

OuluHealth ecosystem

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OULUHEALTH STAKEHOLDERS

**SOCIAL &
HEALTHCARE
SECTOR**

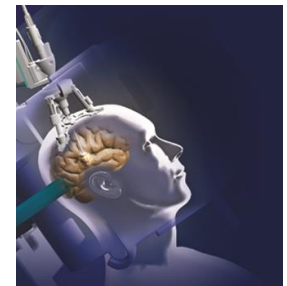
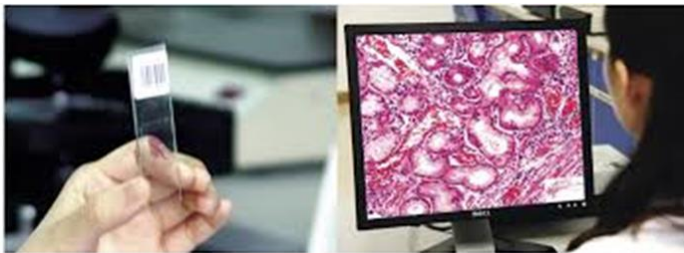
**LIFE SCIENCE
COMPANIES**



**RESEARCH &
INNOVATION**

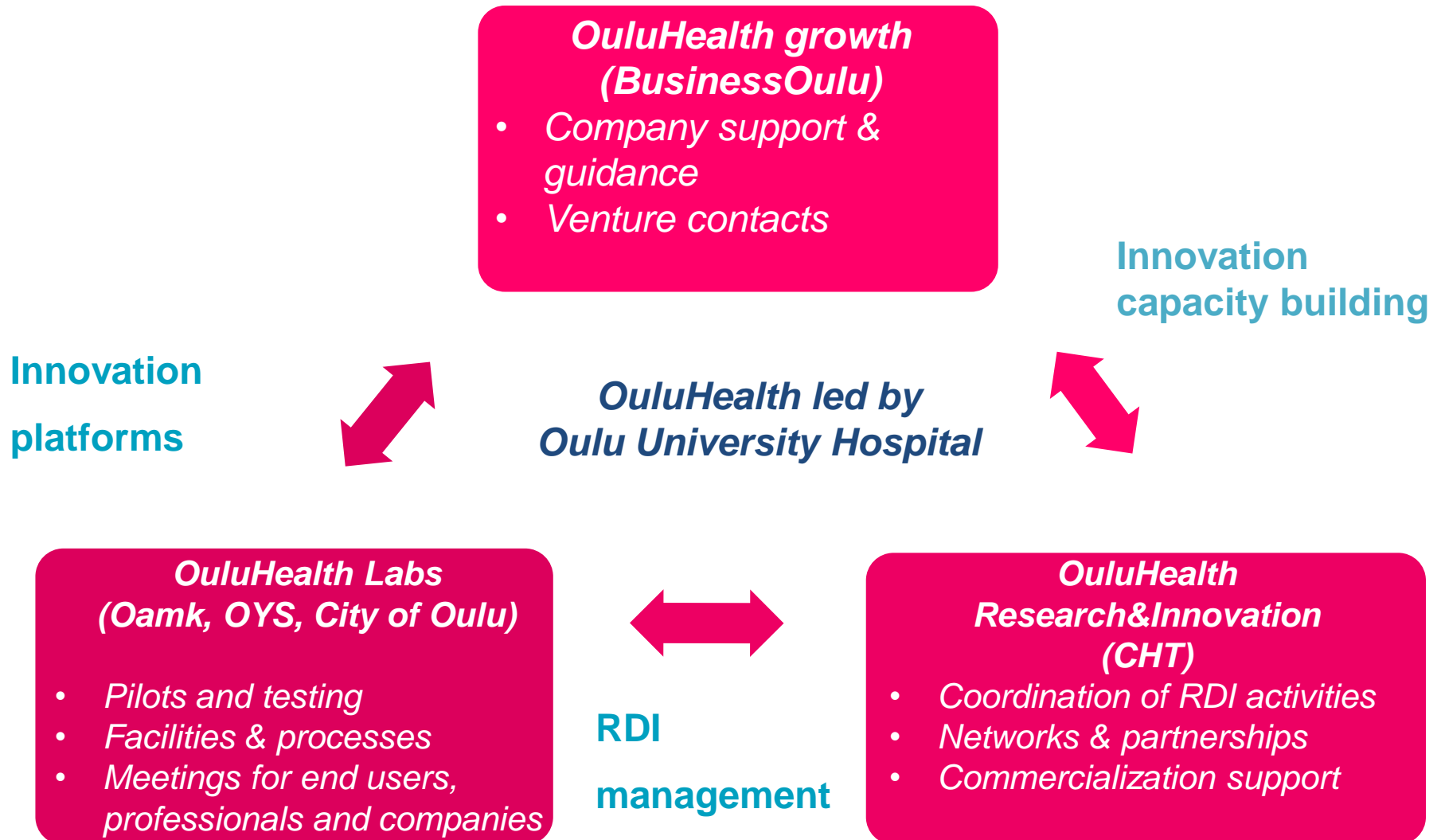
Focus areas of OuluHealth ecosystem

- **Personalized Health and Wellbeing**
- **Efficient and Effective Health and Social Services**
- **The World's Smartest University Hospital**



Take the opportunity of health and digital technologies in transformation of care – multimodal imaging, robotics, printed intelligence, AI, 5G, ..

Operational model of OuluHealth ecosystem

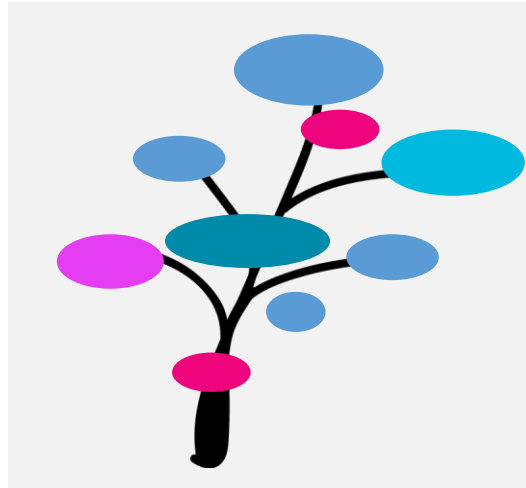


