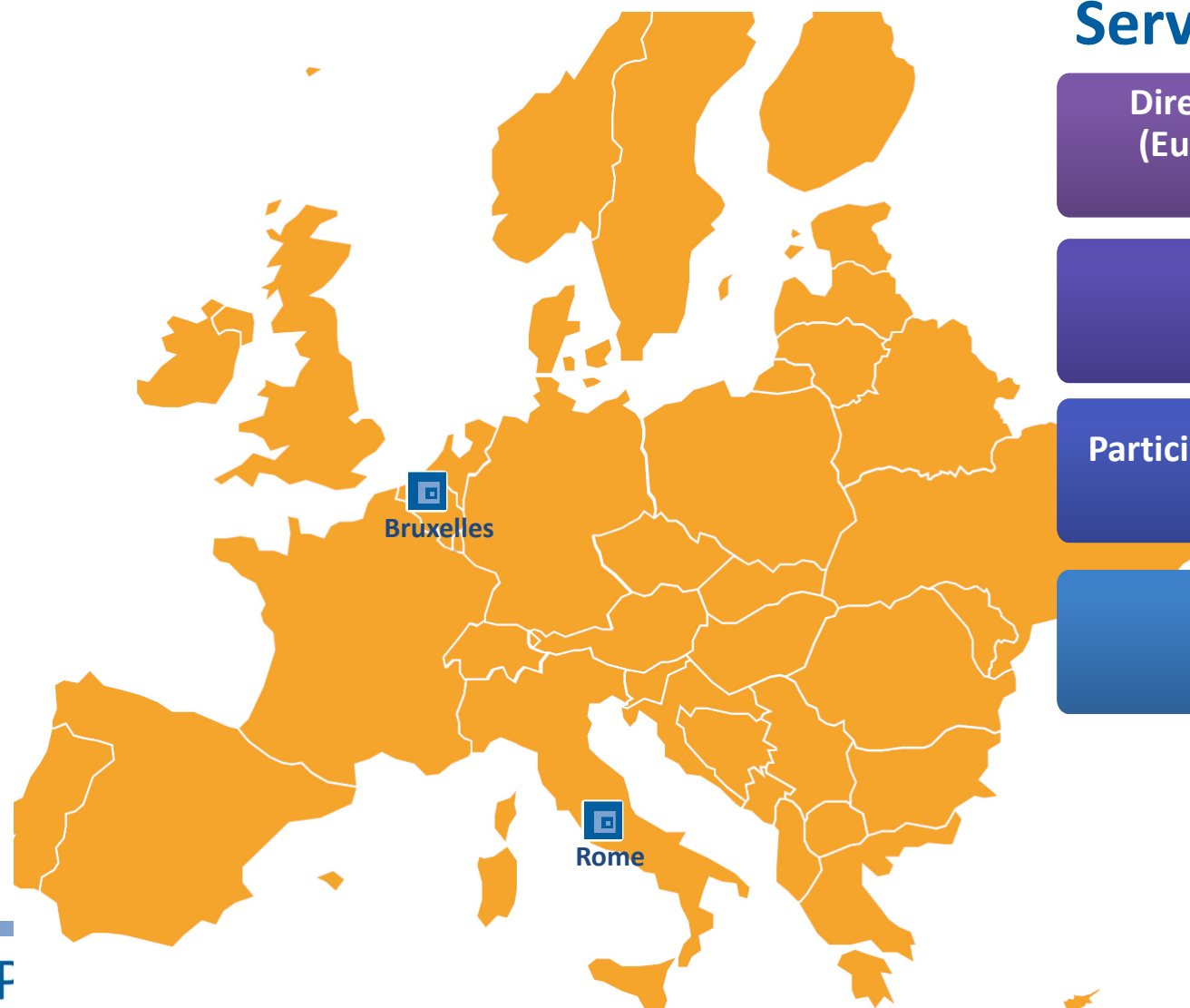


to provide tailored services
responding to local needs
(+ regional funds and programmes)



Basilicata
Calabria
Campania
Emilia Romagna
Friuli Venezia Giulia (Trieste)
Friuli Venezia Giulia (Udine)
Liguria
Lombardia
Marche
Molise
Piemonte
Puglia
Sardegna
Sicilia
Sportello dello stretto
(R. Calabria - Messina)
Toscana
Umbria
Veneto

APRE LIASON OFFICE



Services

Direct link with international stakeholders
(European Institutions, liaison offices and
research bodies , others)

Advocacy activities

Participation to EU events and information days
(on their behalf, if needed!)

