



# EU and possibilities for collaborative materials research

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# Agenda



# Horizon Europe

## Pillar 1

*Excellent Science*

European Research Council

Marie Skłodowska-Curie  
Actions

Research Infrastructures

## Pillar 2

*Global Challenges and European  
Industrial Competitiveness*

- 1) Health
- 2) Culture, Creativity and Inclusive Society
- 3) Civil Security for Society
- 4) Digital, Industry and Space
- 5) Climate, Energy and Mobility
- 6) Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

## Pillar 3

*Innovative Europe*

European Innovation  
Council

**EIC Accelerator**

European Innovation  
Ecosystems

European Institute of  
Innovation and  
Technology

# Agenda



## APRIL

Work program published

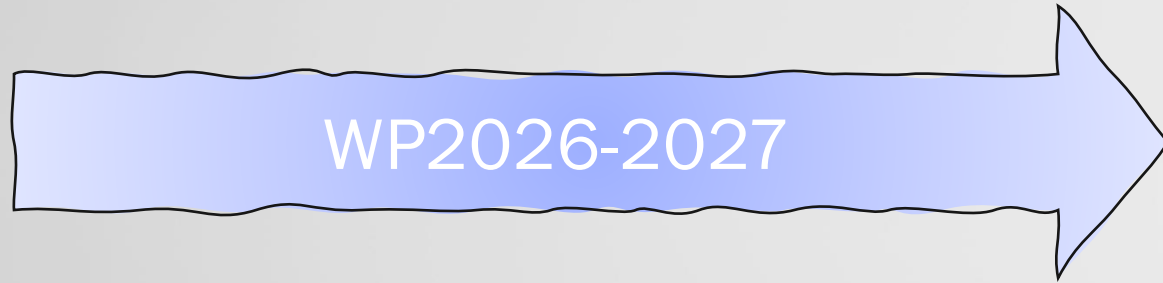
## MAY

Comission information days

Partnerships often follow  
their own schedule



# Status Coming Work Programs



DECEMBER



2027 ?



# Agenda



# Eu competitiveness compass 2025-2027

Innovation Gap  
Decarbonisation  
Independency



# Timeline Key Actions

26 FEBRUARY

Q1 2025

- AI Factories Initiative
- Clean Industrial Deal and an Action Plan on Affordable Energy
- The White Paper on the Future of European Defence
- Preparedness Union Strategy
- Internal Security Strategy
- Omnibus simplification and definition of small mid-caps
- Union of Skills

Q2 2025

- Start-up and Scale-Up Strategy
- New State Aid Framework
- European Savings and Investment Union

Q3 2025

- Space Act
- Sustainable Transport Investment Plan

Q4 2025

- Quantum Act
- Digital Networks Act
- Industrial Decarbonisation Accelerator Act

2025

- Carbon Border Adjustment Mechanism Review
- Critical Medicines Act
- MFF, including Competitiveness Fund

Q4 2026

- Circular Economy Act

2026

- 28th regime - 28th regimes are proposed legal frameworks of [European Union](#) rules which do not replace [member states'](#) own national rules but are an optional alternative to them.
- European Research Area Act
- Advanced Materials Act
- Revision of directives on Public Procurement
- Revision of the Standardisation Regulation

# Great News

Swedish people are the most positive towards science and technology in EU.



