

LAPLAND
Above Ordinary

Arctic Industry and Circular Economy

Photo Keijo Penttinen

ARCTIC INDUSTRY AND CIRCULAR ECONOMY CLUSTER

AMIC – Arctic Smart Mining Cluster
Laura S. Lauri



REGIONAL COUNCIL
OF LAPLAND

DIGIPOLIS

Leverage from
the EU
2007–2013



European Union
European Regional Development Fund

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Arctic Industry and Circular Economy Cluster

- Leader: Kemin Digipolis Oy
- Members:
 - Research institutes (GTK, Luke)
 - Academic partners (Lapland University of Applied Sciences, University of Lapland, Vocational College Lappia)
 - Industrial partners in Lapland

The cluster work is based on the increase of trust and openness – without these there would be no cooperation. The cluster partners build on each others' strengths.

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5/10/2017



Modern Cluster of Arctic Industry

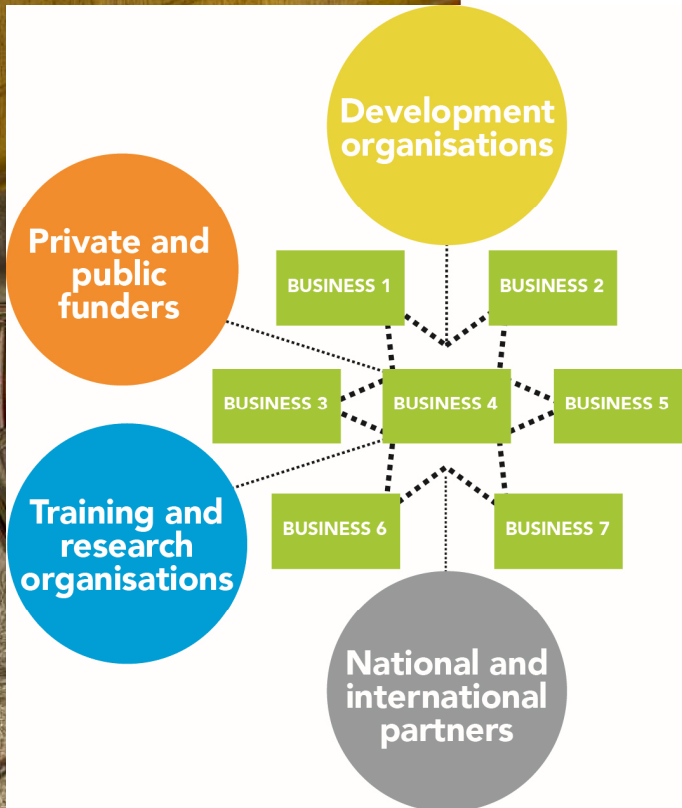
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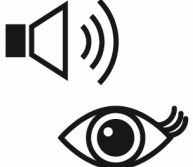
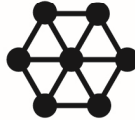
Sustainable utilisation of arctic natural resources

eventum
RESEAR...
LABORAT...
DEKRA

LAPLAND CHAMBER OF COMMERCE
European Union
European Regional Development Fund

Photo: K...



- 1. **THE CLUSTER SUPPORTS** the businesses in the region with utilising business support services, strengthening research and obtaining funding, among other things. 
- 2. **THE CLUSTER CAN** assist in applying for EU funding or in responding to large calls for tenders together. 
- 3. **FROM THE REGION**, Businesses and others in the region get help with, for example, branding, marketing and the supervision of interests. 
- 4. **THROUGH THE CLUSTER**, businesses find new ways to co-operate, new international contacts and markets. 

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Cluster in action – need for branching out recognized

Arctic Smart Mining Cluster (AMIC)

- ERDF-funded project in 2016-2018
- Focus on mining industry
- Concentrating on methodology, best practices, social license to operate, etc.
- Regional cooperation in Finland (Northern Karelia through JOSEK Oy) and in Europe (Greenland mining cluster, Mo Business Park, Luleå Technical University, ...)

