

Enhancing Cross-Sectorial and Trans-Regional Cooperation

13 – 15 September 2023, Hotel Bulgaria, Burgas, Bulgaria



Strategic Industries & Critical Technologies for Europe in Cross-Cooperation with Mining & Metals Regions

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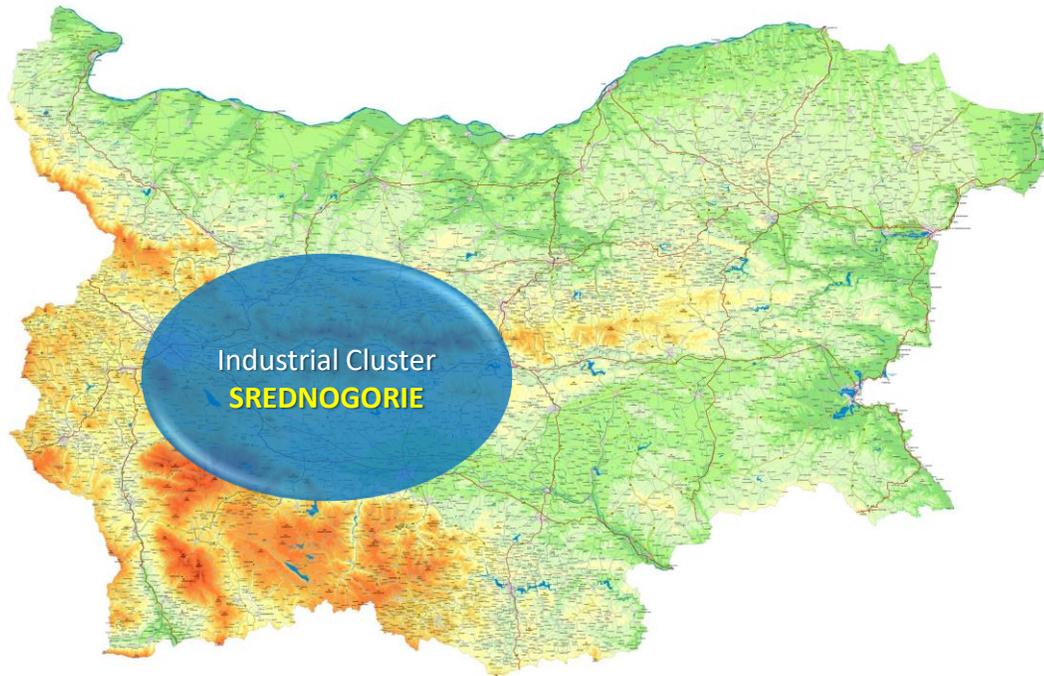


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The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101019719



- **Resources Operators**
 - Mining and Smelting of Non-Ferro and Rare Metals
- **Environmental Stewardship**
 - Environmental Challenges towards Circular Economy
- **Energy Intensive**
 - Large Scale Industrial Energy Consumers (5% of National Power Demand)
- **Critical Technologies**
 - Strategic Industry over Critical Technologies
- **Export Oriented**
 - Vertically Integrated and Export Oriented Companies
- **Economic Flagman**
 - Key Contributor to Bulgarian GDP (6%) and to Bulgarian Export (15%)



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- **Integrating the Value Chain**
 - An integration of mining operators over technology and value chain
- **Supporting Business Alliance**
 - Ecosystem development of suppliers & vendors, transport & logistics
- **Encouraging Entrepreneurship**
 - Entrepreneurial training and education, shifting cost to profit centers
- **Supporting Local Communities**
 - Transferring business knowledge & skills to public services operators
- **Environment, Social and Governance**
 - Implementing ESG measures to the Net Zero agenda
- **Creating Shared Value**
 - Simultaneously creating business and social value to stakeholders



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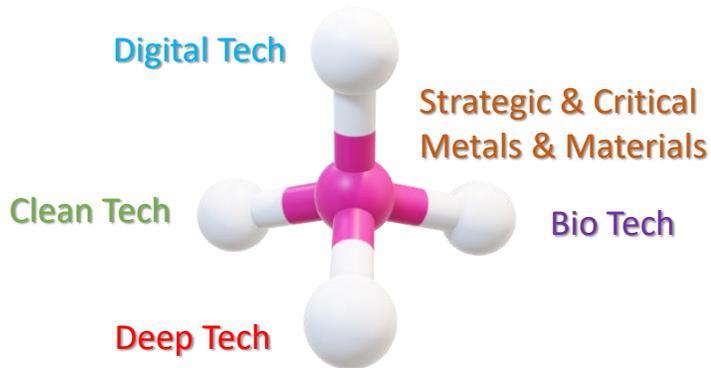
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Strategic Technologies for Europe Platform



European Commission is promoting the Strategic Technologies for Europe Platform (STEP). The STEP will reinforce and leverage existing EU instruments to quickly deploy financial support to the benefit of business investments. The STEP will also allow directing existing funding towards technology fields that are crucial for Europe's leadership, thus contributing to a level playing field for investments throughout the Single Market...