Several activities are supported by OuluHealth co-operation model

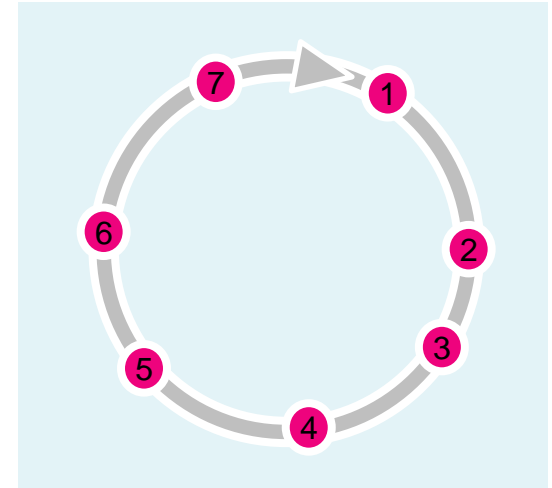
Facilitating strategic cooperation



Accelerating new business creation



Creating new innovation models

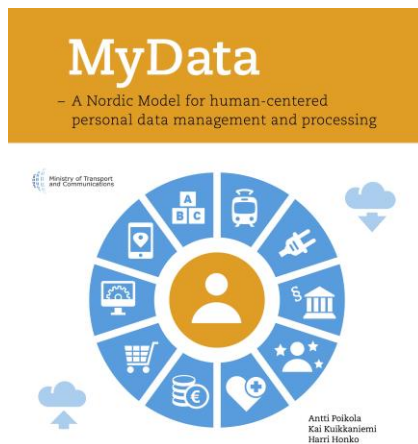


Examples:
Facilitating
strategic
cooperation



University hospital of Oulu: Digital platform creation is supporting the development of future health care solutions

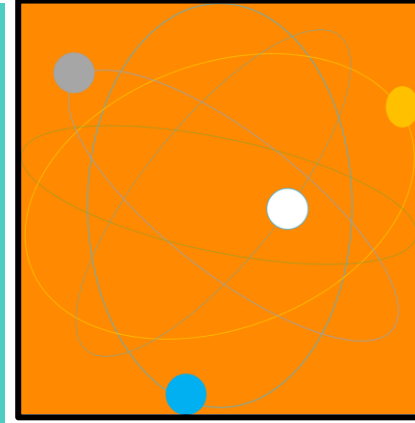
Data-driven healthcare



Virtual care



Artificial intelligence



Digital service
co-creation platform

Examples: Facilitating strategic cooperation

Nordic Test Beds

Health product testing opportunities in 5 Nordic university hospital testbeds – connecting healthcare professionals and entrepreneurs.



