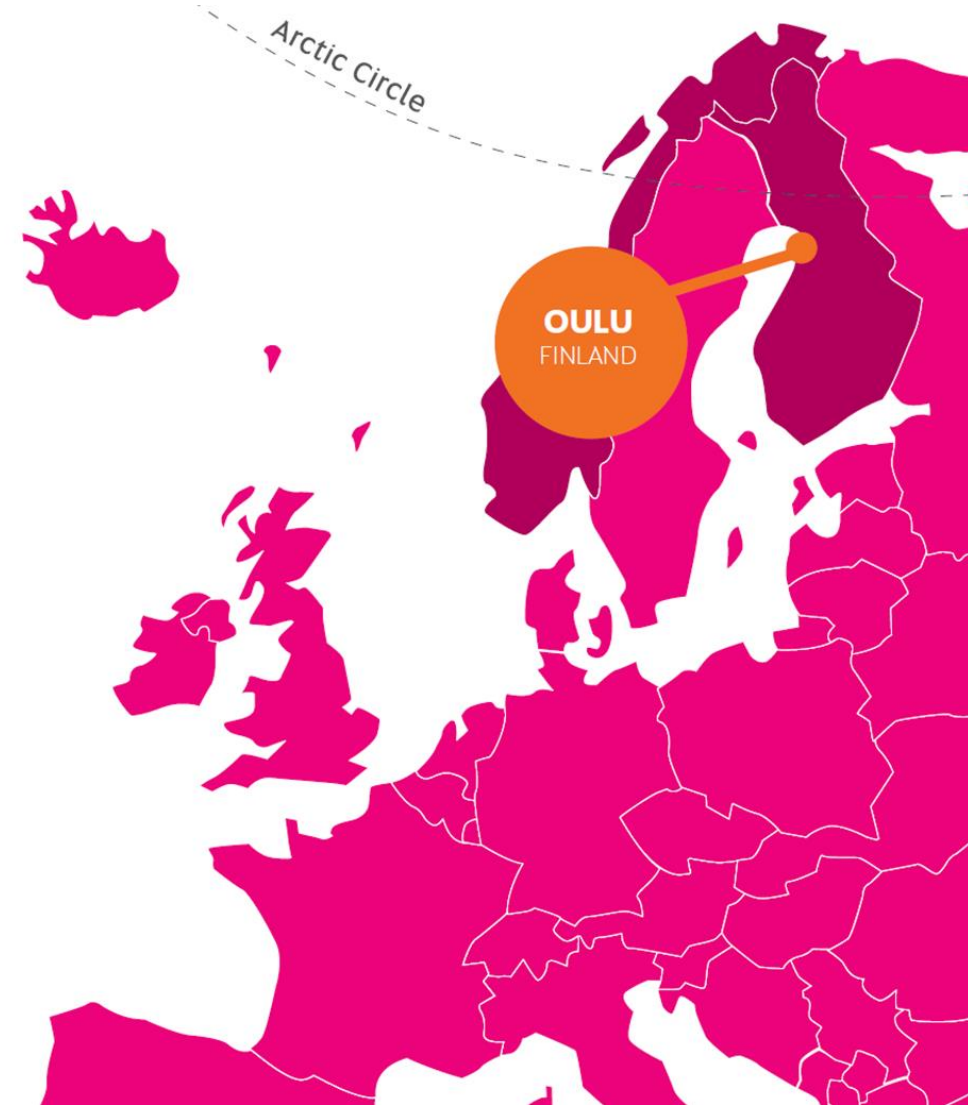


OULUHEALTH ECOSYSTEM – Multi-partner ecosystem to accelerate digital transformation

Maritta Perälä-Heape, PhD

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Director, Center for health and technology,
R&D&I management, OuluHealth ecosystem
OuluHealth DIH manager



OULUHEALTH ECOSYSTEM

Accelerates the implementation of health innovations, boosts the health-tech business and creates better solutions for the benefit of citizens

- The main stakeholders are **from academia, the public sector, and the private sector**
 - Oulu University Hospital (OYS), University of Oulu, Oulu University of Applied Sciences, VTT Technical Research Centre of Finland, and BusinessOulu and the Department of Healthcare and Social Welfare of the City of Oulu
- Activities are collaborative
 - business development
 - testing and piloting
 - research and innovation
 - outreaching activities

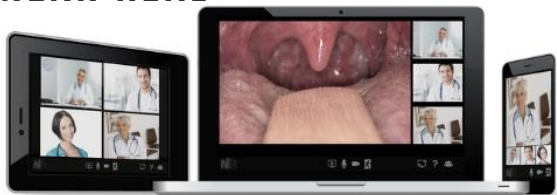




MONIDOR



NEAR REAL



OULU – 2. LARGEST HEALTH TECHNOLOGY HUB IN FINLAND



REVENUE
750M€
+9,8%

PERSONNEL
5200
+5,9 %

EXPORT REVENUE
164 M€
+11,8 %

*2019

International and national networks

European Connected Health Alliance
Founding Partner

DigitalHealthEurope
Expert member

Personalized Medicine & MedTech partnerships
(EU S3 Platform)

