



An initiative of the European Union

CLUSTERS MEET REGIONS



A SUSTAINABLE APPROACH
TO RAW MATERIALS

KITTIILÄ

FINLAND | 25 · 27
APRIL 2023

EUCLUSTERS



MATCHMAKING EVENTS

#SingleMarket30





WELCOME BACK



Agenda

Session IV: Strengthening EU's critical raw materials capacities along all stages of the value chain: a coordinated effort

09:00 – 10:00 Inspirational talks

10:00 – 11:00 Debate **To synergise regional, national and European policymaking to support responsible raw material utilization in Europe - recommendations**

11:15 – 11:30 Conclusions and closing remarks

11:30 – 17:30 Site Vits

11:30– 13:00 Networking Lunch

13:30

Debate – To synergise regional, national and European policymaking to support responsible raw material utilisation in Europe - recommendations

Facilitator: **Facilitator: Benoit ESMANNE**, Policy Officer – Clusters and Industrial Forum, European Commission

- **Panagiotis Sevdalis**, Policy Officer - Innovation Policy & Access to Finance, DG RTD, European Commission
- **Carmen Sillero Illanes**, Economic and policy analyst, Joint Research Centre, European Commission
- **Mika Riipi**, County Governor of Lapland, Regional Council of Lapland
- **Santiago Cuesta López**, Executive Director, ISCM Cluster
- **Ilkka Nykänen**, Development manager, Business Joensuu - Outokumpu Mining Hub



To synergise regional, national and European policymaking to support responsible raw-material utilisation in Europe

Panagiotis Sevdalis

Policy Officer, Innovation Policy & Access to Finance
DG R&I, European Commission





New European Innovation Agenda

Flagship on accelerating & strengthening innovation in European Innovation Ecosystems across the EU and addressing the innovation divide

Create the basis for the emergence of connected regional innovation valleys across the EU, notably involving regions with a lower innovation performance, by building on strategic areas of regional strength and specialisation, in support of key EU priorities



Connected regional innovation valleys



Objective

Strong innovation ecosystems across the EU, by accelerating the development and deployment of innovation, including deep tech innovation, to address the most burning challenges facing the EU

Up to 100 regions committed to enhance coordination and directionality of their R&I investment & policies



Connected regional innovation valleys



Funding

EUR 100 million from Horizon Europe

EUR 70 million from the Interregional
Innovation Investments (I3)

Connected regional innovation valleys



Thematic scope

- Reduce reliance on fossil fuels
- Increase global food security
- Master the digital transformation (including cybersecurity)
- Improve healthcare
- Achieve circularity



Connected regional innovation valleys



How the project will look like

**Coordination &
Support Part**

Create
Interconnected
Ecosystems



Innovation Action

3-4 Interregional
Innovation projects on
specific
thematic/technological
area

Call for expression of interest to become Regional Innovation Valleys

The call for expression of interest will help interested regions to:

- Identify relevant partners, by facilitating matchmaking and interconnections among those regions who are committed towards the same objectives
- Put forward the essential commitments to be named regional innovation valleys

The call for expression of interest will remain open until 18 September 2023



Thank you!



Session IV: To synergise regional, national and European policymaking and implementation

Carmen Sillero Illanes

Policy and Economic Analyst
Joint Research Centre



Session IV: To synergise regional, national and European policymaking and implementation

Partnerships for Regional innovation

A bridge between Smart Specialisation and other EU policies to promote innovation-driven territorial transformation

