

Horizon Europe 2021 Call factsheet



Innovation for responsible EU sourcing of primary raw materials, the foundation of the Green Deal (RIA)

Projects will enable achieving the expected impacts of the destination by increasing access to primary raw materials, in particular critical raw materials for EU industrial value chains and strategic sectors.

Scope:

- Generating better geological understanding (i.e. characterization, modelling, mapping) of known mineral deposits to identify critical minerals resources and inform discovery of new resources;
- Developing new genetic models for ore deposit types that host critical minerals in order to identify areas for exploration, especially in previously overlooked regions;
- Deploying innovative geological, geophysical, geochemical, and data analysis approaches including modelling techniques (e.g. data analysis, remote sensing) to elucidate the geological history and structure and models of targeted spatial areas of targeted areas and to guide more environmentally friendly exploration for critical minerals, limiting impacts on biodiversity.

Topics:

- Improve knowledge base of EU and third country critical raw materials to identify new areas for exploration and resource estimation;
- Promote the utilisation of UNFC (United Nations Framework Classification for Resources) and UNRMS (United Nations Resource Management System) reporting standards in the raw materials sector;
- Accelerate development of EU domestic raw materials exploration projects integrating innovative technologies that can form the basis for new EU SMEs;
- Strengthen EU autonomy and ethical sourcing of raw materials by developing socially and environmentally acceptable means of discovery and production of primary critical raw materials.



Horizon Europe

The indicative budget for this category is EUR 30.00 (Million).

Reference:

HORIZON-CL4-2021-RESILIENCE-01-06

Research and Innovation

Opening: 22 June 2021

Deadline: 23 September 2021

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Countries



EU member states, associated countries, OECD countries, African Union Countries, and MERCOSUR, CARIFORUM, and Andean Community.

Technology



*Remote sensing, Ai, Algorithms
Data analysis
ground truth analytics*

Activities



*Innovation management
Programming
Promotion
Deployment*

Contact



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