EU Urban agenda in digital transition
Coordinator

Nordic Health 2030
Expert member

HYTEAIRO
Well being and health
Artificial and robotics program

DigiHealth Knowledge HUB
National Knowledge network

EIP on AHA & RSCN
4* reference site &
executive board member

Nordic Proof
partner

FinCCHTA
National Coordination center of HTA

MEDigi
National coordination of Digital Medical School Education

Global network of MyData.org
Founding partner

Nordic Test Beds
Coordination of 5 testbeds (2015-2018)

Digital Health Revolution
National coordination of large research program (2014-2019)

INKA
National coordination of innovations of future health (2014-2017)



OULUHEALTH LABS

World-class development and testing environment

OULU WELFARELAB



OAMK SIMLAB



OYS TESTLAB



OuluHealth Labs provides a unique, integrated health test and development environment – including professionals' feedback – for every phase of R&D process. It covers the whole care chain from home to hospital and to home.

INVESTMENTS FOR THE FUTURE

FUTURE HOSPITAL 2030
The smartest hospital in the world



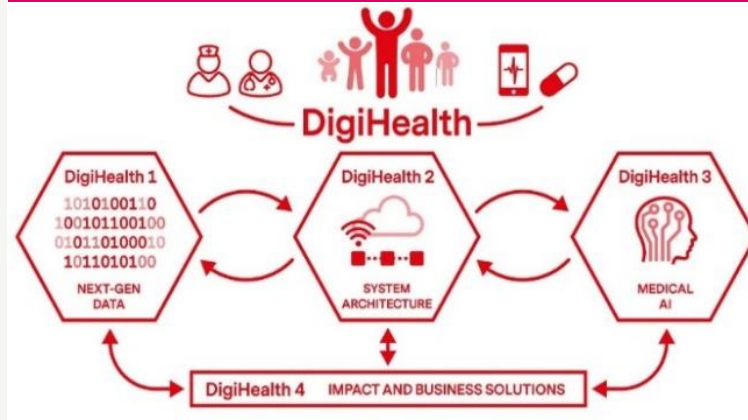
DIGITAL OULU PROGRAM
The city acts as a development platform



FRAMEWORK AGREEMENTS & JOINT ACTION PLANS WITH COMPANIES



DIGITAL HEALTH
Research programme



DIGIHEALTH HUB
Research and innovation support



Digital health and wellbeing solutions

Virtualization
of Care

OuluHealth Labs
Demand driven
Co-Creation platform

Digital and data skills
development

Spear head
programs
2020-2027

- Data-driven solutions as part of proactive and supportive health care
- Better services for citizens through virtual service production
- Development and expansion of OuluHealth Labs' functions and services
- Development of a welfare campus

CONTINUOUS DEVELOPMENT OF SERVICES TOWARDS EUROPEAN DIH NETWORK-Arctic EDIH

Test before invest

Demand-driven innovation process & co-development:

- A world-class demonstration & piloting environment, incl. digital integration platform and 5G test bed
- A service to assess the effectiveness of digital healthcare services/solutions based on the Digi-HTA criteria

Support to find investments

Training & education & collaborative R&D:

- Awareness raising about break through technologies and solutions
- Competence building in next-generation digital data exploitation (Data & AI, HPC, edge computing)

Skills and training

OULU
HEALTH

International business scaling:

- Acceleration of creation new business models and value chains when investing in digital products and solutions
- Support in financing and business modelling

Innovation ecosystems & networks

Broker service:

- Easy access to multi-partner/multi-sectorial ecosystem
- Co-development process - feedback from healthcare professionals and end-users
- Partnering & matchmaking
- Building relationships with national and international actors

Digital health and wellbeing solutions

Virtualization of
care



OuluHealth Labs
Demand driven
Co-Creation of
platform



Digital and data skills
development



Some topics of
interest for possible
common initiatives
and future projects

Strong collaborations with other Health DIHs to transform the healthcare system from reacting to illness, to proactively promoting health and preventing disease

- Horizon Europe program:
 - Setting up a European Smart Health Innovation Hub
 - A roadmap for personalised prevention
 - Innovative tools for use and re-use of health data
 - Data-driven decision-support tools for better health and care delivery and policy-making
 - New methods for the effective use of real-world data and/or synthetic data in regulatory decision-making and/or in health technology assessment
 - Uptake of Technical specifications for “Quality and Reliability of Health and Wellness Apps” – promoting a trusted 'mhealth label' in Europe

Thank You!



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