Carmen Sillero Illanes

Policy and Economic Analyst

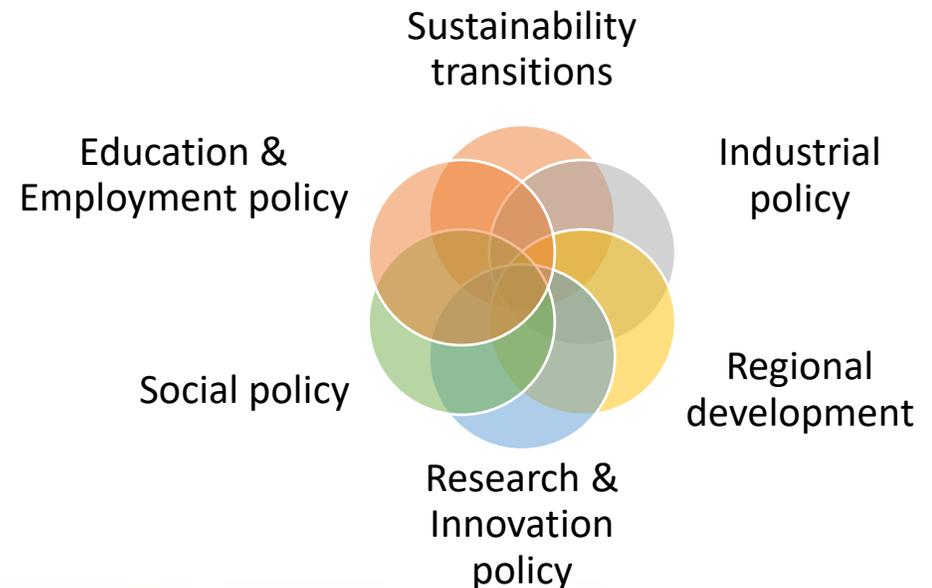
Joint Research Centre



Partnership for Regional Innovation (PRI)

A new strategic approach to innovation-driven **territorial transformation**, based on the experience on Smart Specialisation, linking **EU priorities** with national plans and **place-based** opportunities and challenges

- **To mobilise innovation funds beyond ERDF**
- To mobilise **other policies** beyond innovation funding to accelerate the green transition
- **To connect better regional and EU innovation funding initiatives**



PARTNERSHIPS FOR REGIONAL INNOVATION



Pilot

(May 2022-June 2023)