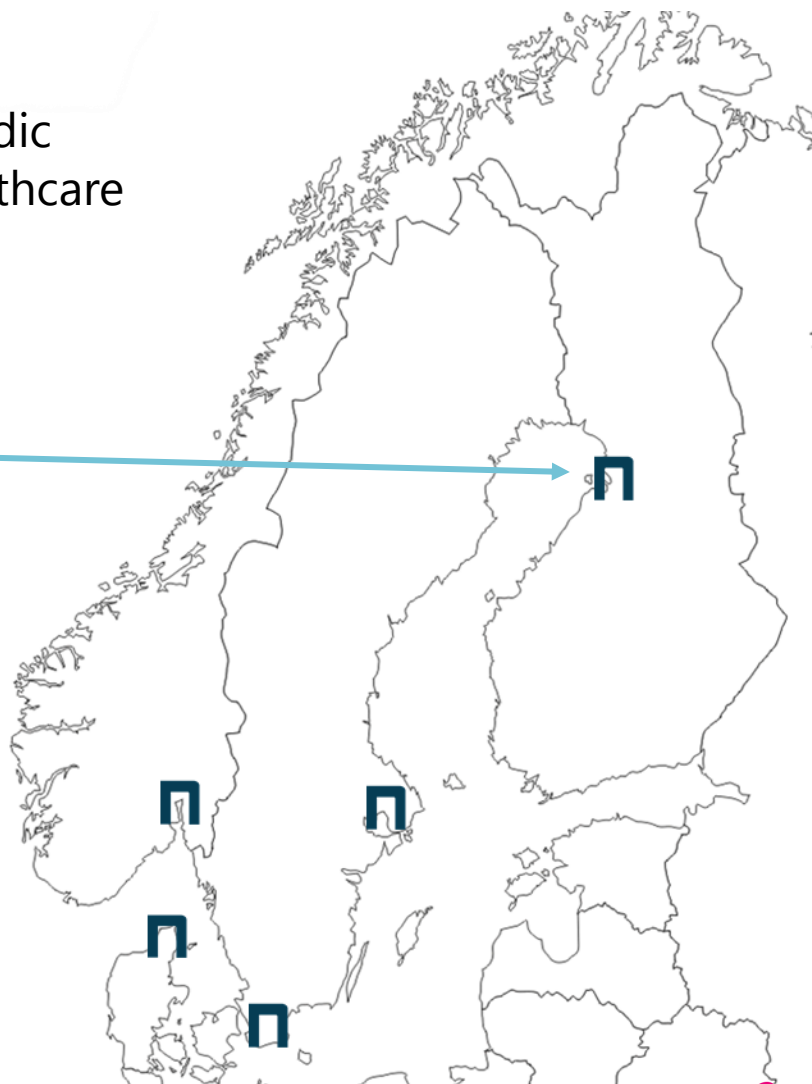
Uppsala, Sweden



AALBORG UNIVERSITY HOSPITAL



Lund, Sweden



Nordic Test Beds

Altogether 15 products/services will be tested.
The products already selected for testing have potential for improving patient safety in the hospitals, reduce costs and/or improve productivity.



