



# HealthHub Finland EDIH

Euroopan innovaatiokeskus (EDIH)

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(Business Turku)

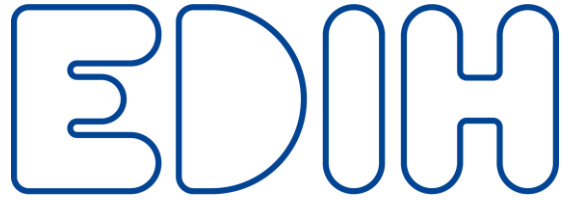
BUSINESS  
FINLAND



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EDIH

European  
Digital Innovation  
Hubs Network



European  
Digital Innovation  
Hubs Network

## Mikä on EDIH?

- Yli 150 eurooppalaisen digitalisaatiota edistävän innovaatiokeskuksen yleiseurooppalainen kumppaniverkosto.
- Tavoitteena on kehittää pk-yritysten ja julkisen sektorin organisaatioiden digitaalisia valmiuksia kaikissa Euroopan unionin jäsenvaltioissa.
- Toiminnan keskeisin mittari on yritysten digitaalisen kypsyyden kehittyminen.
- Suomessa on neljä EDIH-innovaatiokeskusta.



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# Rahoitus

- Aloitetta rahoittavat **Euroopan komission Digitaalinen Eurooppa -ohjelma** ja **Business Finland**, joka on Suomen valtion innovaatorahoituksesta sekä kaupan, matkailun ja investointien edistämisestä vastaava organisaatio.

# EDIH- verkosto Suomessa

## **FAIR**

Nopeuttaa ja laajentaa tekoälyn käyttöönottoa pienissä ja keskisuurissa yrityksissä.

[www.fairedih.fi](http://www.fairedih.fi)

## **ROBOCOAST**

Tukee yrityksiä kyberturvallisuuden, tekoälyn, data-analytiikan, 5G:n ja IOT:n, robotiikan ja energiateknologioiden hyödyntämisessä.

[www.robocoast.eu](http://www.robocoast.eu)

## **HEALTHHUB FINLAND EDIH**

Tukee terveyden ja hyvinvoinnin digitaalisten ratkaisujen kehittämistä ja on portti suomalaiseen terveys- ja hyvinvointitietoon.

[www.healthhubfinland.eu](http://www.healthhubfinland.eu)

## **LOCATION INNOVATION HUB**

Auttaa yrityksiä hyödyntämään sijaintitiedon tarjoamia mahdollisuuksia, kuten tarkkaa paikannusta ja uuden sukupolven paikannusteknologioita.

[www.locationinnovationhub.eu](http://www.locationinnovationhub.eu)

# Mikä on HealthHub Finland EDIH?

- Kansallinen voittoa tavoittelematon julkisen sektorin yhteenliittymä, joka kokoaa yhteen asiantuntijat ja resurssit Suomen merkittävimmistä terveyseskosysteemeistä.
- Keskitetty palvelupiste terveyden ja hyvinvoinnin digitaalisten ratkaisujen kehittämiseen sekä portti suomalaiseseen terveys- ja hyvinvointitietoon.





# Tarjontamme

- Tarjoamme pk-yrityksille ja julkisen sektorin organisaatioille maksuttomia tai jopa 80-prosenttisesti tuettuja palveluja.
- Tarjoamme yleisiä ja räätälöityjä palveluja:
  - **Yleisiin palveluihin** kuuluvat koulutukset, tapahtumat ja verkostoitumismahdollisuudet.
  - **Räätälöityihin palveluihin** kuuluvat testauspalvelut, kehitys- ja yritystuki, koulutus ja konsultointi. Arvioimme yrityksen tuen tarpeen, resurssit ja osaamisen. Etsimme oikeat kumppanit ja verkostot sekä rahoituspaletin.