74 territories:
7 cities
63 regions
4 Member States



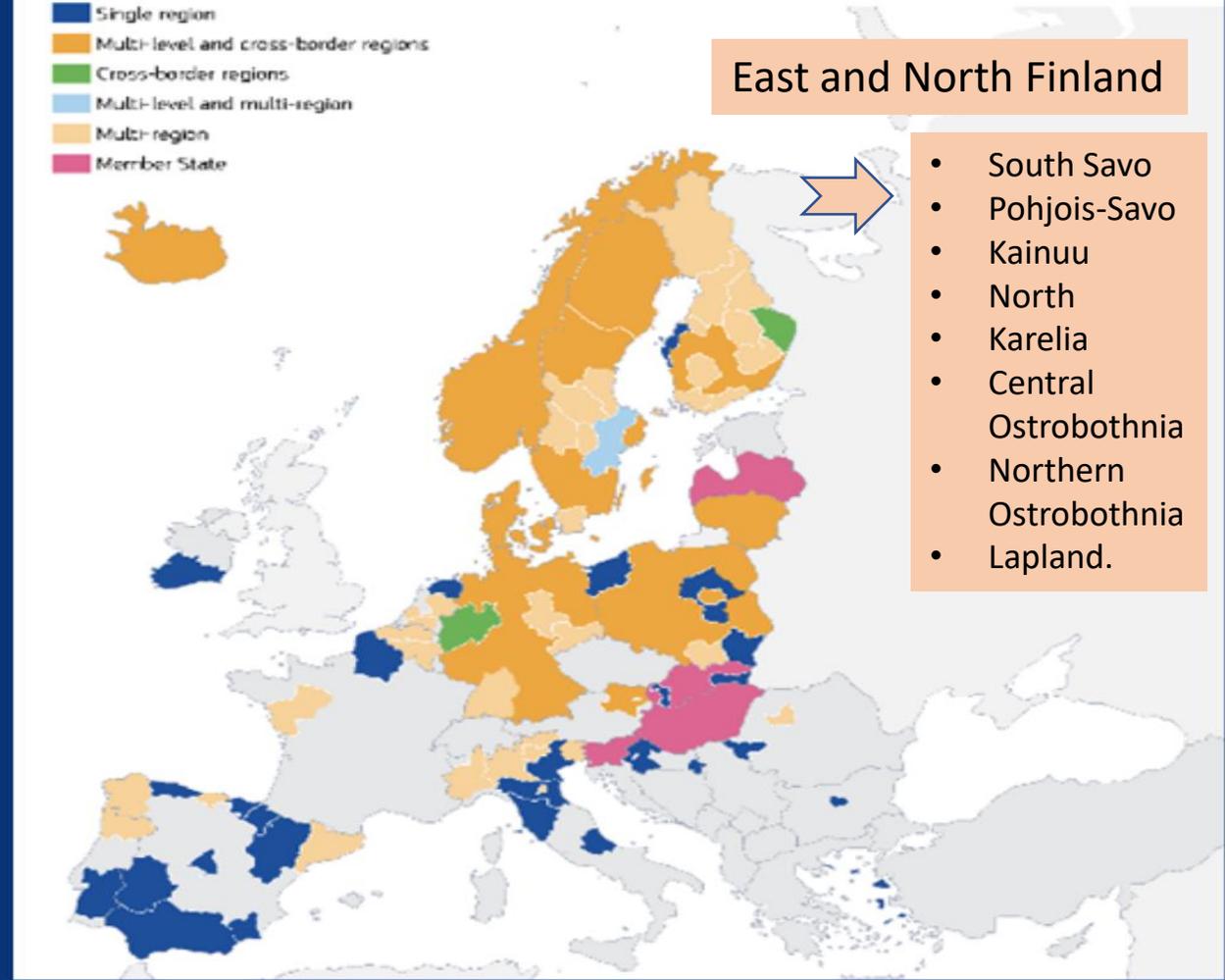
A new Playbook is out

Out 17 May 2022

68 tools to foster innovation for sustainability in territories

<https://s3platform.jrc.ec.europa.eu/pri>

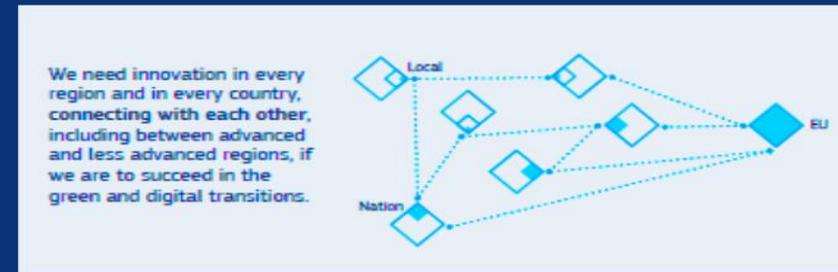
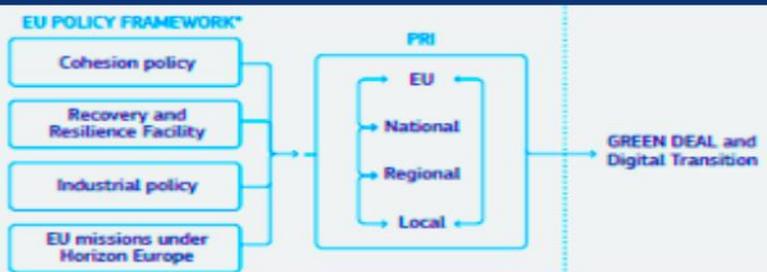
- Single region
- Multi-level and cross-border regions
- Cross-border regions
- Multi-level and multi-region
- Multi-region
- Member State



East and North Finland

- South Savo
- Pohjois-Savo
- Kainuu
- North
- Karelia
- Central Ostrobothnia
- Northern Ostrobothnia
- Lapland.

Key concepts



What is needed in the collaboration agenda?

Mobilizing funding

- Funding Governance
- Coordination of funding
- Joint calls
- Financial Instruments
- Synergies

Reinforcing ecosystems with policies and tools

- Regulations
- Fiscal Policy
- Infrastructures
- Standardization
- Innovation Procurements
- Environmental policy

Tools to make innovation ecosystems more efficient

- Local SDGs
- Foresight
- DIH
- Taxonomy

Much more than money

Agenda

“From Playbook to implementation”

Partnerships for Regional innovation as a bridge between smart specialisation and other EU policies to promote innovation-driven territorial transformation



