

East & North
FINLAND

Itä- & Pohjois-
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Interregional Conference of the Vanguard
Initiative Network

Welcome to East and North Finland and Kainuu

VI Bio-economy pilot`s interregional conference

25-26.9.2024 Kajaani

Director Regional Development Jouni Ponnikas

Regional Council of Kainuu



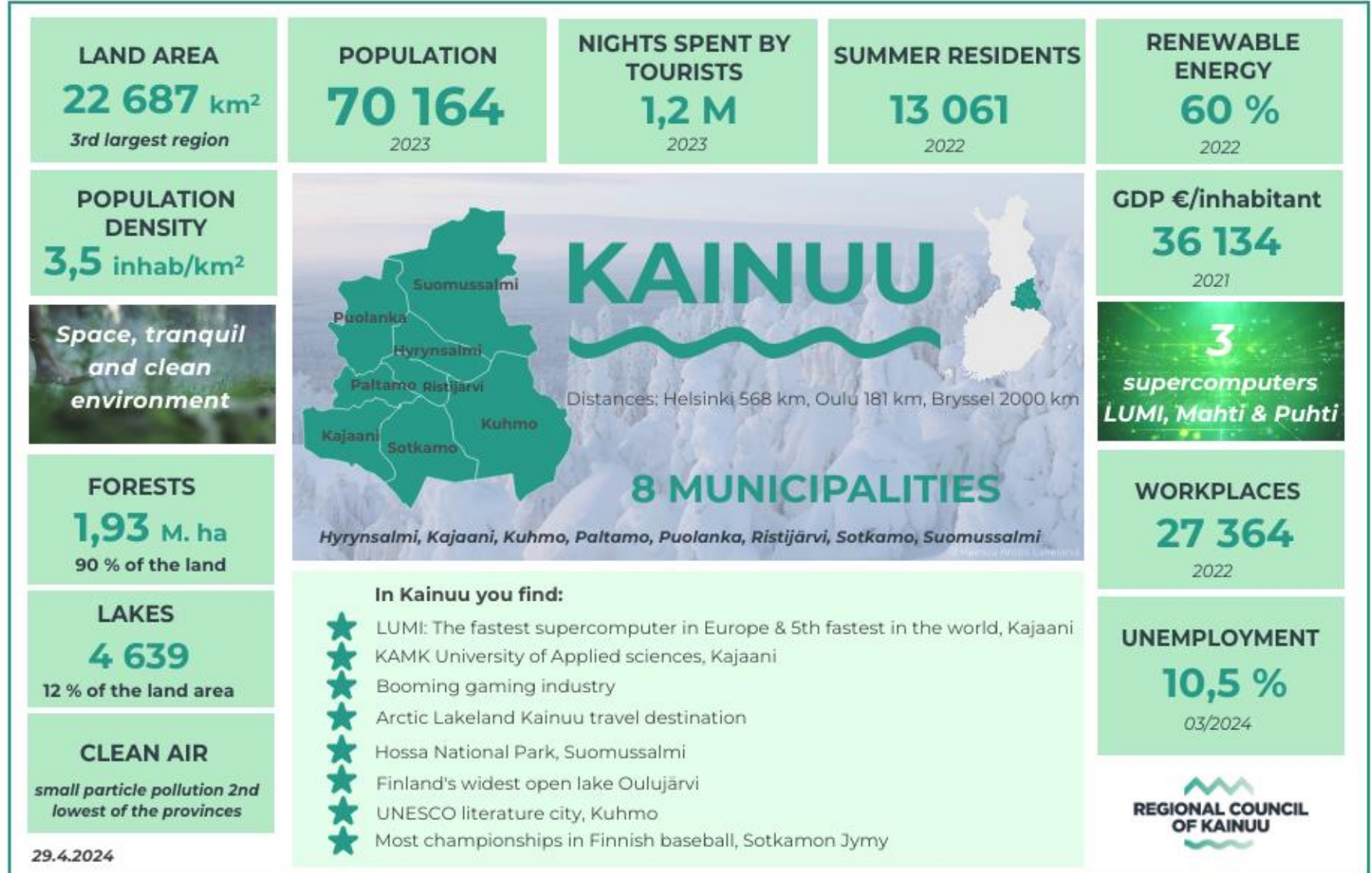


East and North Finland (ENF)

- Nature, the refining of natural resources, and strong technological expertise have created the foundation for economic development in East and North Finland (ENF). Complimentary competences such as digital expertise support the traditional industries and are also growing business sectors themselves
- The area as a whole is one of EU's Northern Sparsely Populated Areas with population of 1,27 million inhabitants covering a surface area of over 235 450 km². Abundant natural resources and top-notch expertise are the foundation for growth in the East and North Finland region.