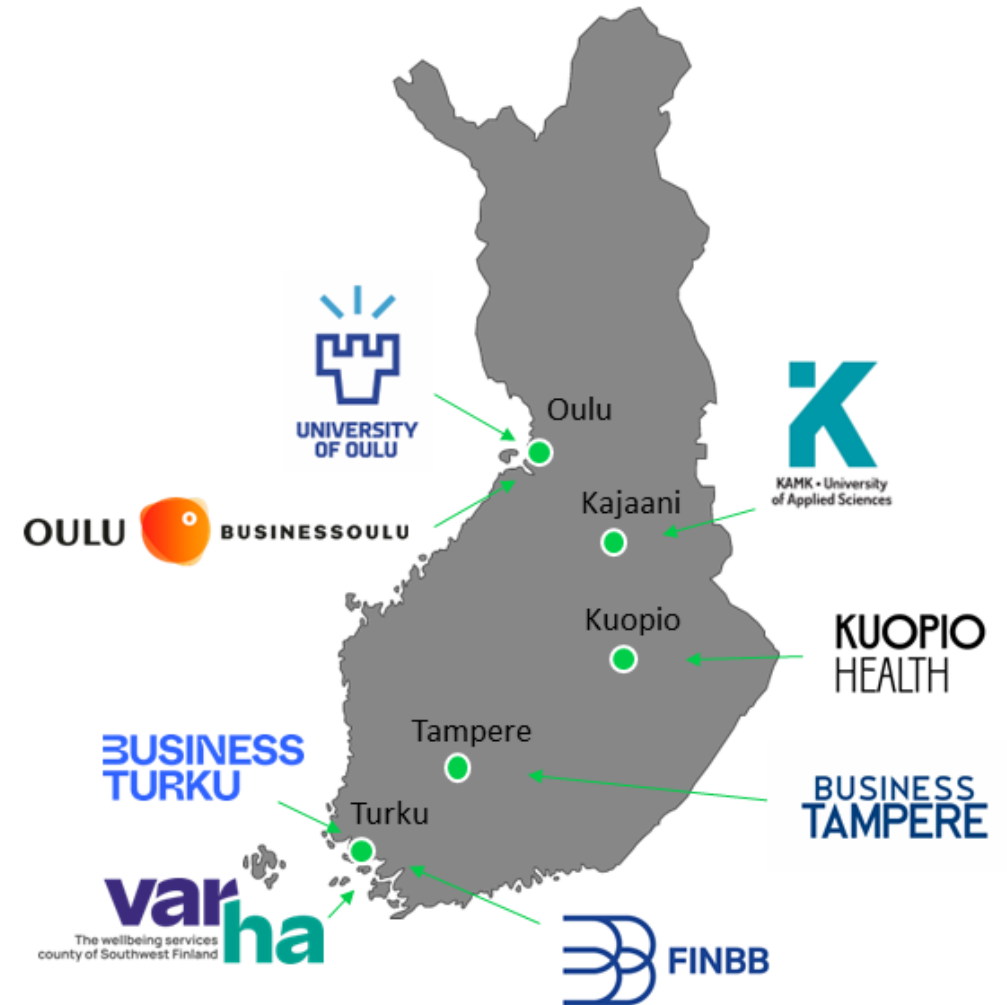
# Palvelumme

- **Testaa ennen investointia (Testbedit)**
  - Tarjoamme testaus- ja innovaatiopalveluja
- **Taidot ja kehittäminen**
  - Kursseja, webinaareja ja koulutuksia.
- **Rahoituksen löytäminen**
  - Tarjoamme liiketoiminnan kehittämispalveluja ja avustamme investointien ja riskipääoman saannissa.
- **Verkostoituminen**
  - Meillä on laajat verkostot ja autamme löytämään ja tavoittamaan oikeat kumppanit EU:n laajuisesti.

# Partnerit

HHFIN EDIH partnerit ovat yliopistot, perus- ja erikoissairaanhoidon tarjoajat, alueelliset kehittämisorganisaatiot sekä **digitaalisen terveyden ja datan alalla** toimivat yritykset Suomessa:

- Business Turku (koordinaattori)
- Business Oulu
- Business Tampere
- FINBB – Suomen Biopankkien Osuuskunta
- KAMK – Kajaanin ammattikorkeakoulu
- Kuopio Health
- Oulun yliopisto
- VARHA – Varsinais-Suomen hyvinvointialue





# Ota yhteyttä

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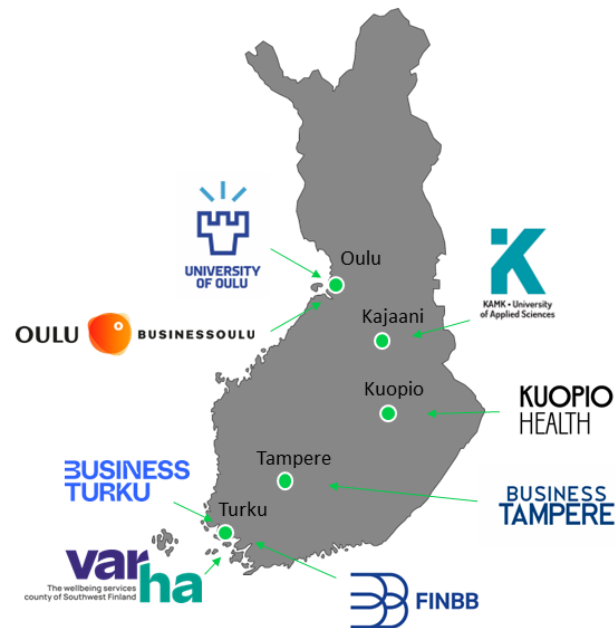
# HealthHub Finland EDIH Services