Brussels, Berlaymont Building,
Rue de la Loi 200, Piazza

28 March 2023



PRI High Level Event, Brussels 28 March 2023



Partnerships for Regional Innovation: From Pilot to Practice



PRI High Level Event Tällberg, Dalarna, Sweden 30-31 May 2023

**Europe needs united territories joining forces
and talent to address today's challenges**

Thank you very much

[PRI - Smart Specialisation Platform \(europa.eu\)](https://ec.europa.eu/pri)

JRC-PRI-PILOT@ec.europa.eu



Debate - To synergise regional, national and European policymaking to support responsible raw-material utilisation in Europe – recommendations



Dr., Dr.H.C. Santiago Cuesta-López

General Manager ISMC-ICAMCyL

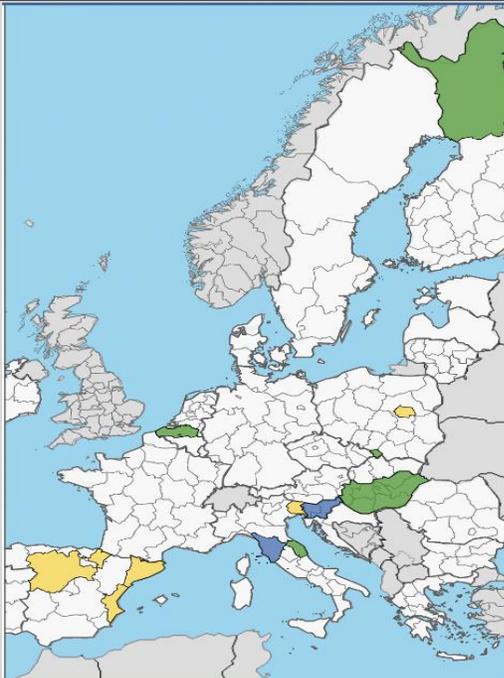


To synergise regional, national and European policymaking to support responsible raw-material utilisation in Europe

Dr. Dr. H.C. Santiago Cuesta-López

- The game is changing – Raw Materials Act and the global Geopolitical situation.
- Key industrial value-chains are strongly dependent. Some value – chains are deep interconnected.
- Regions are a key element to solve the URGENT raw materials EU dependence problem. Raw materials are endogenous resources. Local ecosystems are needed.
- Clusters are the essential vehicles in the creation of interconnected innovation ecosystems.
- The creation of an inter-connected European interregional hub of innovation valleys focusing on raw materials is being created, supported by a community of practise in raw materials and a strong S3P partnership.
- We are building the hub. The ingredients : Q-helix deep cooperation, private investment platform, private (public) stockpiling platform, making investments true operational tools (Innosup, Interreg, I3, innovation valleys).





SME integration to Industry 4.0

Leading regions

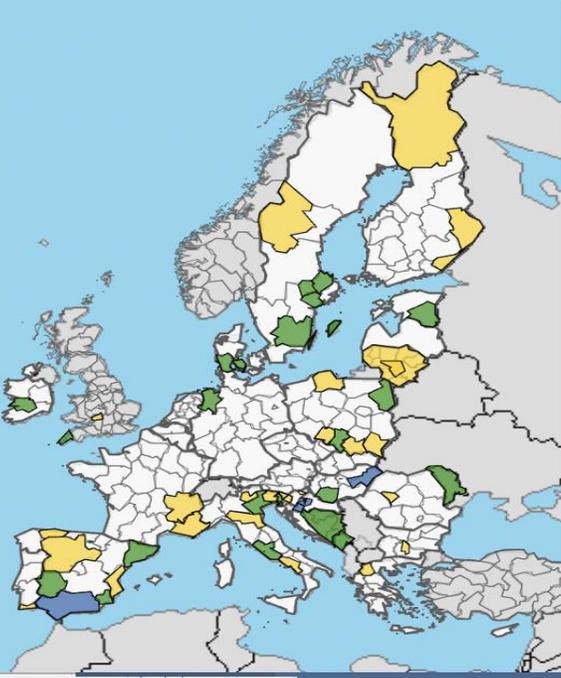
- Slovenia (SI)
- Tuscany, Italy (IT)

Participating regions

- Castile and Leon, Spain (ES)
- Catalonia, Spain (ES)
- Friuli-Venezia Giulia, Italy (IT)
- Mazowieckie, Poland (PL)
- Navarra, Spain (ES)
- Valencia, Spain (ES)