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Photo: Keijo Penttinen

AMIC partners



LAPIN YLIOPISTO
UNIVERSITY OF LAPLAND



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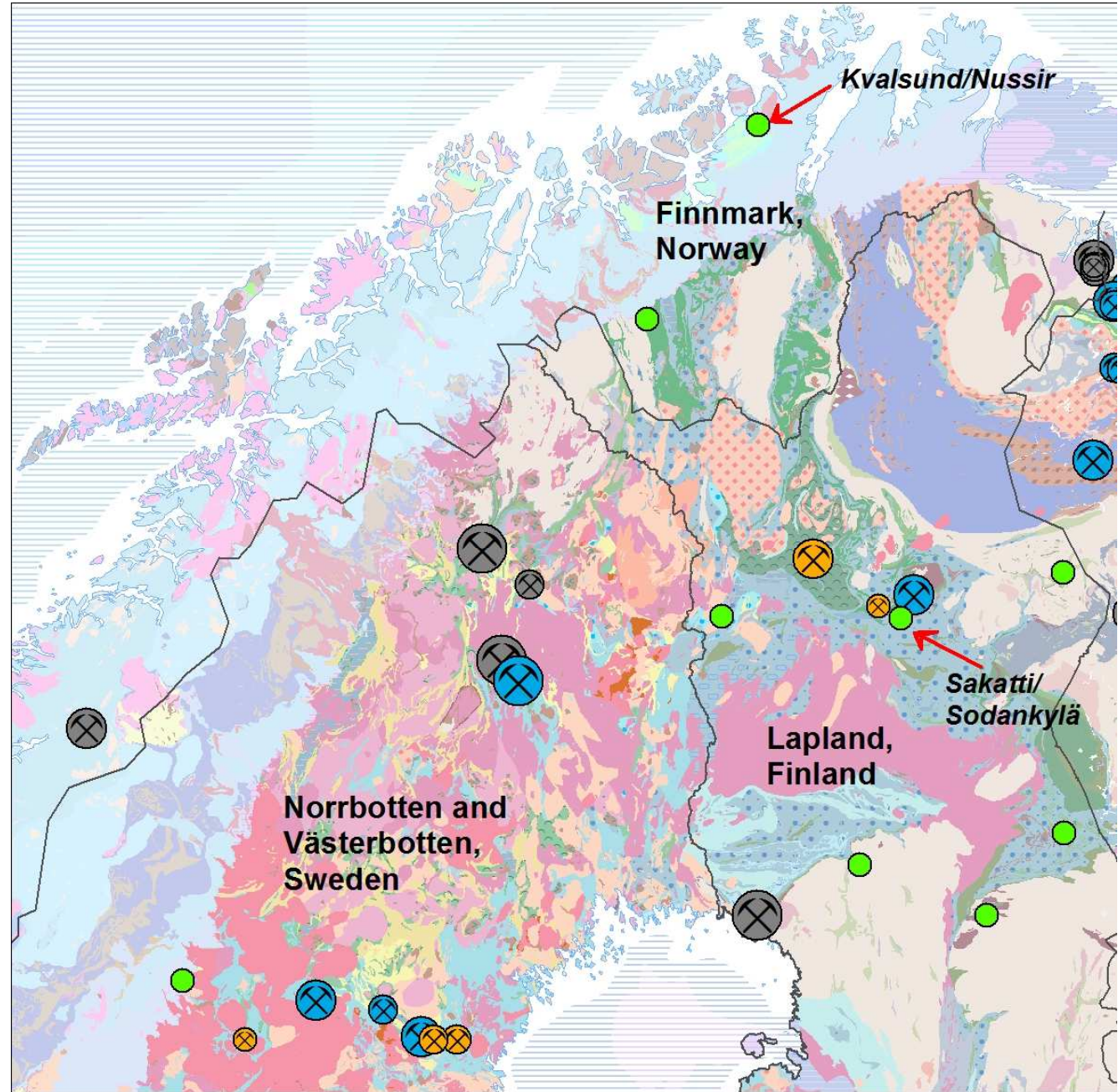
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Arktinen teollisuus ja kiertotalous

AMIC WP1: Development of mining industry related R&D&I

- WP leader: LapinAMK
- Strengthening the cooperation between the local SMEs and the R&D&I partners (LapinAMK, GTK, LaY)
- Establishing indicators such as Best SME Match
- Helping the companies to find international partners and project consortia where their skills are needed

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AMIC WP2: Social acceptance of mining industry

- WP leader: LaY
- Strong cooperation with the Network for Sustainable Mining
- Digital tools for sustainability discussion: How does mining look like in your back yard?
- Close cooperation with ongoing NPA Regina and EIT RM MineFacts projects
- Strengthening the cooperation between EU mining regions also in terms of SLO

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WP3: Development of EU-wide regional collaboration

- WP leader: GTK
- Networking at EU level (EuroGeoSurveys, PROMETIA, ERECON, ERA-MIN 2, EIP RM, EIT RM, ...)
- Education and information: Info days, conferences, meetings, ...
- Project proposals:
 - H2020 NEXT (New Exploration Technologies)
 - H2020 MIREU (Mining and Metallurgy Regions of EU)
 - EIT RawMaterials 2018

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Next steps

- Connection to the KATEPAL network and the Mining cluster established in 2016 by ELY centre -> regional synergy
- Actions taken in the scope of the MIREU commitment -> international cooperation
- Next round of H2020 in 2018-2020 and the upcoming FP9

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