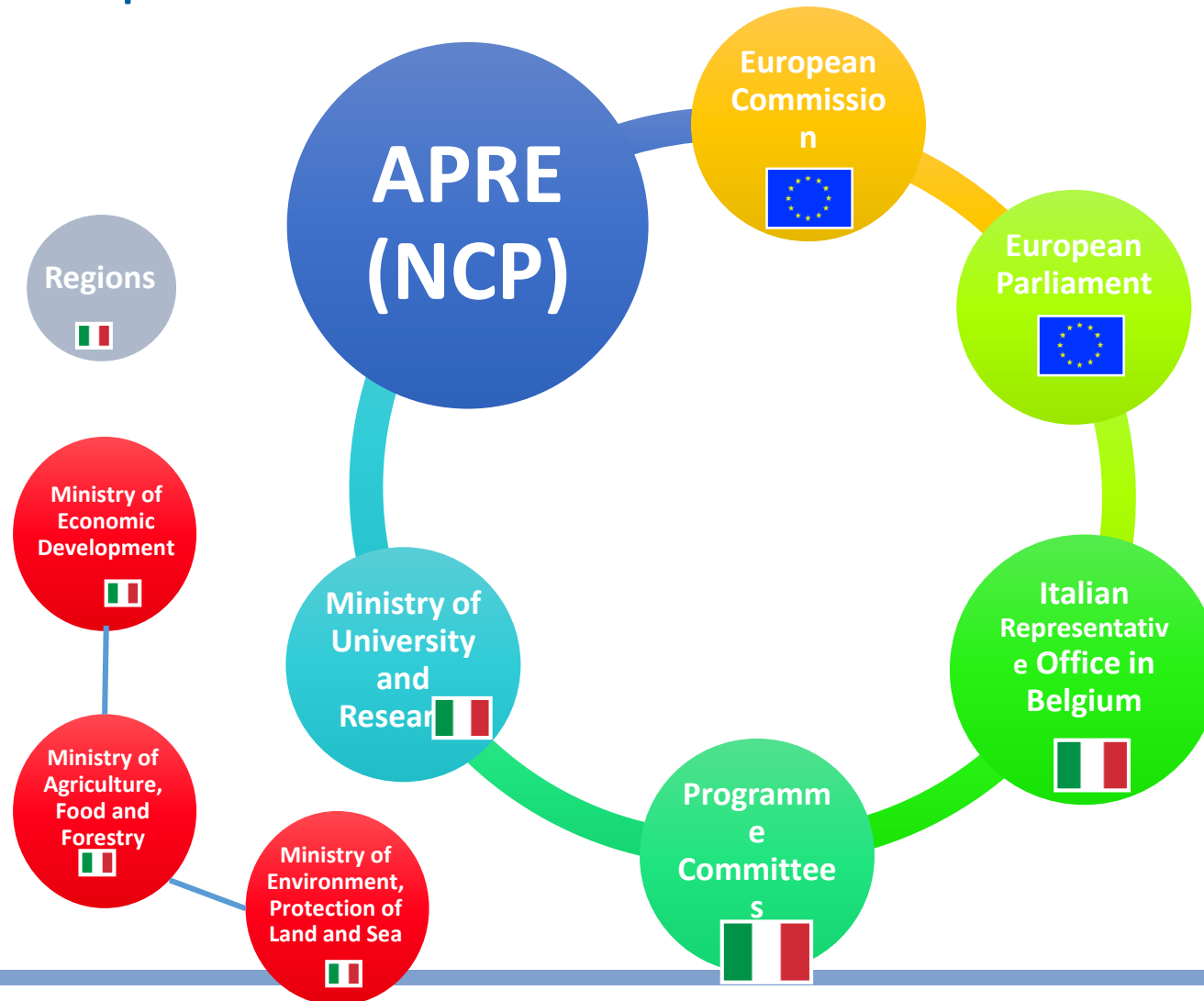
Working groups/dossiers

APRE LIASON OFFICE in Brussels

- ❑ In Brussels APRE has a branch located in a joint office with main Research institutions in Italy.
- ❑ Some of its main activities are: business intelligence, analysis of the developments in the European R&I system.
- ❑ APRE Brussels branch is also engaged in policy actions, in line with the interests of the Italian research community.