# Agenda

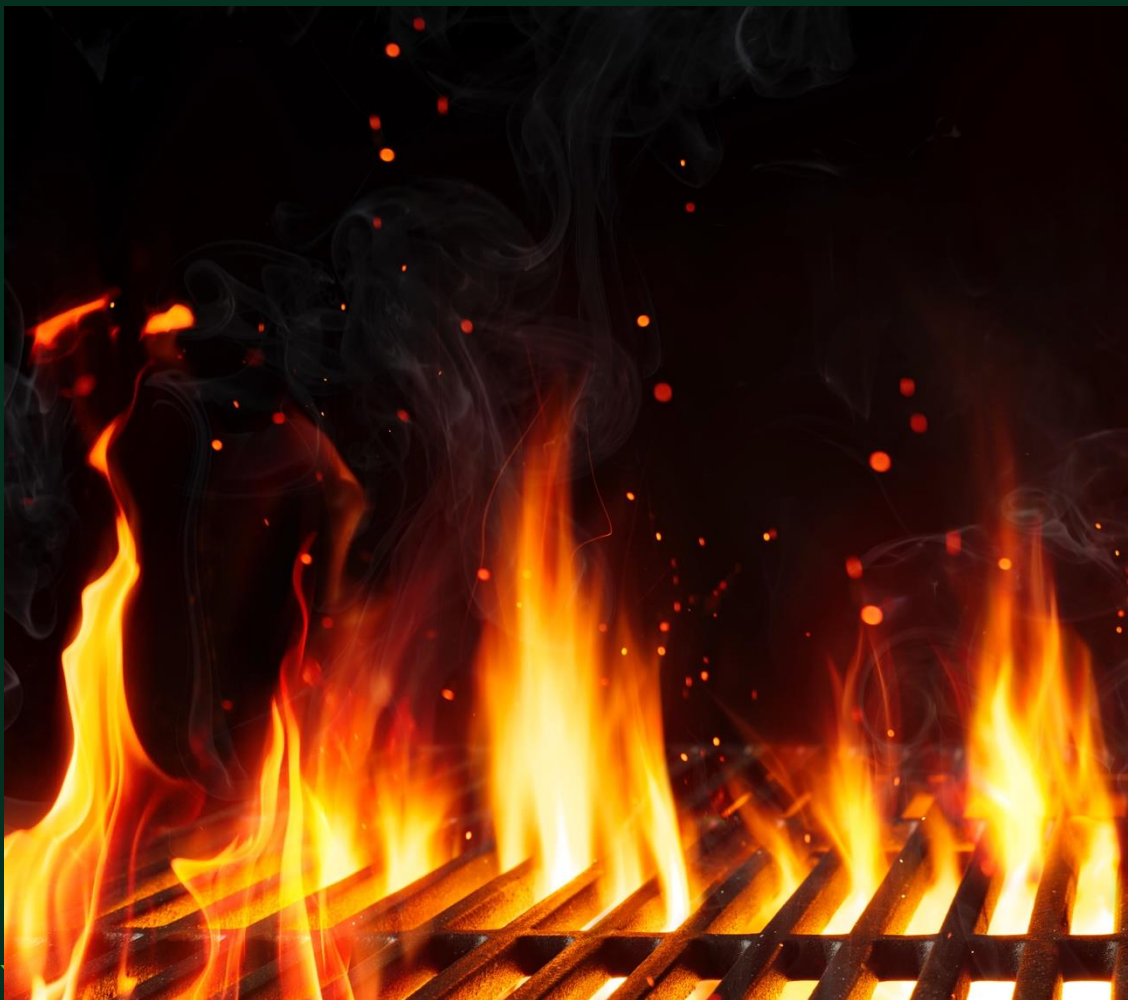


# Circularity / Recyclability



Circular BioBased Europe  
Built4People  
BAT4EU  
Chips JU  
Clean Aviation JU

# Partnerships with research in Reduced Carbon Footprint



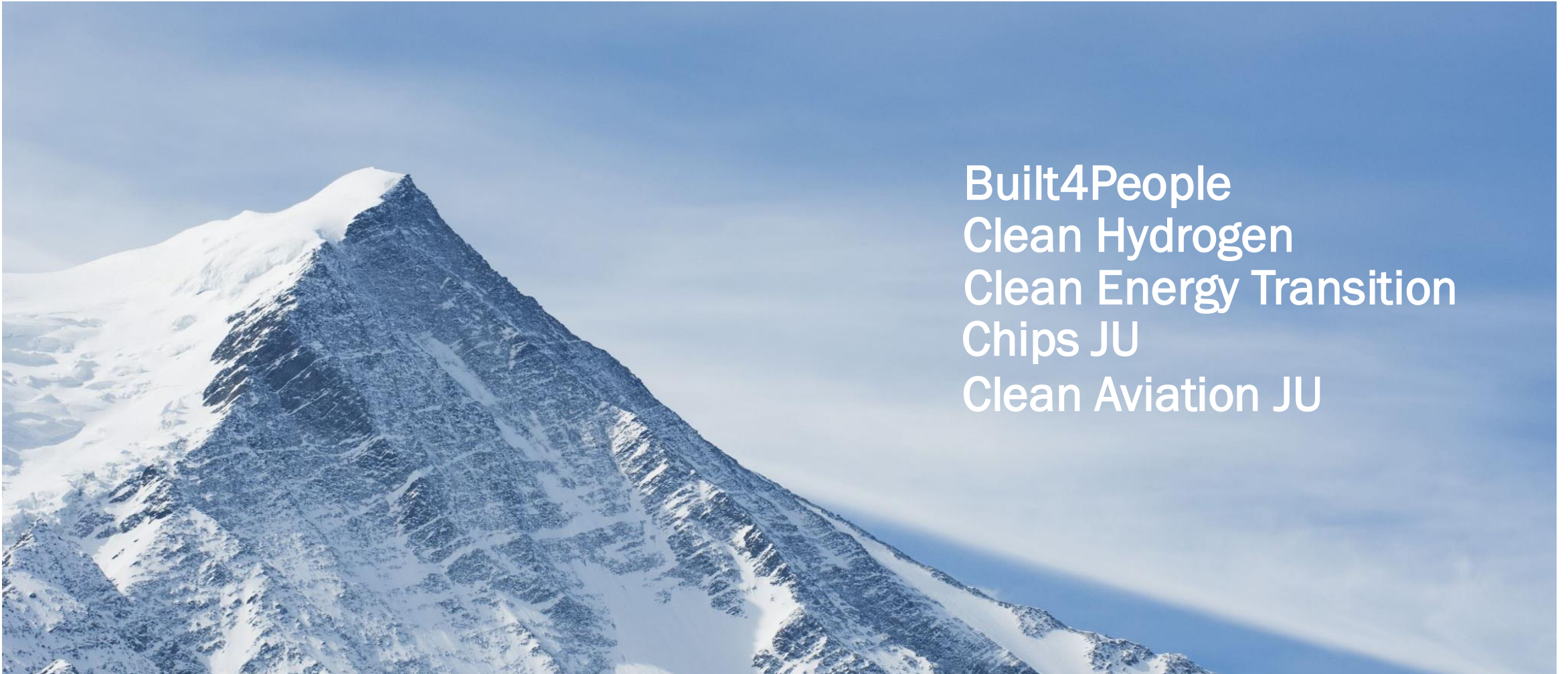
Circular BioBased Europe  
Built4People  
BAT4EU  
Clean Hydrogen  
Clean Energy Transition  
Chips JU  
Clean Aviation JU

# Partnerships with research in Self Healing



Built4People  
BAT4EU  
Chips JU  
Clean Aviation JU

# Partnerships with research in Durability



Built4People  
Clean Hydrogen  
Clean Energy Transition  
Chips JU  
Clean Aviation JU