Interested regions

- Bielsko-Biala, Poland (PL)
- Flanders, Belgium (BE)
- Hungary (HU)
- Lapland, Finland (FI)
- Marche, Italy (IT)



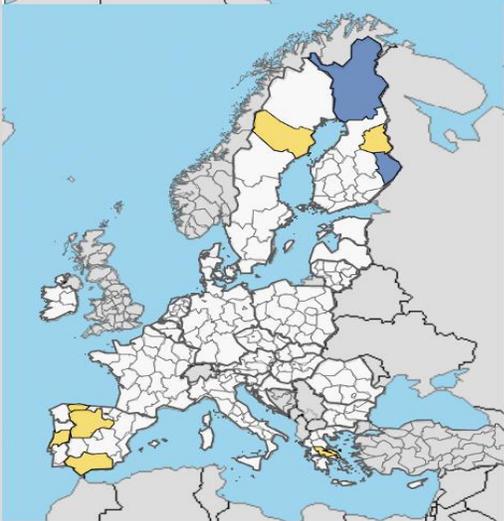
Sustainable Buildings

Leading regions

- Andalusia, Spain (ES)
- North Great Plain (Észak-Alföld), Hungary (HU)
- North West Croatia, Croatia (four NUTS 3: HR041, HR042, HR04D, HR043) (HR)
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- North West Croatia, Croatia (four NUTS 3: HR041, HR042, HR04D, HR043) (HR)

Participating regions

- Alba County (Centru), Romania (RO)
- Algarve, Portugal (PT)
- Asturias, Spain (ES)
- Autonomous Province of Trento, Italy (IT)
- Campania, Italy (IT)
- Castile and Leon, Spain (ES)
- Central Slovenia, Slovenia (SI)
- Drava (Podravska), Slovenia (SI)
- Emilia Romagna, Italy (IT)
- Friuli-Venezia Giulia, Italy (IT)
- Gloucestershire, UK (UK)
- Jämtland, Sweden (SE)
- Kaunas County, Lithuania (LT)
- Lapland, Finland (FI)
- Lithuania (LT)
- Malopolska, Poland (PL)
- North Karelia, Finland (FI)
- Opolskie, Poland (PL)
- Plovdiv, Bulgaria (BG)
- Podkarpackie, Poland (PL)
- Pomorskie, Poland (PL)
- Rhône-Alpes, France (FR)
- South Karelia, Finland (FI)
- South Region (Provence-Alpes-Côte d'Azur) France (FR)
- Upper Carniola (Gorenjska), Slovenia



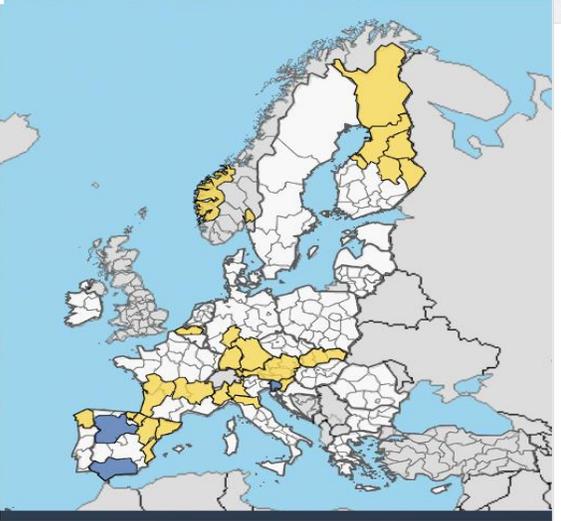
Mining industry

Leading regions

- Lapland, Finland (FI)
- North Karelia, Finland (FI)

Participating regions

- Andalusia, Spain (ES)
- Asturias, Spain (ES)
- Castile and Leon, Spain (ES)
- Centro, Portugal (PT)
- Kainuu, Finland (FI)
- Stereia Ellada (Central Greece) (EL)
- Västerbotten, Sweden (SE)