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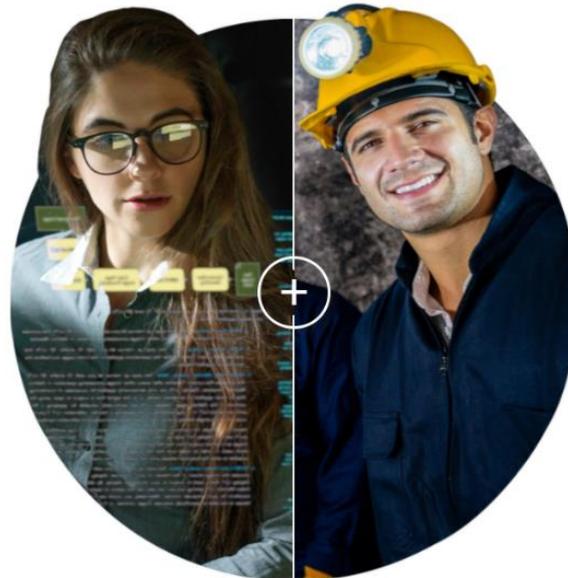
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The mining sector needs **sustainable solutions**

MINE.THE.GAP brings together **SMEs from the raw materials and mining sector** with companies that have solutions for a more **digital, greener, and circular** mining value chain. Through open calls and support services, MINE.THE.GAP makes business ideas a reality.

<https://h2020-minethegap.eu/>



Consortium

MINE.THE.GAP is brought to life by a consortium of nine cluster, one RTO and one association from seven European countries. The consortium partners bring different competences to the project and represent more than 500 SMEs and companies.



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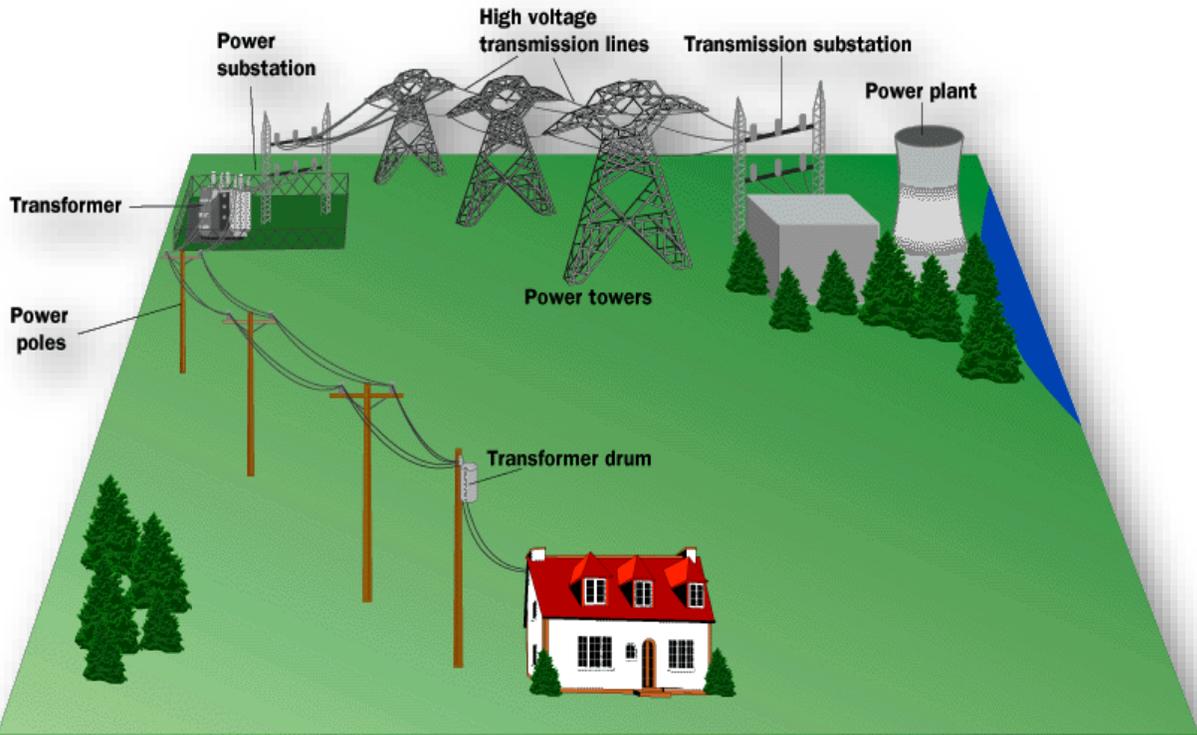


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Project funded by the European Union
under the Horizon Europe programme



Mining & Metallurgy Energy Bill: Power Supply & Finance, Trade & Invest, Renewables & ESG ...