Some Interesting Facts About Kainuu



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arctic LAKELAND

KAINUU · FINLAND

A unique Arctic Lakeland destination where you can experience both the southern and northern landscapes of Finland – large lakes and rocky hillsides can be seen during one trip. Arctic Lakeland is located in the northernmost part of Lakeland Finland, the largest lake district in Europe.





Key Industries in Kainuu

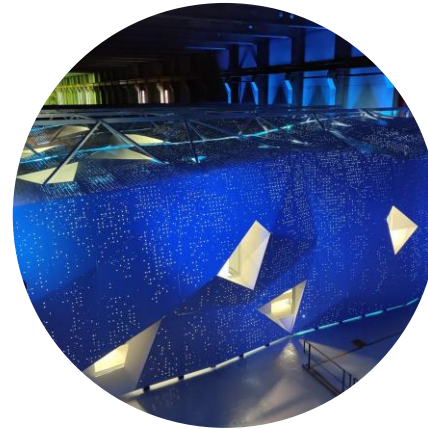


Tourism

A year-round destination with four distinctive seasons.

A wide range of culture, sports, nature and much more.

Kainuu tourism industry is 3rd biggest of Finnish regions.



Technology Industry

ICT, electrical appliances and electronic devices.

Vehicles and machinery and equipment, metals.

Super-computing, data center ecosystem, gaming industry.



Bio-Economy

Wood construction

Local energy

Locally sourced food



Sustainable Mining and Chemical Industry

Terrafame

Elementis Minerals

Sotkamo Silver

Juuan dolomiittikalkki

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Kainuu Smart Specialisation Strategy 2021 - 2027

Regional Smart Specialisation Strategy (RIS3) of Kainuu for Years 2021–2027 Themes and Industries

RIS3 Instruments:

coordination group and administration, EDP, financing and technical assistance reserve.

THEME 1	THEME 2	THEME 3
<p>Increasing research and promoting innovation</p>	<p>Strengthening and diversifying the specialisation base</p> <p>An important part of the Theme 2 projects is based on the utilization of applied research results produced in Theme 1.</p>	<p>Connectivity and integration, measures for interregional collaboration</p> <p>Theme 3 is designed as a tool to facilitate themes 1 and 2 of the priority sectors.</p>
<p>DEVELOPMENT OF INNOVATION (applied research)</p> <ol style="list-style-type: none"> 1. Measurement technology 2. Gaming and advanced simulation techniques (3D, VR, AR) 3. Big data analytics and high-performance computing 4. Circular economy in mining and bioeconomy 	<p>2A) INDUSTRIES: Bioeconomy, mining, metals and ICT</p> <p>Promoting industrial modernization through investment in:</p> <ol style="list-style-type: none"> 1. Developing new products 2. Improving production processes (e.g., by introduction of Industry 4.0) 3. Improving quality and environmental quality of products 	<p>2B) KNOWLEDGE-BASED SERVICE INDUSTRIES</p> <ol style="list-style-type: none"> 1. Professional (winter) sports and sports coaching 2. Activity Tourism 3. Social and health services <p>Innovations using digitalisation will be used to increase the efficiency of service production (especially in social and welfare services) and to increase the added value of services.</p> <p>International cooperation is increased in RDI activities related to service development).</p>
<p>AN OUTPERFORMING REGIONAL INNOVATION SYSTEM</p> <ol style="list-style-type: none"> 1. Innovation infrastructures 2. Access to interregional, demand-driven innovation processes 3. Emerging industries and innovation platforms, incl. interregional value chains, clusters, S3 partnerships 4. Platform economy 5. Attracting investment in RIS3 industries 		
<p>Cross-cutting themes and objectives for all RIS3 priorities</p>		
<p>THEME 4: Digital transition</p> <p>Theme 4 aims at strengthening the digital transition of the industries prioritized under Theme 2. To this end, Theme 4 projects may make use of the interregional co-operation options offered in Theme 3 and / or the innovative solutions developed in Theme 1.</p> <ol style="list-style-type: none"> 1. Deployment of Industry 4.0, including robotics and automation applications 2. Big data analytics and high-power computing (HPC) utilisation 		
<p>THEME 5: Green Deal</p> <p>Theme 5 covers both the application and development of Green Deal solutions, which will effectively lead to an environmentally friendly industrial change in Theme 2. To this end, Theme 5 projects may make use of the interregional co-operation options offered in Theme 3 and / or the innovative solutions developed in Theme 1.</p> <ol style="list-style-type: none"> 1. Production and use of clean, affordable, and safe energy 2. Increasing the circular economy and environmentally sustainable production in industry 3. From field to table: a fair, healthy and environmentally friendly food system 4. Climate change mitigation and adaptation 5. Preservation and restoration of ecosystems and biodiversity 6. Keeping everyone involved - a just transition! 		