# Partnerships with research in Self Monitoring



Built4People

Chips JU

Clean Aviation JU



# Partnerships with research in Thermal Functionality



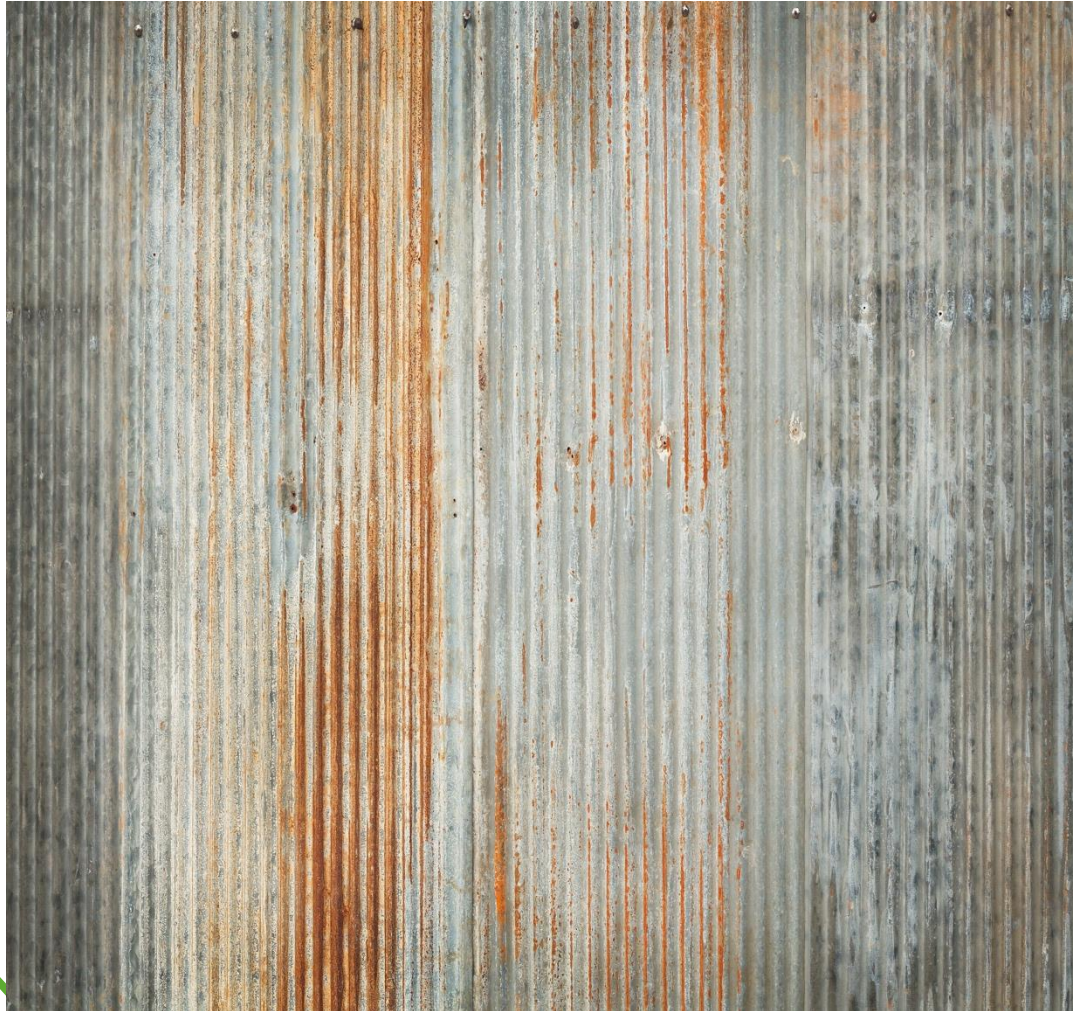
Built4People

Chips JU

Clean Aviation JU

# Partnership with material research

## Resilience



**Built4People**

**Clean Hydrogen**

**Clean Aviation JU**

# Partnerships with research in Lightweight



Built4People  
Clean Hydrogen  
Chips JU  
Clean Aviation JU

# Partnerships with research in Hazardous Materials



HEALTH  
HAZARD



HARMFUL/  
IRRITANT



DANGEROUS FOR  
THE ENVIRONMENT



COMPRESSED  
GAS



OXIDIZING



TOXIC



FLAMMABLE



CORROSIVE



EXPLOSIVE

BAT4EU  
Clean Hydrogen  
Chips JU

# Partnerships with research in Power densities, Charging, Cyclability

BAT4EU



# Partnerships with research in Critical Raw Materials

Circular BioBased Europe  
Built4People  
BAT4EU  
Clean Hydrogen  
Chips JU  
Clean Aviation JU



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## #AdvancedMaterials

Advanced materials are engineered materials with innovative properties and functionalities that are key for the green and digital transition



