



Raw Materials in Horizon Europe

Materias primas en Horizonte Europa

Jornada Informativa Convocatorias y Programa de Trabajo 2021-2022

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*GROW i1 – Energy Intensive Industries
and Raw Materials*

Raw Materials in Horizon 2020 (2014-2020)

~ EUR 600 mln budget

Exploration	9 projects	EUR 55 mln
Extraction	17 projects	EUR 146 mln
Processing	23 projects	EUR 191 mln
Substitution	6 projects	EUR 36 mln
Reuse, recycling, recovery	10 projects	EUR 97 mln
Policy support	24 projects	EUR 48 mln

Sample topic:

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

TOPIC ID:

CE-SC5-07-2018-2019-2020

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ce-sc5-07-2018-2019-2020;callCode=H2020-SC5-2018-2019-2020;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=31094501,31094502,31094503;programmePeriod=null;programCcm2Id=31045243;programDivisionCode=31047972;focusAreaCode=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=submissionStatus;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

EU Action Plan on Critical Raw Materials

- 1 Launch the European Raw Materials Alliance
- 2 Develop sustainable financing criteria for mining
- 3 Develop R&I on waste processing, advanced materials and substitution
- 4 Map the potential supply of secondary CRM from EU stocks and wastes
- 5 Identify investment needs for mining projects that can be operational in 2025
- 6 Develop expertise and skills in mining
- 7 Deploy Earth observation programmes for exploration, operation and post-closure environmental management
- 8 Develop R&I projects on exploitation and processing of CRMs
- 9 Promote responsible mining practices for CRMs
- 10 Develop strategic international partnerships to secure CRMs supply

Raw Materials in Cluster 4

Three **policy objectives**
will be pursued across the cluster, in synergy with other EU instruments and initiatives:

1

Ensuring the competitive edge and autonomy of EU industry

2

Fostering climate-neutral, circular and clean industry

3

A major contribution to inclusiveness

10 Key R&I Orientations

9

Circular Industries

10

Low-carbon and Clean Industries

EU Action Plan on Critical Raw Materials

Action 3

Launch critical raw materials research and innovation in 2021 on **waste processing**, **advanced materials** and **substitution**

Action 4

Map the potential **supply of secondary** critical raw materials from EU stocks and wastes and identify viable recovery projects by 2022

Action 7

Deploy **Earth-observation** programmes and **remote sensing** for resource exploration, operations and post-closure environmental management

Action 8

Develop Horizon Europe R&I projects on processes for **exploitation** and **processing** of critical raw materials to **reduce environmental impacts** starting in 2021

Action 9

Develop strategic **international partnerships** to secure a diversified and sustainable supply of critical raw materials

Action 10

Promote **responsible mining** practices for critical raw materials

Raw Materials topics in 2021*

1	Innovation for responsible EU sourcing of primary raw materials, the foundation of the Green Deal
2	Building innovative value chains from raw materials to sustainable products
3	Sustainable and innovative mine of the future
4	Reducing environmental footprint, improving circularity in extractive and processing value chains
5	Building EU-Africa partnerships on sustainable raw materials value chains
6	Identifying future availability of secondary raw materials
7	Developing climate neutral and circular raw materials

*Draft Work Programme, March 2021

Raw Materials topics in 2022*

1	Monitoring and supervising system for exploration and future exploitation activities in the deep sea
2	Technological solutions for tracking raw materials flows in complex supply chains
3	Earth observation technologies for the mining life cycle in support of EU autonomy and transition to a climate neutral economy
4	Developing digital platforms for the small scale extractive industry
5	Streamlining cross-sectoral policy framework throughout the extractive life-cycle in environmentally protected areas
6	Innovative solutions for efficient use and enhanced recovery of mineral and metal by-products from processing of raw materials

*Draft Work Programme, March 2021

Thank you



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