Institutional partners



Horizon 2020 and Circular Economy

In Societal Challenge 5

What is Horizon 2020?

- H2020 is the EU funding programme supporting Research and Innovation (R&I).
- It is aimed at creating smart, sustainable and inclusive economic growth by taking great ideas from the lab to the market.
- It is open to participation by organisations from all over the world.
- It makes almost €77 billion of funding available over 7 years (2014 to 2020).
- It couples research to innovation, focusing on three key areas: excellent science, industrial leadership and societal challenges.

Horizon2020 main structure

Excellent science

- **European Research Council**
Frontier research by the best individual teams (ERA)
- **Future and Emerging Technologies**
Collaborative research to open new fields of innovation
- **Marie Skłodowska Curie Actions**
Opportunities for training and career development
- **Research Infrastructures (Including e-infrastructure)**
Ensuring access to world-class facilities

Industrial leadership

Leadership in enabling and industrial technologies

- **ICT**
- **Nanotechnologies materials, biotechnologies, manufacturing**
- **Space**
- **Access to risk finance**
Leveraging private finance and venture capital for research and innovation
- **Innovation in SMEs**
Fostering all forms of innovation in all types of SMEs

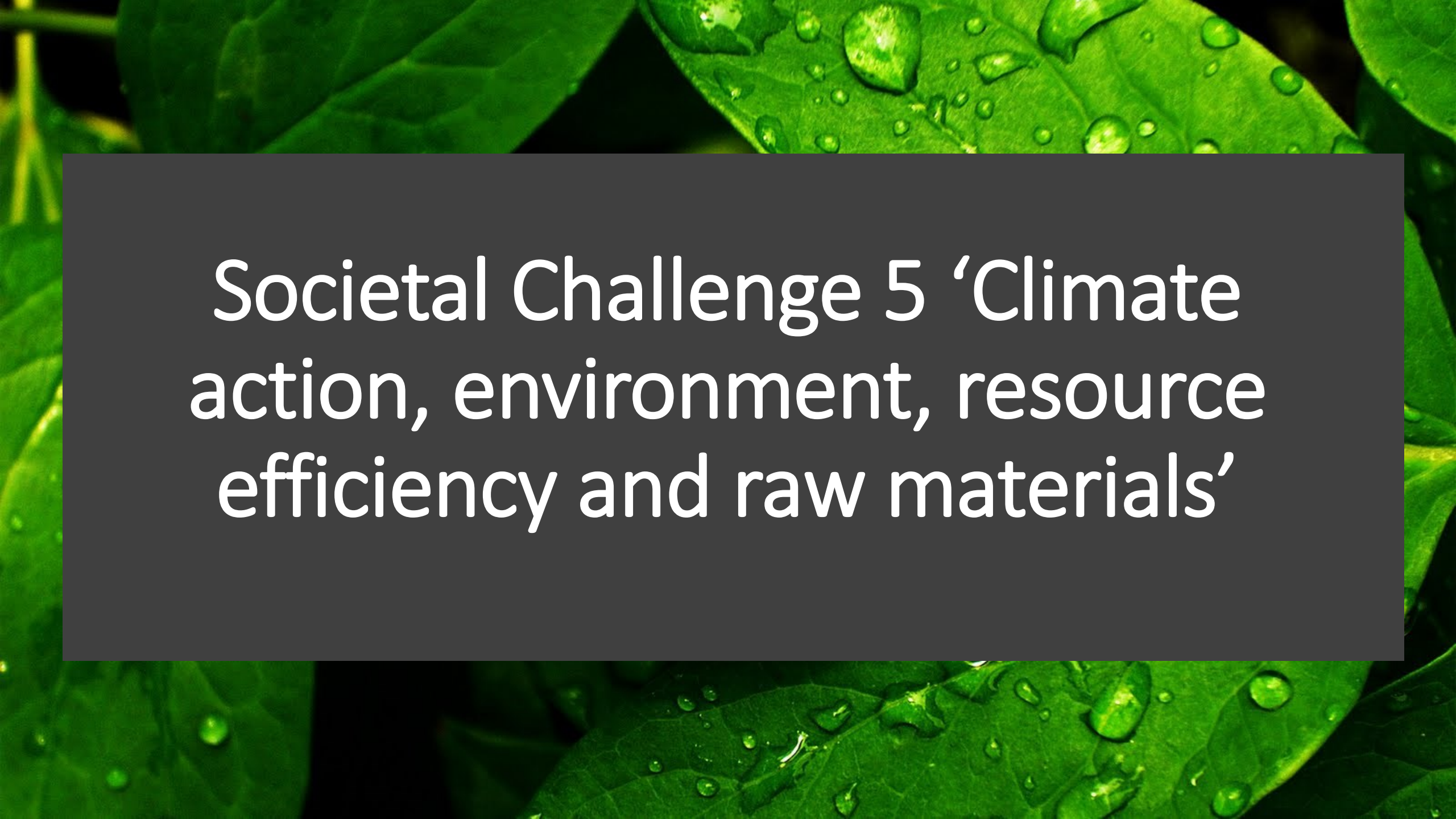
Societal Challenges

- **Health, demographic change and wellbeing**
- **Food security, sustainable agriculture, marine and maritime research, and the bio-economy**
- **Secure, clean and efficient energy**
- **Smart, green and integrated transport**
- **Climate action, resource efficiency and raw materials**
- **Europe in a changing world – inclusive, innovative, reflective societies**
- **Secure Societies**

Nuovo

European Innovation Council (EIC)

European Institute of Innovation and Technologies (EIT)

A close-up photograph of vibrant green leaves, likely from a plant like basil, covered in numerous clear water droplets. The droplets are of various sizes and are scattered across the surface of the leaves, which show prominent veins. The background is dark, making the green leaves and white text stand out.

