ARCTIC INDUSTRY AND CIRCULAR ECONOMY

CLUSTER

AMIC – Arctic Smart Mining Cluster
Laura S. Lauri
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.
Modern Cluster of Arctic Industry

Sustainable utilisation of arctic natural resources
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.
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, ...)

Arktisen teollisuus ja kierrätys
Arktinen teollisuus ja kiertotalous

Photo: Keijo Penttinen
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
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
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
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