

EDIH

European Digital Innovation Hubs Network

Driving the EU's digital transformation



Finland

4

Members

4/4 *EDIHs



19

Sectors

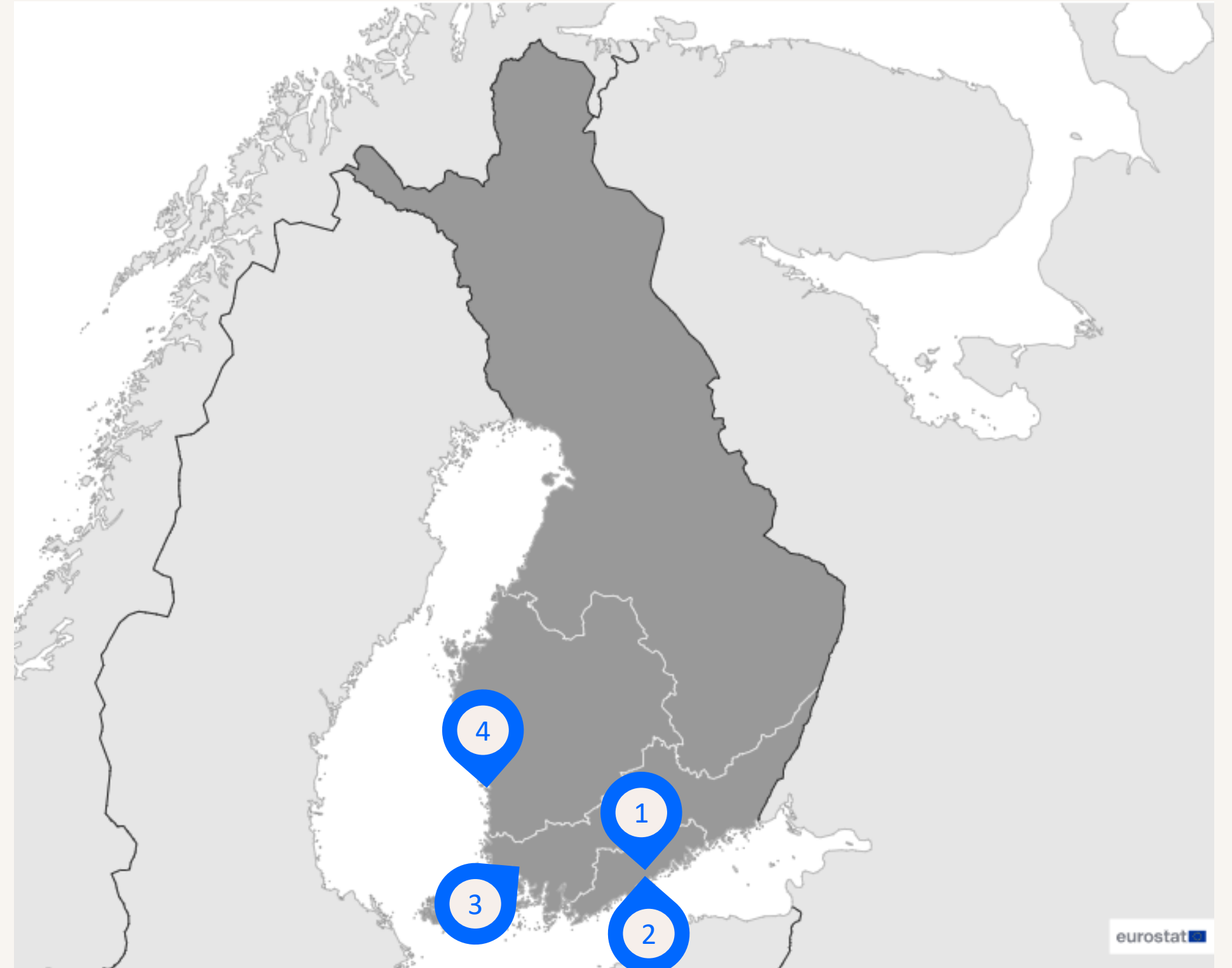
EDIHs in Finland

Drive digital innovation in key sectors, including manufacturing, construction, healthcare, and energy, fostering advancements in these industries.