Societal Challenge 5 'Climate action, environment, resource efficiency and raw materials'

Societal Challenge 5 'Climate action, environment, resource efficiency and raw materials' - Work Programme 2018-2020

Focus

Transizione ad un'economia più verde, efficiente sul piano delle risorse e resiliente al cambiamento climatico.

Supporto ai Sustainable Development Goals delle Nazioni Unite e agli obiettivi dell'Accordo di Parigi su COP21.

Call

1. "Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement"

2. "Greening the economy in line with the Sustainable Development Goals"

Info

Budget indicativo tot '18-'20 = 1.1 miliardi euro

Apertura topic 2019 = 14/11/2018

Call "Greening the economy in line with the Sustainable Development Goals"

- ✓ Economia Circolare
- ✓ Materie prime
- ✓ Acqua
- ✓ Innovare le città per la sostenibilità e la resilienza
- ✓ Osservazione della Terra;
- ✓ Nature-based solutions,
- ✓ Riduzione dei rischi di disastro
- ✓ Contabilità e valutazione economica del Capitale Naturale
- ✓ Patrimonio culturale

Budget in 2018: €219.7 milioni

€ Focus Area 'Connecting economic and environmental gains – the Circular Economy'

Focus Area 'Connecting economic and environmental gains – the Circular Economy'

- Copre tutte le azioni a supporto della politica sull'economia circolare contenute nel WP2018-20;
- Integra produzione, consumo, gestione dei rifiuti e materie prime;
- Mira ad assicurare che la crescita non richieda più un consumo crescente di risorse, energia, acqua e materie prime primarie.
- Mira ad aumentare la competitività dell'industria europea.

Budget totale indicativo (2018-20): 940 milioni di euro

SDGs:



2019 calls for proposals

Call for proposals	Title	Action type	Budget (EUR Mil)
CE-SC5-04-2019	Building a water-smart economy and society	IA*	72
CE-SC5-07-2018-2019-2020	Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes	IA	30
CE-SC5-08-2018-2019-2020	Raw materials policy support actions for the circular economy	CSA*	3

* Innovation Action

* Coordination and Support Action

CE-SC5-04-2019:

Building a water-smart economy and society (IA)

Sfida specifica:

- Rendere disponibili risorse idriche di varia qualità, per varie funzioni e per molteplici utenti;
- Sfruttare meglio le risorse idriche e tutte le sostanze di valore che si possono ottenere attraverso il trattamento delle acque reflue ed il processo di riutilizzo.
- Condurre attività di testing e di deployment in ambienti operativi

Scope:

Le azioni dovrebbero dimostrare la fattibilità di un'economia e di una società «water-smart» in cui tutte le risorse idriche disponibili, comprese le acque superficiali, sotterranee, le acque reflue e le acque di processo, sono gestite in modo da:

- evitare la scarsità e l'inquinamento idrici,
- aumentare la resilienza ai cambiamenti climatici,
- gestire adeguatamente i rischi legati all'acqua
- assicurare che tutte le sostanze preziose ottenibili dai processi di trattamento delle acque reflue vengano recuperate.

Deadlines: 19 Feb 2019 (1° Stage) + 04 Sep 2019 (2° Stage)
Suggested EU contribution: EUR million 10 - 15

CE-SC5-07-2018-2019-2020:

Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes (IA)

Sfida specifica:

- Fare uno scale up delle tecnologie di produzione delle materie prime più promettenti e dimostrare che le materie prime possono essere prodotte in modo innovativo e sostenibile

Scope:

- Le azioni dovrebbero sviluppare e dimostrare progetti pilota innovativi per la produzione sostenibile di materie prime non energetiche e non agricole provenienti da fonti primarie e / o secondarie in UE
- 4 sotto-topic:
 - Lavorazione e raffinazione sostenibile di materie prime primarie e / o secondarie
 - Riciclaggio delle materie prime da prodotti a fine vita
 - Riciclaggio di materie prime dagli edifici
 - Sistemi di smistamento avanzati per il riciclaggio ad alte prestazioni di prodotti complessi al termine del ciclo di vita

Deadlines: 19 Feb 2019 (1° Stage) + 04 Sep 2019 (2° Stage)
Suggested EU contribution: EUR million 8 - 13

CE-SC5-08-2018-2019-2020:

Raw materials policy support actions for the circular economy (CSA)

Sfida specifica:

- Approvvigionamento delle materie prime più responsabile in linea con le crescenti aspettative dei consumatori, della società civile, dei governi e degli acquirenti.

Scope:

Le azioni dovrebbero:

- creare una piattaforma globale per le imprese e le parti interessate atta allo scambio di informazioni ed alla promozione di un approvvigionamento e di una condotta aziendale responsabili
- Coinvolgere nella piattaforma esperti e stakeholder internazionali chiave.
- Impegnare partner governativi e aziendali dell'UE e dei Paesi Terzi nello sviluppo di un concetto globalmente accettabile di approvvigionamento responsabile delle catene del valore dei minerali e dei metalli.

Deadlines: 19 Feb 2019

Suggested EU contribution: up to EUR million 3

Partner Search tool / Matching tool

– NCPs CaRE



Partner search tool

Attention - Re-launch of Partner Search Tool October 2017

In view of the European Commission launching new Horizon 2020 work programmes for 2018-2020 - the partner search service of the Horizon 2020 NCP network projects NMP TeAm, NCPs CaRE and C-Energy 2020 have improved their services for you! These entail the following and will be effective from **16 October 2017 onwards**:

- Common registration level for the three activities. This will allow registered users to enter partner searches and offers on call topics of all the activities. Which means, that a registrant only needs to fill in his/her profile once and can still choose the specific database of interest.
- Topic specific deadlines to avoid entries on already closed calls for proposals.
- General overhaul of the tool

Partner Search - Partner Offer – How does it work?

This partnering tool supports potential applicants for the Horizon 2020 Work programme of the **Societal Challenge 5 "Climate action, environment, resource efficiency and raw materials"** in finding partners and building a consortium for a project proposal.

The partnering tool helps you to find cooperation possibilities within the work programme for the **topics in 2018 and 2019 of the Societal Challenge 5**. It can be used in the following ways:

User Login

Email

Password

Forgotten your password?

[Please click here.](#)

Login

- [Registration](#)

Partner search

- [Partner Search Home](#)
- [Search Entries](#)
- [Search Profiles](#)
- [List Entries Offer](#)
- [List Entries Search](#)
- [Other NCP partner search tools](#)

partnersearch.ncps-care.eu

Grazie!

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