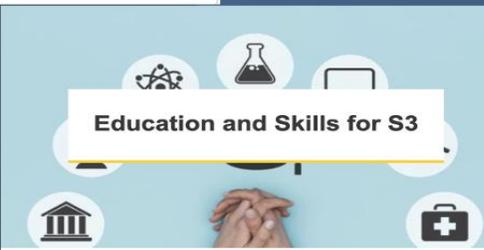
Advanced materials on batteries

Leading regions

- Andalusia, Spain (ES)
- Castile and Leon, Spain (ES)
- Slovenia West, Slovenia (SI)

Participating regions

- Aragon, Spain (ES)
- Austria (AT)
- Auvergne Rhone-Alpes, France (FR)
- Baden-Württemberg, Germany (DE)
- Basque Country, Spain (ES)
- Bavaria, Germany (DE)
- Brussels-Capital Region, Belgium (BE)
- Catalonia, Spain (ES)
- Central Ostrobothnia, Finland (FI)
- Emilia Romagna, Italy (IT)
- Flanders, Belgium (BE)
- Galicia, Spain (ES)
- Hessen, Germany (DE)
- Kainuu, Finland (FI)
- Lapland, Finland (FI)
- Lombardy, Italy (IT)
- Metropol Region Eindhoven (NL)
- Navarra, Spain (ES)
- North Karelia, Finland (FI)
- North Ostrobothnia (Pohjois-Pohjanmaa; Oulu subregion (city of Oulu)), Finland (FI)
- Northern Savoia (Pohjois-Savo), Finland (FI)
- Nouvelle Aquitaine, France (FR)
- Piedmont, Italy (IT)
- Slovakia (SK)
- Slovenia East, Slovenia (SI)
- Valencia, Spain (ES)
- Viken, Norway (NO)
- Western Norway (Vestlandet), Norway (NO)



Investments and global plan

Interregional investment meta HUB & global innovation valley ecosystem to ensure sustainable supply of RM to EU Industry

I3/Innovation valleys INVESTMENT PLATFORM STRATEGY

- DEFINE PROJECTS AND LOCATIONS
- TECHNOLOGY TRANSFER DEFINITIONS

- ANALYSIS OF CANDIDATE LOCATIONS IN CONNECTION TO INVESTMENT OPTIONS (PUBLIC AND/OR PRIVATE)

- EVALUATE AND SELECT
- START NEGOTIATIONS (REGIONAL GOVERNMENTS / PRIVATE INVESTORS)

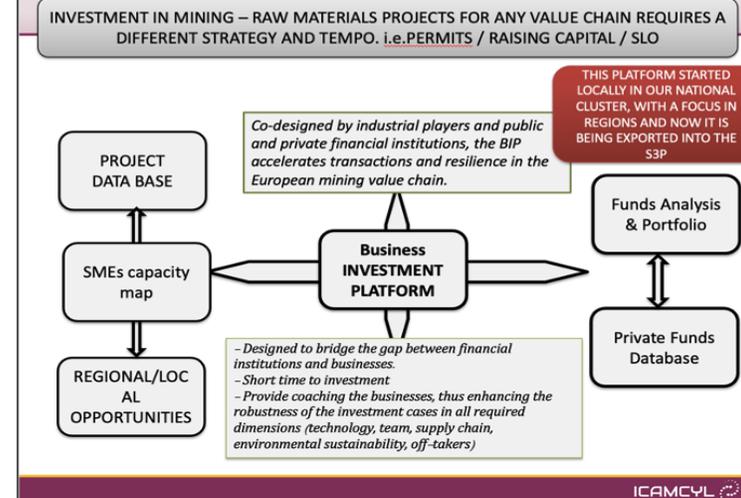
PRIVATE INVESTMENT & MANAGEMENT MEMBER STATE STOCKPILING PLATFORM

- DISTRIBUTED PLATFORM
- LOCATIONS DEFINED BY DEPOSITS AND STRATEGIC HARBORS

- MEMBER STATE ANALYSIS & REQUEST OF ORDERS
- FLUX & TRADING
- DUMPING CONTROL

- PUBLIC-PRIVATE PARTNERSHIP
- LINKED TO INVESTMENT STRATEGY AND NEW PROJECTS DISCOVERY

Properly designed business platforms can help create and capture new economic value and scale the potential for learning across entire ecosystems.





