

ARCTIC Smartness

Arctic Smartness Excellence
Ilari Havukainen – Regional Council of Lapland



REGIONAL COUNCIL
OF LAPLAND



European Union
European Regional Development Fund

Leverage from
the EU
2014–2020

Setting the frame for the S3

- Story of S3 in Lapland begun 2012 - Arctic Specialisation Programme
- EU's gateway to the Arctic
- Vast deposit of natural resources, pristine and fragile Arctic nature
- Lack of critical mass - "too few smart people"
- Strong RDI actors – mobilising to the use of the region
- Sustainable utilisation of natural resources and conditions are the key factors to maintain the sustainable growth
- Smart growth needs cross cutting strategic approach strengthening the knowledge base
- Lapland wants to take lead on its own development –
 - Strategic step by step approach – Arctic Smartness 2014

Setting the frame for the S3

S3 Entrepreneurial Discovery Process

- Emerging industries growing out of existing industries
- Cross sectoral interfaces are ground for new entrepreneurial innovations

Sustaining the entrepreneurial discovery

- Synergy plan to increase RDI innovation capacity of the business
- Better use of existing RDI structure
- Cross-regional collaboration
- ESI funded projects have to provide added value for the business

Modern cluster approach

- Recognising the challenges of sparsely populated regions
- Provides the ground to focus on supporting the development of the regional approach – emerging industries

Arctic Smartness Clusters



- Supported *refining industry, tourism, creative industries, learning and testing environments, rural development, wood processing, resource efficiency, natural product and food, internationalisation, natural resources and land use....*
- Analysis over 650 project ... finding the best ground for the cross-fertilisation
- Potential for the modern clusters which are regional, looking beyond the boundaries

Looking after the Arctic truffles...



Arctic Industries and Circular Economy

EU model region Case 2014



Arctic Smart Rural Communities



Arctic Safety and Security



Arctic Design



Arctic Development Environments

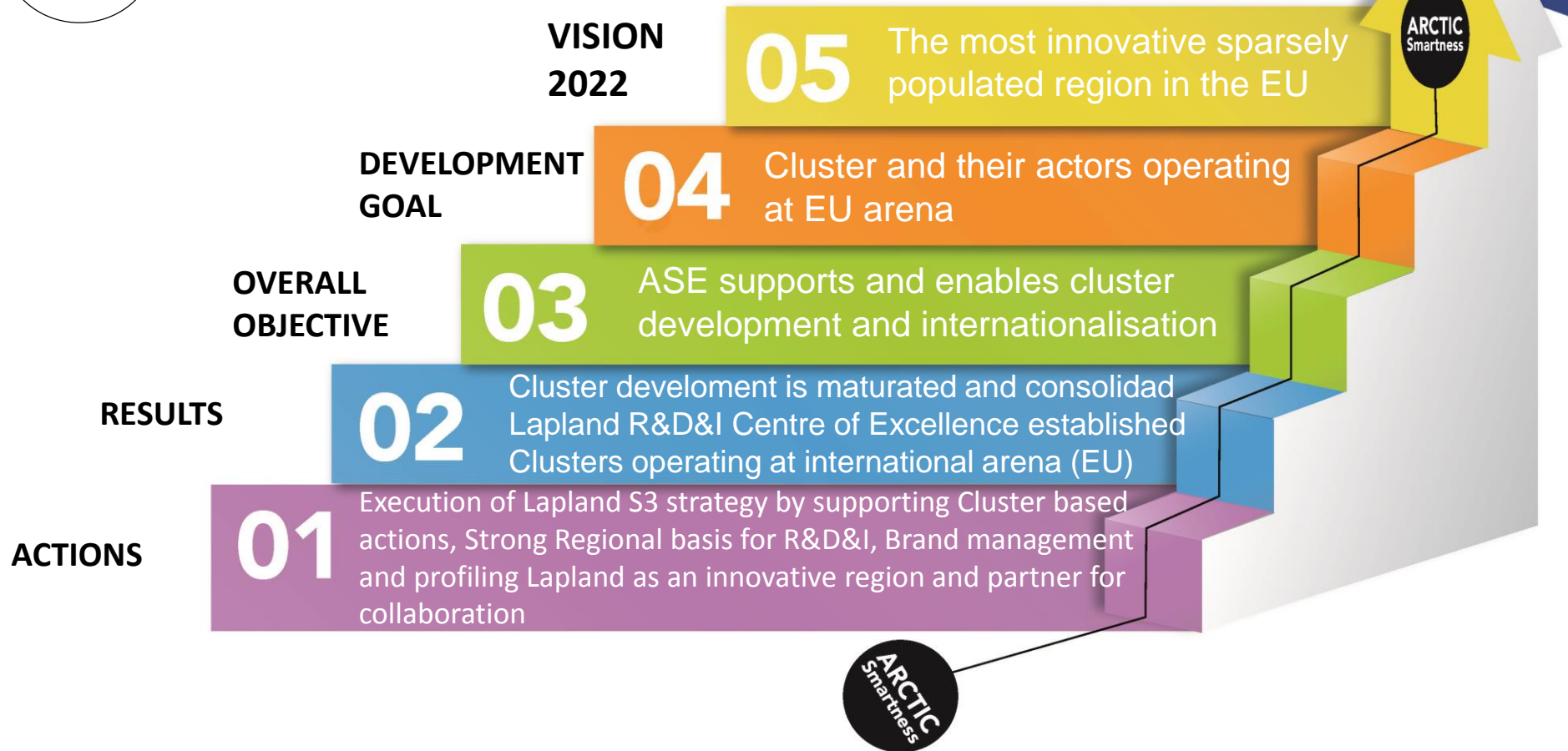
Third phase implementation of the Lapland S3 strategy