Advance innovation in the transport, maritime, and energy sectors, enhancing efficiency and sustainability through the implementation of digital solutions.

Focus on smart city initiatives, healthcare, and environmental solutions, contributing to the development of advanced technologies.

EDIH



*European Digital Innovation Hubs

*Funded under Digital Europe Programme

Network overview: 4 members – 4 EDIHs

FAIR
Finnish AI Region | EDIH

FAIR

HealthHub
Finland EDIH

HHFIN

 **Location
Innovation
Hub**

LIH

ROBOCOAST

Robocoast



23 Technologies

Leverage cutting-edge technologies such as artificial intelligence and decision support, big data, and digital twins to drive innovative data analytics and simulation techniques across various industries.

Prioritise high-performance computing, IoT, and robotics, fostering intelligent solutions in manufacturing, logistics, and human-computer interaction.

Ensures the development of secure digital ecosystems and the exploration of immersive experiences and innovative production processes in key areas such as cybersecurity, virtual reality, and additive manufacturing.



Services

Engage in field trials, committing to the practical testing and implementation of innovative solutions.

Prioritise ecosystem building, knowledge transfer, and SME support to foster innovation.

Encourage technology transfer and circular economy initiatives.

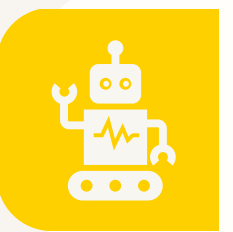
Good practices

Geospatial Challenge Camp: pioneering health and well-being with young innovators in location intelligence industry



Services

Training and skills development



Technologies

Data, high-performance computing, location-based applications



Sectors

Healthcare



Challenges

It is essential to **enhance Finland's geospatial competence and innovation, boosting advancements in open data, technology, and location data research.** This is vital for **tackling urgent health and well-being issues**, such as inadequate public health services, health disparities, and the impacts of infectious diseases. Finland has struggled with healthcare system re-organisation and youth mental health recovery post-COVID-19.

Leveraging location technology and Finland's rich open-access data can improve the understanding and management of these challenges, **aiding in better health resource assessment and allocation.**



Solutions

The Geospatial Challenge Camp (GCC) is a **10-week event and course for young researchers, students, and professionals to solve real-world issues using geospatial data and digital technology.** Co-created by the University of Turku, Aalto University, the National Land Survey of Finland, and CSC, the GCC debuted in 2023 with a focus on health and well-being. This year's challenges included **improving the climate friendliness of health services for Varha, assessing urban climate risks for the City of Turku, and creating health service wayfinding maps for Citynomadi.** The GCC emphasises sustainable, economically, environmentally, and socially responsible solutions.

Good practices

Geospatial Challenge Camp: pioneering health and well-being with young innovators in location intelligence industry



Results and benefits

Innovation in entrepreneurship

The camp's collaborative nature fosters innovation by uniting diverse stakeholders, boosting skills in co-creation, problem-solving, and teamwork.

Development of soft skills

GCC provides a cost-effective way for customers to test and innovate solutions without immediate investment in full development, thereby mitigating financial risks. It also offers researchers and students valuable real-world experience, enhancing their professional and soft skills, and boosting their future job prospects in the location industry.



Lessons learnt

- ✓ Offers hands-on learning for addressing complex societal issues through collaboration and new learning;
- ✓ Enhances professional skills and work-life connections for researchers and students;
- ✓ Effective teamwork and communication, supported by weekly mentoring, were key to successful prototype development;
- ✓ Preparation for the event requires up to a year, with clear themes and timely partner engagement being crucial;
- ✓ Follow-up is essential to track prototype development and continued progress.