- Mining & Smelting as energy intensive enterprises
- European Power market went through a stress-test
- Demand-side management solutions were activated
- Supply-chain and working capital liquidity financing
- Price-Caps on Power-ex volatility and compensations
- National Energy System Security Fund crucial role
- Intensifying energy efficiency measures and invest
- Investments into own photovoltaic and e-storages
- Planning development of broad Prosumer models
- Greening Power value chain to Net Zero targets...



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<p>Mining & Geology University Mining & Extracting Industries Environmental & Waters</p>	<p>Chemical Technologies & Metallurgical University Material Science Non-Ferro Metals</p>	<p>Technical University of Sofia Energy Infrastructure Manufacturing & Process Industries</p>
<p>University of Forest Engineering Landscape Architecture Environment and Forest</p>	<p>Industrial Cluster SREDNOGORIE</p>	<p>University of Architecture, Civil Engineering & Geodesy Technical Infrastructure Buildings & Facilities</p>
<p>Sofia University Clusters & Competitiveness Public-Private Partnerships</p>	<p>University of National & World Economy Regional Economy Transport & Logistics</p>	<p>National Defense Academy Critical Infrastructure Protection & Risk Management</p>



- Working with employee families & local communities
- Partnering with Professional & STEM Schools
- Working with Technical Colleges & Universities
- Associating with the R&TD Ecosystem
- Supporting Professional & Veteran Societies

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Mining & Metals Industry Career Dev. Cluster



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Funded by the European Union

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Talent Acquisition, Retaining & Development Enhancing Skills



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The project has received funding from the European Union under the Marie Skłodowska Curie Grant Agreement.



Elatsite Med



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Asarel Medet



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Dundee Precious Metals Company established a fund for financial and business support of micro, small and medium-sized businesses and entrepreneurs from Krumovgrad and Chelopech mining areas. Since 2019, when it started its activity, until now the Fund has helped to implement 50+ projects of entrepreneurs from both regions. More than 30 of them are in the completion phase. In total 100+ new jobs were created...



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**BULGARIAN
CHAMBER OF MINING
AND GEOLOGY**



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BAMI
Bulgarian
Association
of
Metallurgical
Industry



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Nikolay Minkov (retired)

Mr. Minkov is an electrical engineer with 40 years of experience in industry and mining, energy and utilities. After graduation, he spent a decade as a researcher and lecturer in process industries, energy and utilities with the Technical University of Sofia, Bulgaria. Later he established and led a Concession Department at the Council of Ministers. Next decade Mr. Minkov provided project and management consulting services to investors in Bulgaria as ADM, Aurubis, Bechtel, Berliner Wasser, Booz Allen, CEZ, EON, EVN, Heidelberg Cement, Rio Tinto, Severn Trent Water and United Utilities. Last 20 years he has served as a board member and managing director of energy and mining companies in an industrial cluster of copper and gold mining and smelting operators, communities and stakeholders. Mr. Minkov is a recognized mentor of young talents in Bulgarian industry, energy and utilities.



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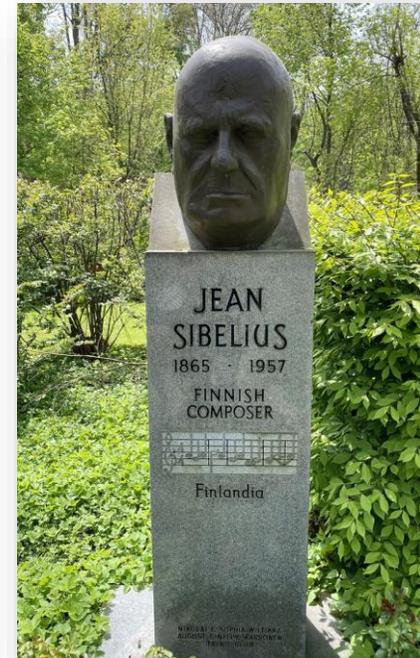
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Metal Clusters to Believe in ...

The Sibelius Monument in Helsinki

A wonderful wind to music on metals cluster in support of European humanity and peace, talents, creators and leaders' cooperation...



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Thank you for your attention
and cooperation !

Nikolay Minkov
Executive Director
Industrial Cluster Srednogie

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