State of the art 2016

- 5 modern business driven Clusters with bronze labels established
- 15 Cluster based project initiatives identified and followed through (H2020, Interreg Europa, NPA, Interreg Nord, ENI)
- 4 potential ideas for the EFSI (The European Fund for Strategic Investments)
- Lapland leading the EIP Raw Materials MIREU network/commitment --> H2020
- Arctic Smartness ambassadors are active contributors in their international networks
- European working groups and with CoR and JRC
- Arctic Smartness model – consider it done!



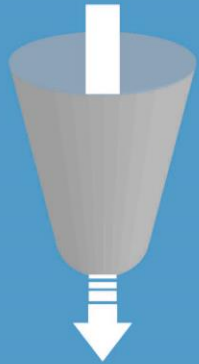
Arctic Smartness Excellence - ASE



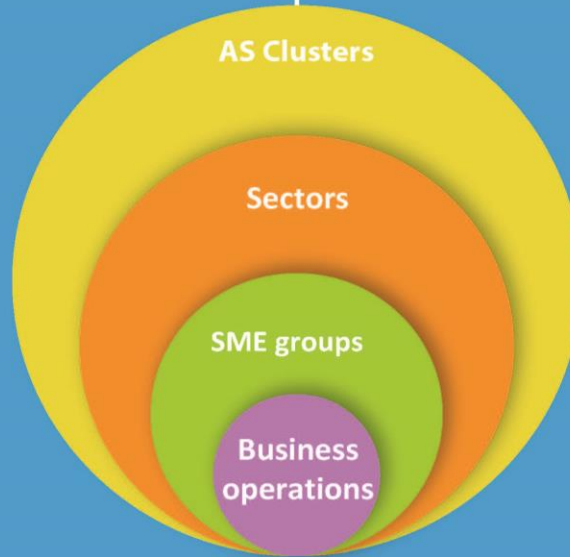
**RDI: interfaces of
different knowledge
and expertise**

Business contacts and interfaces

RESEARCH



**APPLIED
RESEARCH**



ASE Ecosystem

**New
business
opportunities**

**New
business**

**Increased pro-
duction value**

**Growth of
employment**

**Increased
turnover**

**Measurable
results**



**Support services provided by the cluster organisations: Laboratories, Design,
SME development, training, knowledge & technology transfer processes**

INCREASED FUNDING - INTERNATIONAL NETWORKS

Thank you for your attention

More information

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<http://luotsi.lappi.fi/arcticsmartness>

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DIGIPOLIS



LAPIN AMK^T
Lapland University of Applied Sciences

