



REMIX
Interreg Europe



European Union
European Regional
Development Fund

Smart funding of Regions by policy making. – Best practices from the REMIX project

Reetta Laakkonen

Project Coordinator

Regional Council of Lapland

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The Agenda

- **What was REMIX project set to accomplish**
- **Example cases from 4 partner regions:**
 1. Updating the RIS (Lower Silesia. Poland)
 2. Increasing R&D&i in the mining sector (Castilla y León, Spain)
 3. Digitalisation of the mining sector (Sterea Ellada, Greece)
 4. Building the Outokumpu mining camp into a hub of critical knowhow and expertise in mining (North Karelia, Finland)
- **The ingredients of success**
- **Final remarks**

Smart & Green Mining Regions of EU

Improving the performance of regional development policies and programmes so that they better support the R&D&i needs of the mining sector.

More specific goal in REMIX:
To enhance the sustainable mining & related industry targeting to positively impact sustainable development, growth, jobs and SME industries in the partner regions.



Smart & Green Mining Regions of EU

The different policy instruments addressed by partners were :

- Regional smart specialisation strategies (RIS3)
- Raw materials strategies
- Operational programmes
- Structural funds programmes

Based on:

- Learnings from good practices in other regions
- Interregional collaboration
- Interregional communication

The regions developed action plans to improve their chosen policy instrument which guides the funding available for R&D&i in mining



1. Updating the RIS, Lower Silesia

RIS 2011-2020

Chemical and pharmaceutical industry

Spatial mobility

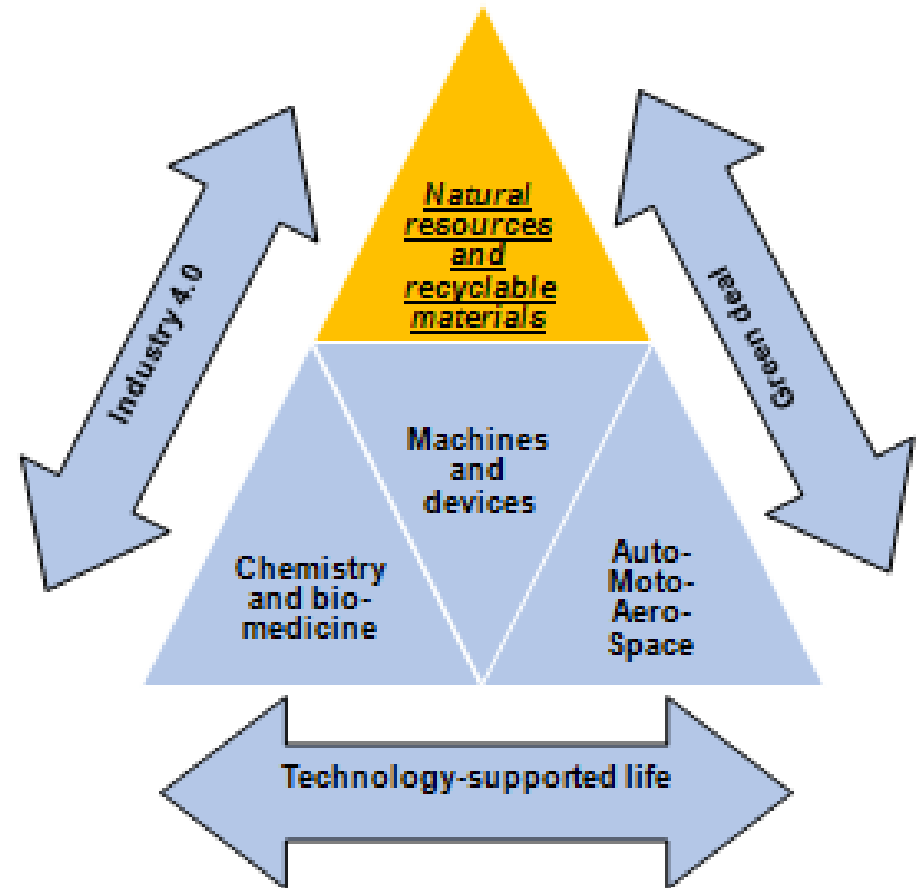
High quality food

Natural resources and recyclable materials

Manufacture of machinery and equipment, metal processing

Information and Communications Technologies

RIS 2030



2. Increasing RDi in the mining sector- Castilla y León

Action 1

Seminars of Innovation in processes and product / service design

Action 2

Technological Breakfasts to promote R&i entities – business links in research and innovation

Who are involved?

- Institute for Business Competitiveness of Castilla y León
- Universities
- Technological Centers
- Foundations
- Mining Companies from Castilla y León.

2. Increasing R&D&i in the mining sector – Castilla y León

4 types of actions:

- To deliver specific and requested (from the companies' side) information regarding new technologies applicable to the mining sector (seminars).
- To facilitate personal contacts between companies and knowledge entities in order to reach mutual confidence (technological breakfast).
- To deliver specific information about the funding possibilities (regional, national, European and international) for R&D&i projects in the mining sector (seminars and technological breakfast).
- To search participation opportunities in mining R&D&i proposals through the EEN-Enterprise Europe Network (seminars & technological breakfast).