## by Region

Image by iStock

Kansalliset Testbed-päivät Tampereella  
Varala, Tampere 17.4.2024

# HHFIN Joint Services



## Test-before-invest

- Digital Maturity Assessment (DMA)
- HealthHub clinic pop-up
- HealthHub expert (group) consultation
- EU Act assessment tool (AI & Data act) (upcoming)

## Skills and Training

- Hytki opas

## Innovation Ecosystem and Networking

- Access to showcasing
- Networking events

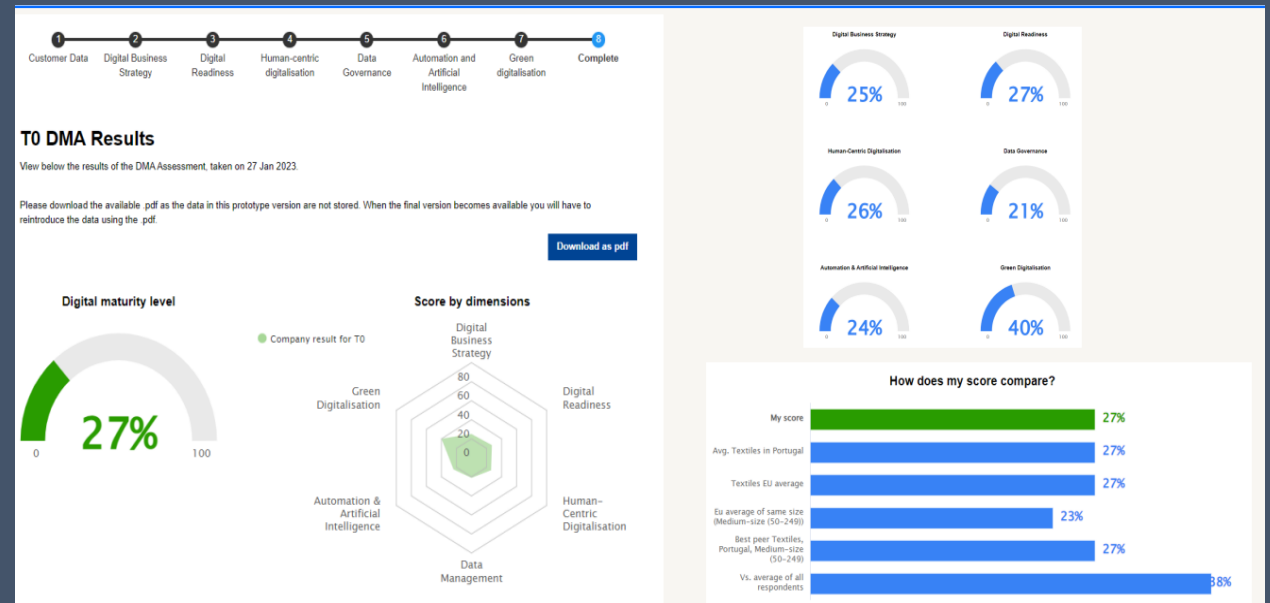
# Digital Maturity Assessment (DMA)

The Digital Maturity Assessment (DMA) measures the overall digital maturity level of EDIH customers (company or PSO) over 6 dimensions.

**Target audience:** SMEs and Public Sector entities  
**Price list/pricing model (if applicable):** Free  
**Service provider:** HealthHub Finland EDIH  
**Contact information:** [info@healthhubfinland.eu](mailto:info@healthhubfinland.eu)  
**Website:** [healthhubfinland.eu/services/dma-tool/](https://healthhubfinland.eu/services/dma-tool/)

## Output:

1. Evaluation of company's level in overall digital maturity, digital business strategy, digital readiness, human-centric digitalisation, data management, automation & artificial intelligence, and green digitalisation.
2. Comparison against other SMEs in the industry, region and Europe.





# HHFIN Pop-up Clinic

Free consultation clinics, including needs analysis and service matching to create a unique service package for the customer. The advisory group is composed of professionals with expertise in areas such as clinical research, commercialisation, data and regulations, matchmaking and patient engagement, design and development.

