

Raw Materials | Opportunities for the Greek industry and the innovation ecosystem

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Investment Potential in the EU Raw Materials Industry

8th Greek Raw Materials Community Dialogue

9.11.2023



State of Play

- **EU Agenda – Critical Raw Materials Act**
 - Green energy transition
 - Digital Transition
- **Geopolitical implications**
 - Resource Scarcity: Many critical raw materials are not evenly distributed around the world
 - Dependence on a Few Suppliers: Some countries or regions are major producers of critical raw materials
 - Trade and Export Restrictions: Countries that are major producers of critical raw materials may impose export restrictions or tariffs on these resources
- **Strategic raw materials** are extremely important for the **modern industry**

Opportunities for downstream industries and value chains

- **The availability of raw materials** (critical or not) affect the development of downstream industries
- **The opportunity for Greece**
 - Gallium and its downstream industries
 - Automobile industry
 - Medical technologies



Nurturing an ecosystem of innovation and technology

- **Technology and Innovation:** The mining industry invests in technology and innovation to improve efficiency, safety, and environmental sustainability.
- **Collaboration with universities, research institutions, and technology companies** to develop cutting-edge solutions for mineral extraction, safety, and environmental protection.
- The industry explores new materials and new technologies to solve real problems and **does not import, rather develops locally**
- **Benefits**
 - Development of skills
 - Sustainable growth of the market

A significant opportunity in R&D

- **Replacing critical raw materials with alternative alloys can offer several opportunities for various industries.**
- **Circular economy and recycling**
 - Strategic raw materials are crucial, and we should aim to recycle and reuse them efficiently.
 - Recycling from end-of-life products – redesign products to improve recycling performance
- Developing a **competitive advantage**

Improving the investment absorption capacity

- **The state**

- Regulation framework
- Investment environment

- **The industry**

- Innovate – don't import technology
- Collaborate, it's cheaper

- **The technology providers**

- Explore ways to use technology to find real solutions to real problems
- Scale up operations



In conclusion

- Current international situation presents a **major opportunity** for the materials industry in Greece
- **The Greek industry can benefit** from the new technologies that are developed to exploit the opportunities in the mining industry
- **Collaboration with universities** and startups will play a significant role
- **Proper and careful steps** are needed by all stakeholders involved
- **The benefits are significant.** For the economy and the society

Thank you!



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