



RawMaterials

Connecting matters

EIT RawMaterials Thematic scope for targeted ideas to idea competition February 2019 Sweden

Europe is home to world leading manufacturing industries, game changing innovative technologies and an entrepreneurial infrastructure that can enable the transition to a resource efficient, sustainable, society as envisioned in the EU 2020 agenda. A sustainable supply of mineral resources (metals, construction material) is vital for the development of these core industrial activities and their long-term economic success. However, Europe has become highly dependent on imports of these mineral resources, particularly critical raw materials, which is a key threat to future business in Europe.

1.1. EITRawMaterials Targeted Thematic scope

Through activities in the area of Business creation and Support EIT RawMaterials aims to support new businesses that develop raw materials into a major strength for Europe along the whole material value chain as follows:

1. **Exploration** and raw materials resource assessment
2. **Mining** in challenging environments
3. Increased resource efficiency in **mineral and metallurgical processes**
4. **Recycling** and material chain optimisation for End-of-Life products
5. **Substitution** of critical and toxic materials in products and for optimised performance
6. Design of products and services for the **circular economy**

In particular, the supply of a **range of ores and metals** is the main target of the EIT RawMaterials innovation community. Bio-based and polymer materials will be considered only in view of their substitution potential of critical and toxic materials and for optimized performance or for multi-material product recycling. **Petrochemical raw materials, food/agricultural raw materials and construction materials are excluded.**

EIT RawMaterials activities in the area of Business creation and Support seeks to boost innovative Start-Ups and SMEs in the following themes:

1. **Exploration:** Technologies and solutions for improved and new mineral exploration. As an example, solutions could include:
 - a. *New and improved geological models, better exploration model understanding and techniques for going 3D/4D, drones, etc.*



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- e. *New lightweight composites and designs as substitutes for critical materials containing high strength steels and for optimized performance*
 - f. *Solutions that integrate new materials into a Circular Economy, for instance, technology and business that enables and builds upon the reuse and recycling of newly developed, high performance materials*
 - g. *New products, systems, and services for an optimised raw materials use, particularly with respect to mobility and energy technologies*
6. **Circular economy:** solutions and business models for the implementation of a circular economy approach: New business models for resource recovery, product Life Extension (repairing, re-manufacturing, etc.), product as a service, sharing platforms.

1.2. Conditions and terms

The idea holder or company must be situated/ have operative branch in one of the [EU Member states or Countries Associated](#).

We target mainly start-ups with less than **3 years age** or SMEs having a new product that is **less 3 years of development**, with cumulated investment less than 1 M€.

Companies already supported by EIT RawMaterials can apply but funding cannot exceed € 60 000/ year for compliance.

Idea holders without registered company are kindly invited to apply to our instrument "[Business Idea Competition](#)". SMEs with advanced product(s)/Service(s) may join [Upscaling projects](#) or may apply for membership.

For more information and question please contact:

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