Images of the students and researchers that participated in the 10-week programme of the Finnish Geospatial Challenge Camp



Success stories

Breaking boundaries: Innocode gained game-changing connections through the Robocoast EDIH consortium

EDIH ROBOCOAST

CUSTOMER

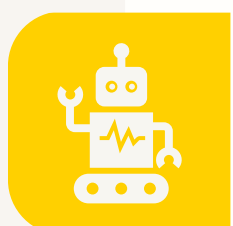
- Innocode
- Website
- Micro-sized enterprise with 1-9 employees

INNOCODE



Service type

Networking and access to innovation ecosystems



Technologies

Communication network



Sectors

Security



Challenges

Develop the Innocode P100, an advanced AI-based system designed for predictive maintenance, **aiming to detect anomalies by creating unique system fingerprints within a week**, preventing unplanned production losses and equipment failures. Innocode is seeking **expert assistance** and **new partnerships to support product testing, development, and market launch**.



Solutions

- Identification of AI expertise data analysis;
- Facilitations of connections through digital marketing tools;
- Development of a suitable testing environment.

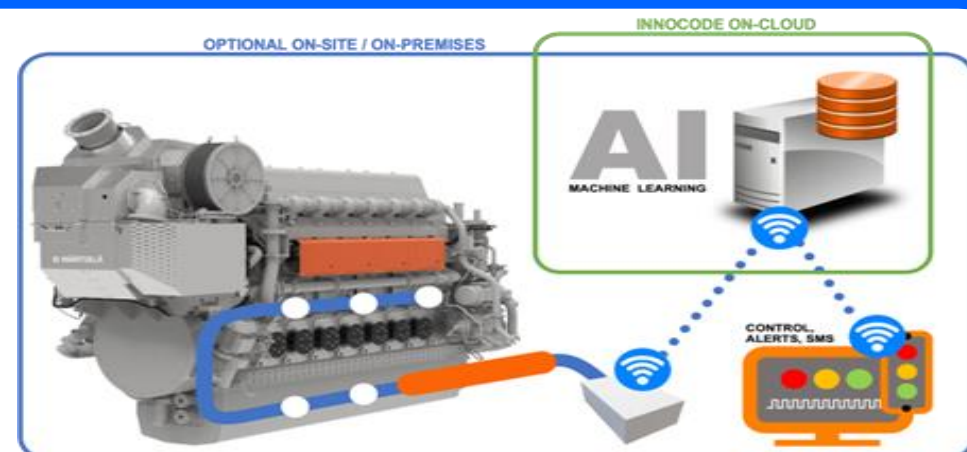
Success stories

Breaking boundaries: Innocode gained game-changing connections through the Robocoast EDIH consortium



Thanks to ROBOCOAST the SME achieved:

- savings equivalent to a full-time pension for 1-1.5 years in marketing and sales, and avoidance of testing costs estimated at €1,200 per day for three days;
- opportunity to participate in an important trade fair of €10,000 to showcase their new product for potential customers.



Showcase of the AI product designed by ROBOCOAST partners



Results and benefits

Deep industrial know-how

Innocode will benefit from significant **industry expertise and advanced testing facilities** for their AI technology through their partnership with the Robocoast network. This collaboration has already led **to valuable business connections and opportunities**, making Innocode confident they have the ideal partners for their P100 product's success.

Time savings on sales and marketing

Robocoast has enabled Innocode to **save 1-1.5 years of individual sales and marketing work**. They also have the chance to attend major trade fairs with a **new partner in April 2024, avoiding approximately €10,000 euros** in organisational expenses.

Worldwide collaboration

Investing in sales, material production and product development with multiple partners.



Lessons learnt

- ✓ Strategically identify and integrate specialised partners (AI solution providers, marketing experts, 3D printing specialists) with industry-specific expertise.
- ✓ Optimise synergy between digital and traditional marketing approaches.