European  
Commission

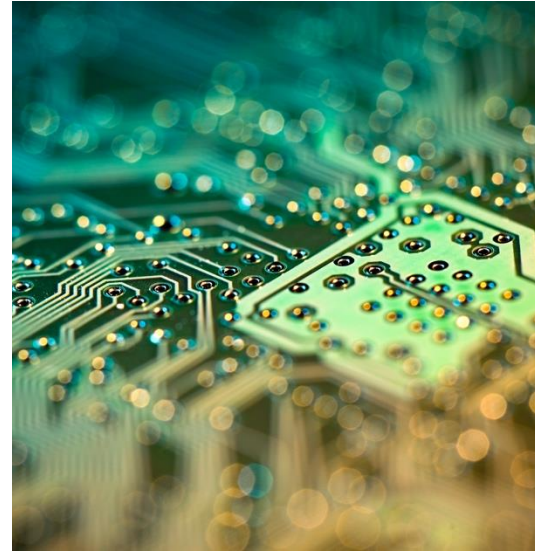
# FOCUS AREAS



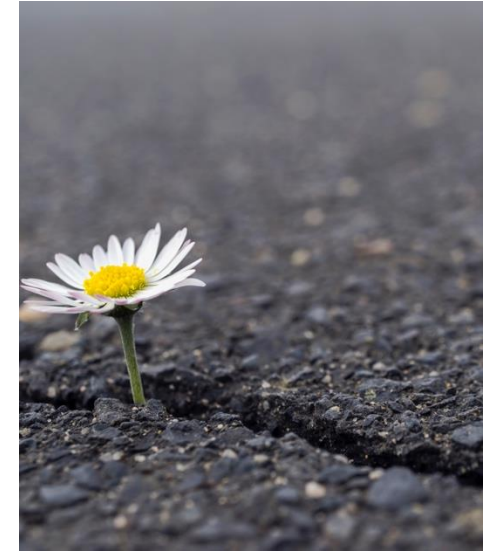
**ENERGY**



**MOBILITY**



**ELECTRONICS**



**CONSTRUCTION**

**New challenges might be added**



# GENERIC QUESTIONS FOR MATERIALS



Materials commons



Tech infrastructure



SSbD



Training



Standardisation

# More information

- Circular Bio-Based Europe Joint Undertaking: Aims at advancing competitive circular bio-based industries in Europe. <https://www.cbe.europa.eu/>
- Built4People: Brings together the whole value chain to accelerate people-centric innovation for a sustainable built environment. <https://built4people.eu/>
- BATT4EU: Aims to achieve a competitive and sustainable European industrial value-chain for e-mobility and stationary applications. <https://bepassociation.eu/>
- Clean Hydrogen Joint Undertaking: Contribute to EU Green Deal and Hydrogen Strategy through optimised funding of R&I activities. [https://www.clean-hydrogen.europa.eu/index\\_en](https://www.clean-hydrogen.europa.eu/index_en)
- Clean Energy Transition: To boost and accelerate the energy transition and to support the implementation of the European Strategic Energy Technology Plan (SET Plan). <https://cetpartnership.eu/>
- Chips Joint Undertaking: Empowering Europe's Semiconductor Future by uniting innovation and driving progress. <https://www.chips-ju.europa.eu/>
- Clean Aviation Joint Undertaking: Transforming aviation towards a sustainable and climate neutral future. <https://www.clean-aviation.eu/>

# Agenda



# Planning grants – promoting international applications

## Planning grant for international proposal 2025

### Several opportunities 2025

Do you want to make better project applications and increase the opportunities for funding through international calls for proposals? Then this is a offer for you. With a planning grant, you can work in a project to develop a competitive proposal with Swedish participation to an international call for proposals.





**Projects are not the  
only way to contribute**

Give feedback to questions on the EU portal

Volunteere as an evaluator

Encourage colleagues to step forward

**Talk to people here today**

# Thank you!



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Sweden's Innovation Agency