**Target audience:** SMEs

**Price list/pricing model (if applicable):** Free

**Service provider:** HealthHub Finland EDIH

**Contact information:** [info@healthhubfinland.eu](mailto:info@healthhubfinland.eu)

**Website:** [healthhubfinland.eu/services/healthhub-finland-edih-clinic/](https://healthhubfinland.eu/services/healthhub-finland-edih-clinic/)

## Output example:

- Evaluation of testbed need (Test-before-invest)
- Other services
  - Skills and training
  - Support to find investments
  - Innovation ecosystem and networks



# HHFIN Services Turku Region

**BUSINESS  
TURKU**



## About

Turku has a long tradition of excellence in drug development and diagnostics. The region is also a pioneer in digital and data-driven health technologies.



## Test-before-invest

- Auria Clinical Informatics (DIH) (Varha)
- Access to Biobank samples and data Fingenious (FINBB)
- Research plan assessment and data evaluation (Varha)
- Synthetic Health Data Testbed (upcoming) (Varha)

## Skills and Training

- Artificial intelligence & cybersecurity MOOC (2 ECTS)
- Introduction to Programming, University of Turku (5 ECTS)
- Statistical Data Analysis, University of Turku (5 ECTS)
- Acquisition and Analysis of Biosignals, University of Turku (5 ECTS)
- Data Analysis and Knowledge Discovery, University of Turku (5 ECTS)

## Support to find investment

- Facilitating Access to Investment and Venture Capital (Investment Readiness Process -programme)
- Financial instruments awareness raising (Free consultation sessions)

## Innovation ecosystem and Networking

- HealthHub ProHealth Growth Programme (Mentoring)
- HealthHub Brokering Service (Enterprise Europe Network)
- HealthHub Researcher Network (upcoming) (FINBB)



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# Auria Clinical Informatics (DIH)

Biostatistical, AI and visual analytics environment with access to structural, textual, signal and imaging data that originates from the clinical processes.

**Target audience:** SMEs and researchers

**Price list/pricing model (if applicable):** EDIH subsidized up to 80%

**Service provider:** Varha

**Contact information:** [lotta.ekholm@varha.fi](mailto:lotta.ekholm@varha.fi)

**Website:** [www.auria.fi/tietopalvelu/en/index.html](http://www.auria.fi/tietopalvelu/en/index.html)

## Customer case example:

### Customers

- in-house researchers
- academic researchers from universities
- pharma companies
- clinical research organizations (CROs)
- legal entities, such as EMA, Fimea and Findata, the Finnish data permit authority

### Service provided

- insight and services for regional, national and EU-level
- scientific research
- development activities
- innovation work
- teaching

# Fingenious® Services

Digital portal providing a one-stop window to the samples and biodata of Finnish public biobanks, enabling research and development based on real healthcare data, and by digitally recontacting sample donors for follow-up studies.

**Target audience:** Researchers from academia and industry

**Price list/pricing model (if applicable):** EDIH subsidized up to 80%

**Service provider:** FINBB

**Contact information:** johanna.makela@finbb.fi

**Website:** [site.fingenious.fi/en/](https://site.fingenious.fi/en/)

## Customer case example:

### **Risk Profiling Provides Tools to Predict Outcomes of Liver Disease at Population Level.**

This study investigates whether the incidence and progression of different forms of liver disease can be predicted at the population level. Clinical measurement, questionnaire, genome and biomarker data collected in large Finnish cross-sectional population surveys were used in combination with national health registry data for analyses.

**All FINBBs public customer use cases can be found at:**  
[site.fingenious.fi/en/use-cases](https://site.fingenious.fi/en/use-cases)

# HHFIN Services Oulu Region



## About

The Oulu region is the second-largest health technology hub in Finland, and OuluHealth ecosystem is a forerunner in digital health and digital health is a cross-cutting theme in the city covering education, research and unique testing environments for new health innovations.



## Test-before-invest

- OuluHealth Labs services
  - Oamk SimLab
  - OYS TestLab
  - Pohde WellbeingLab
  - Medical Imaging Teaching and Test Laboratory (MittLab)
- 5G Test Network Finland (DIH)
- 6G Flagship Experimental Platform
- DigiHTA

## Skills and Training

- Bioinformatics and data analysis (25 ETCs)
- DigiHealth training module (25 ECTs)
- Introduction to Artificial Intelligence (5 ECTs)
- Principles of Machine Learning in Medicine (5 ECTs)
- Various courses as Open University studies (<https://joy oulu.fi/en/course-offering>)
- Various thesis work topics (Bachelor, Master & PhD -degree)

## Innovation ecosystem and Networking

- HealthHub Best Practices and Experience Sharing
- Arctic Drone Labs (DIH)
- 6G Flagship / Super IoT (DIH)



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# Oulu Health Labs

A co-creation platform that enables cooperation between healthcare providers, social care providers, research and innovation organizations and companies.