Thank you !

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Depate - To synergise regional, national and European policymaking to support responsible raw-material utilisation in Europe – recommendations

Ilkka Nykänen

Senior Adviser, Business Joensuu



To synergise regional, national and European policymaking to support responsible raw-material utilisation in Europe

Senior Adviser, Ilkka Nykänen

- It is important to think globally and act locally
- The aims of local projects have to be in line with regional strategies
- It is important to utilize and compile different funding instruments
- Regional and interregional co-operation is necessary. No one can play alone
- Clusters play a crucial role
- Added value is a key word, when talking how to get businesses involved



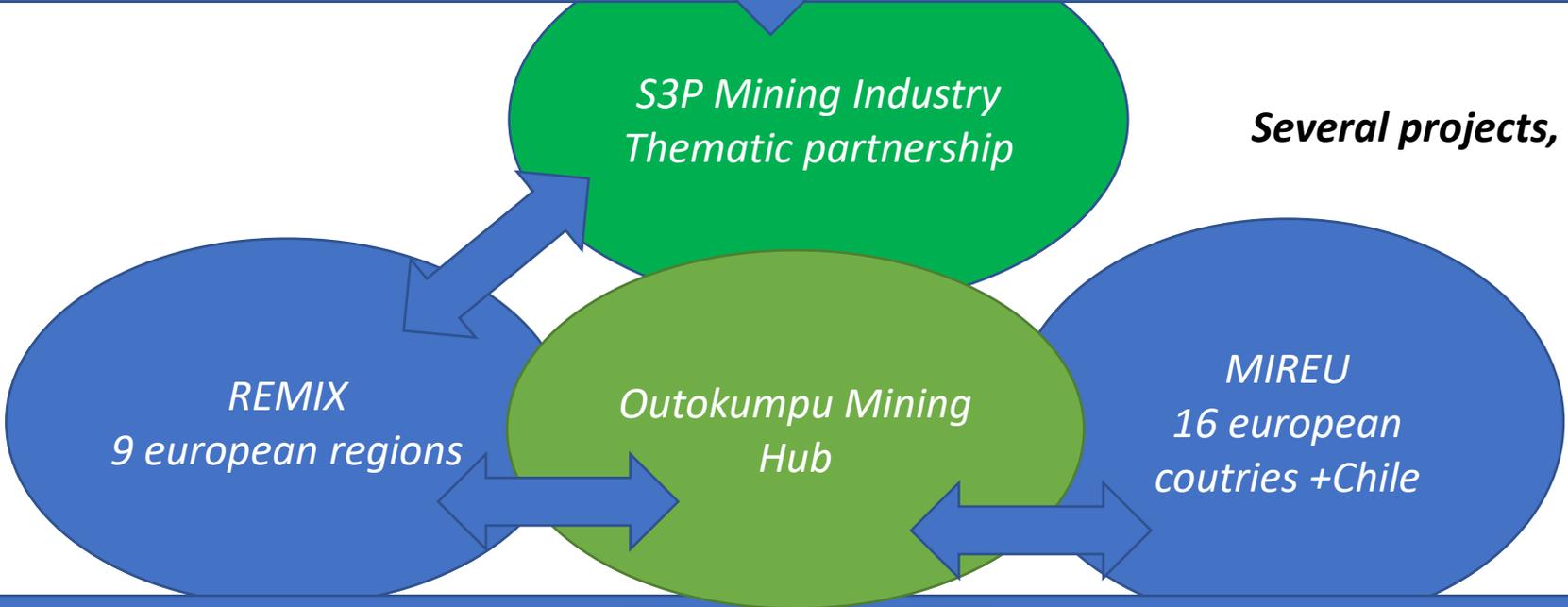
International collaboration of Bjoe mining related operations in a last 5 years

Global level



Several projects, TSI, ERDF

European level



Several projects, Horizon, Interreg, I3

State and Regional level



Several projects, ERDF

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Thank you !

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CONCLUDING REMARK AND CLOSING

Mika Riipi, County Governor of Lapland, Regional Council of Lapland

Jakub Boratynski, Director Networks & Governance, DG GROW, European Commission





THANK YOU



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