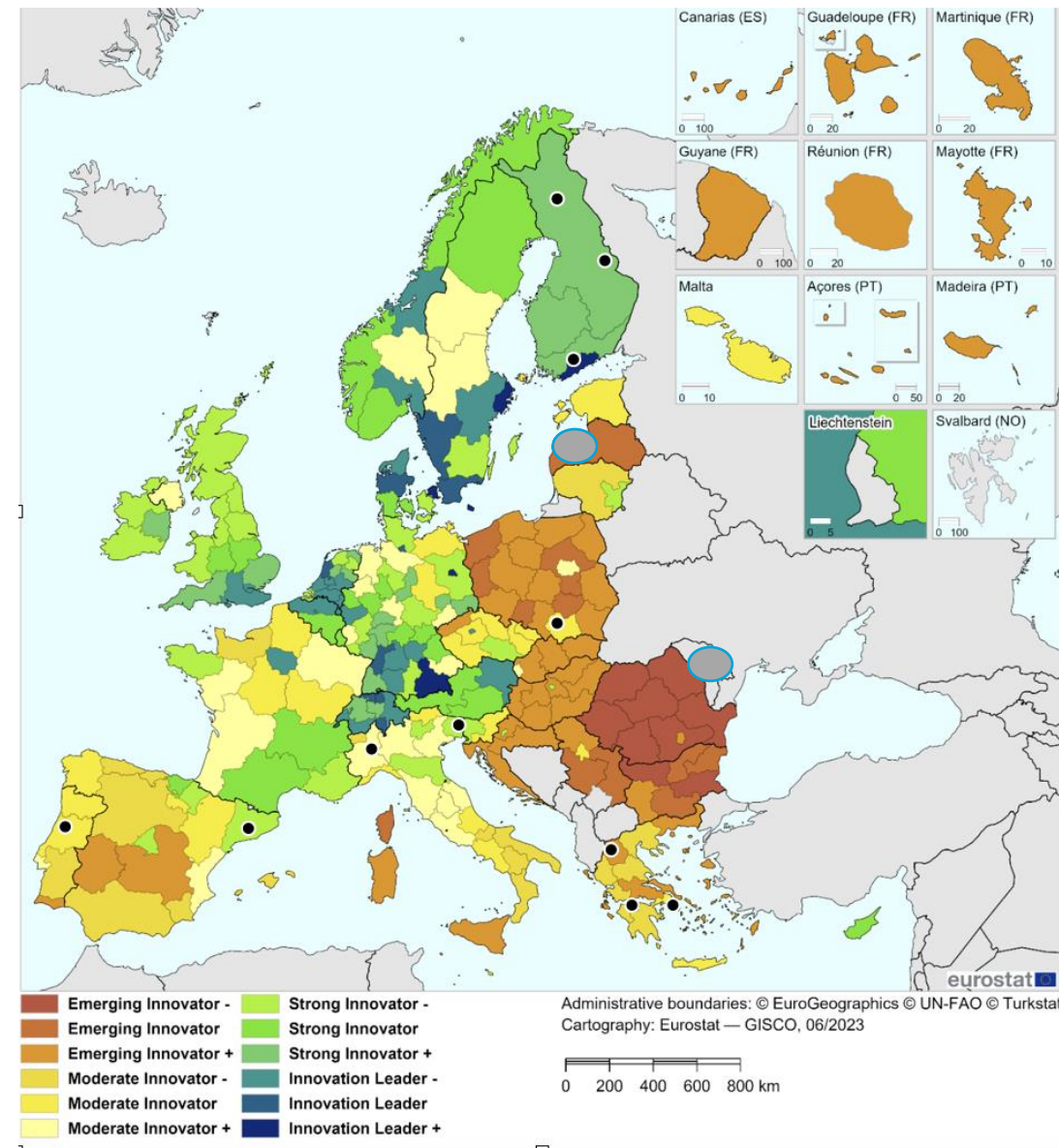
BERRY+: smart specialisation partnership for industrial modernisation. Coordinated by the Regional Council of Kainuu; approved by EC Joint Research Centre 2020.

Objective 1: Strengthen circular economy through value chains innovations and SDG improvement related to partner regions' RIS3. Value-chains are science & innovation based, i.e. towards development or scaling up of existing markets.

Objective 2: Value chain governance as an innovation system and policy instrument

- five value chains in circular bio-economy: anti-aging & regenerative cosmetics, dairy industry side-streams, forest industry side-streams, functional ingredients of natural resources, recyclable and renewable textiles.

Profile is to develop regional economies and research through value-chain based collaboration and circular bio-economy specialisation.



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More About Kainuu

<https://kainuunliitto.fi/en>

<https://www.kainuu.fi/en>

<https://arcticlakeland.com/en>

<https://www.linkedin.com/company/kainuunliitto>

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