3. Digitalisation of the Mining Sector – Sterea Ellada



- Autonomous local authority
- Plans and implements policies at regional level within its remit
- Emphasizes in the 4 Dynamic Sectors of the Partnership Agreement 2014-2020 and the Regional Smart Specialization Strategy (RIS3).

Exchange of Experience

Access to Funding



Crucial Objectives for the Metal Sector

Strengthen the competitiveness & Access European innovation networks

NTUA

engaged the Regional Authorities, Ministry representatives and the majority of Regional stakeholders/ representatives of mining and metallurgy industries, **enabling a meaningful dialogue** regarding regional R&D&I capacity and innovation support for the mining Sector.

The Region

acknowledged the importance of these outcomes.

NTUA

created a **communication link** between the Region of Sterea Ellada and other Remix European Regions and Mining and Metallurgy associations.

The Region

participates in the **S3 Platform for Industrial Modernization, Mining Industry and global Value Chains Partnership**.

3. Digitalisation of the Mining Sector – Sterea Ellada

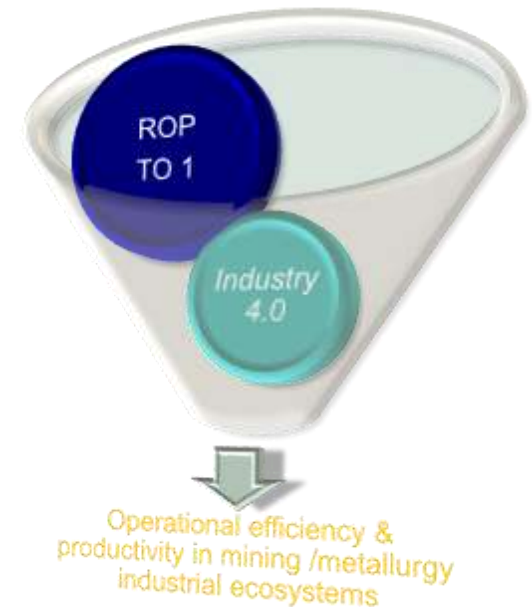
The Action Plan is focused on the “**Regional Operational Programme of The Region of Sterea Ellada**”, **Thematic Objective 1**: Enhancing research and innovation infrastructure.

✓ Objectives

Link the current policy instrument with Industry 4.0 .

Actions

- ❑ Setting up of meetings between the policy makers from the Region and the National authorities for the identification of common ground and synergies
- ❑ Mapping of the skills needed for the digitalization of needs in the region
- ❑ Activities for the promotion of industrial interest (including SMEs) for digitalization and funding opportunities
- ❑ Collaboration with EIT Raw materials- Regional Center Greece



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
Γενική Γραμματεία
Βιομηχανίας



4. Building of the Outokumpu mining camp, North Karelia

North Karelia & Lapland co-project (GloMine) is implementing the action plan of North Karelia

Focus 1: Building the international cooperation via S3 partnership in mining (lead by Business Joensuu, North Karelia)

Focus 2: Developing the cluster work – connecting the businesses into the process (lead by Digipolis, Lapland)

GloMine project advances the processes to build the Outokumpu mining camp by:

- Building content
- Seeking funding
- Supporting international cooperation in terms of building contents around common interests & finding suitable funding mixes.

The ultimate goal is to ensamble a group of projects funded from different sources - private and public to build the Outokumpu mining camp into a hub of critical knowhow & expertise in mining.

4. Building of the Outokumpu mining camp, North Karelia

Investment decisions already "in the bank":

GloMine project: 700 000€ ERDF

FinnCobalt: 2.5M from a Swedish company to finalise the feasibility study and 6.5M for capitalisation

Mintec: 36M into new operating space, equipment and renewal of the pilot plant. (2M start-up grant applied & the rest from private and public sources)

4. Building of the Outokumpu mining camp, North Karelia

Very broad cooperation

Large scale of end results

Novelty value of digital twinning



World wide
unique
Concept

Ingredients of success

The role and importance of S3/RIS3 in being able to claim EU funds.

The importance of close cooperation between the managing authorities, stakeholders and different experts.

- Stakeholders and their organisations understand that only through better cooperation they can better take care of their interest when policies are made
- On the other side the managing authorities understand that through the cooperation with the stakeholders and different experts they can better direct the funding to correct places no matter what the policy instrument is directing it: S3/RIS3, ESDF, ESF, ERDF...OP

Final remarks

All Action Plans produced in REMIX:

1. Industrial CE in Lapland 2.0 (Fin)
2. Increasing R&D&i in the mining sector (SP)
3. GloMine (Fin)
4. Updating the RIS of Lower Silesia (PL)
5. Updating the Austrian mineral resources plan (AT)
6. Industrial solutions & endogenous resources (PT)
7. Updating the states raw materials policy (CZ)
8. Adding mining sector as 1 pillar to regional industrial strategy (UK)
9. Digitalisation of the mining sector (GR)

Other publications from the project:

Financial Guide

Common scenarios on the EU mining sector



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