**Target audience:** SMEs and Business developers

**Price list/pricing model (if applicable):** EDIH subsidized up to 80%

**Service provider:** Business Oulu

**Contact information:** [jenni.konttila@businessoulu.com](mailto:jenni.konttila@businessoulu.com)

**Website:** [ouluhealth.fi](http://ouluhealth.fi)

## Customer case example:

### Monidor's innovative testing at OAMK Simlab

By testing their remote monitoring software in a simulated environment, Monidor can fine-tune their product to meet the real-world needs of healthcare professionals.



# HHFIN Services Tampere Region

**BUSINESS  
TAMPERE**

**HEALTH  
TAMPERE**



## Test-before-invest

- Health and Assistive Technology (HeAT) Laboratory
- REGEA Cell and Tissue Center
- TAMK Virtual Lab for Social and Health Care
- Tampere Center for Skills Training and Simulation
- Visaxion (vision lab)
- CIVIT

## Innovation ecosystem and Networking

- Challenge roadmap

### About

The Tampere region is known for expertise in tissue engineering, regenerative medicine, stem cell research, and vaccine research.

# HHFIN Services Kuopio Region

KUOPIO  
HEALTH



**DiGiCENTERNS**  
THE DIGITAL INNOVATION HUB OF NORTHERN SAVO REGION

## About

Kuopio Health is a committed network enhancing wellbeing, nutrition and food industry, med-tech knowledge, know-how and research.



## Test-before-invest

- Digicenter Northern-Savo
- Kuopio Living Lab

## Support to find investment

- Speed dating with investors (annually in Tahko Ski Lift Pitch event)

## Innovation ecosystem and Networking

- Access to Kuopio Health ecosystem



UNIVERSITY OF  
EASTERN FINLAND

Excellence in integrating  
**advanced AI solutions**  
to diverse products to  
elevate businesses for  
global markets

**SAVONIA**

University of Applied Sciences

- 3D printing
- XR/VR laboratory
- EMC testing



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# Digicenter Northern-Savo

Artificial intelligence, 5G/NB-IoT, and usability testing environment (operated by Savonia University of Applied Sciences and University of Eastern Finland)

**Target audience:** SMEs and Business developers

**Price list/pricing model (if applicable):** EDIH subsidized up to 80%

**Service provider:** Kuopio Health

**Contact information:** kimmo.Solehmainen@kuopiohealth.fi

**Website:** [www.digicenterns.fi/en/home/](http://www.digicenterns.fi/en/home/)

## Customer case example:

### CASE 1: Wellpro

**Product:** Science based support software to form healthy habits through small actions

**EDIH service:** Make it AI driven, and implement conversational AI to the user interface

**Benefit:** Head to global consumer markets



### CASE 2: ThingLink

**Product:** Online training platform for healthcare

**EDIH service:** Make the training creation AI driven

**Benefit:** No. 1 platform for realizing trainings in healthcare and any other industry

“thinglink..”



# HHFIN Services Kajaani Region



## Test-before-invest

- AI industrial applications
- AIKA Arctic Data Intelligence and Supercomputing Ecosystem (LUMI) (direct easy access to supercomputing)
- Cybersecurity tests and consultation (upcoming)

## Skills and Training

- Digital strategy management training

## Support to find investment

- Business model and value creation development
- Investment access services

### About

Kajaani is home to CSC's supercomputers which KAMK helps companies utilize and get to know what supercomputing can provide them, how to collect data, or how to do data analytics.



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# AIKA Ecosystem Services – KAMK

AIKA DIH – Digital Innovation Hub is an ecosystem that offers companies support for the digital business transition and the development of new innovative solutions. Through the partners operating in the AIKA ecosystem, companies can benefit from the latest digital technologies such as artificial intelligence (AI), supercomputing and data analytics in business and product development.

**Target audience:** SMEs, technology startups

**Price list/pricing model (if applicable):** determined by case

**Service provider:** KAMK, CSC IT Centre for Science

**Contact information:** [anas.alnatsheh@kamk.fi](mailto:anas.alnatsheh@kamk.fi)

**Website:** [aikaecosystem.com](http://aikaecosystem.com)

## Customer case example:

### Iiwari Tracking Solutions Oy

- The end customer's application area for the company's service or product is classified in test before invest service at AIKA ecosystem.
- The technologies are image recognition, neural networks, programmatic positioning.



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