City of Oulu is one of reference sites for Active Healthy Aging (AHA)

EIP Reference Sites

32 RSs => 12 MSs

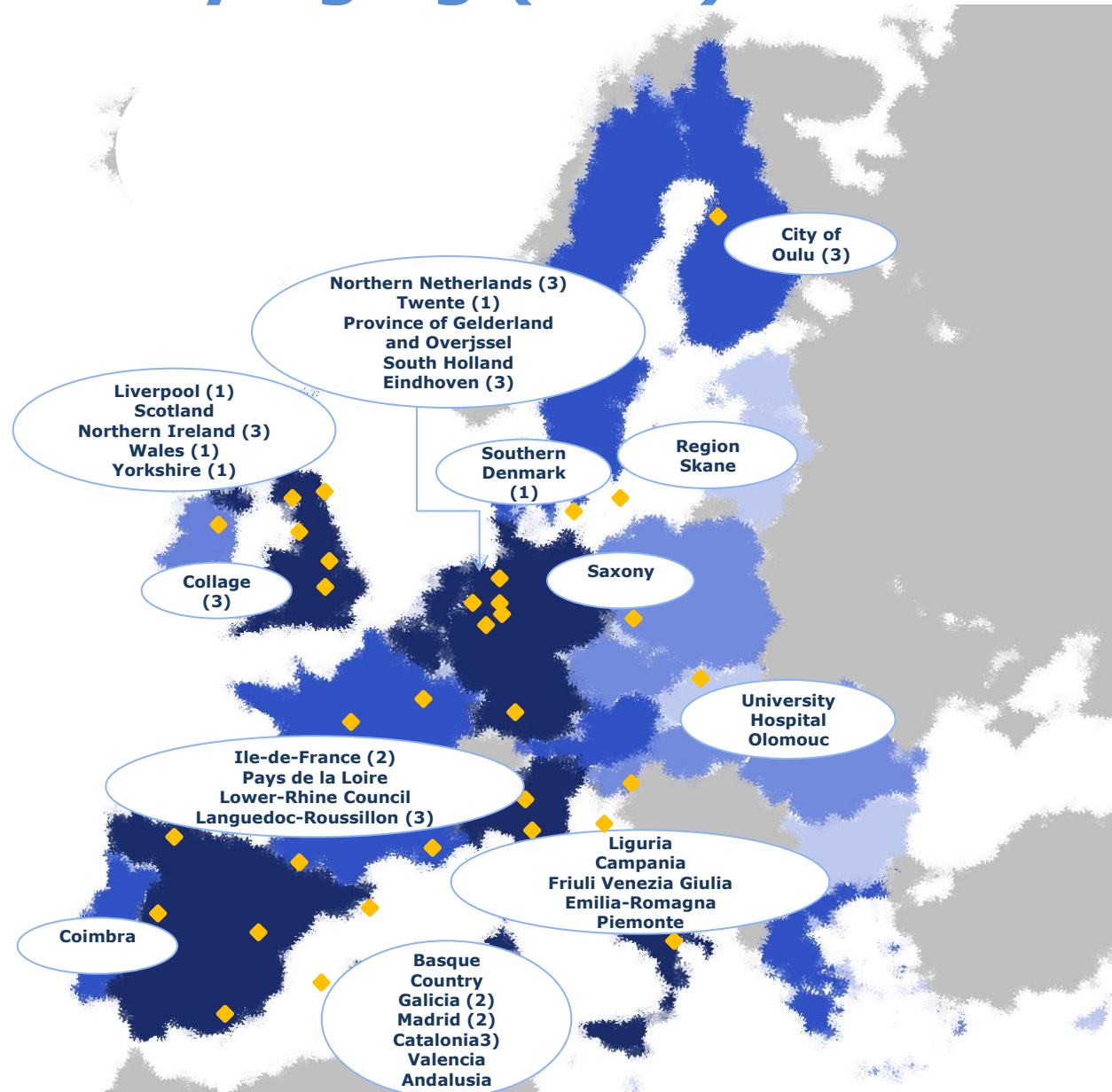
selected for self-assessment and peer-review
(innovation, scalability, outcomes)

150+ good practices of care innovation-based
impact on the ground

1 July 2013 – Star Ceremony

announcement of best RSs with stars, ready for
replication and coaching

★★★★★ 13 Reference Sites
★★★★ 12 Reference Sites
★★★ 7 Reference Sites



Initial Partnership:

- ❖ The city of Oulu -> 2 star reference site, member of the Reference Site Collaboration Network, run by the *Department of Health, Social Services and Public Safety in Northern Ireland*
- ❖ Commitments to A2: Fall Prevention, B3: Intergreated Care, C2: Independent Living Groups
- ❖ Result: Networking Activities and numerous European Projects , e.g. SILVER.



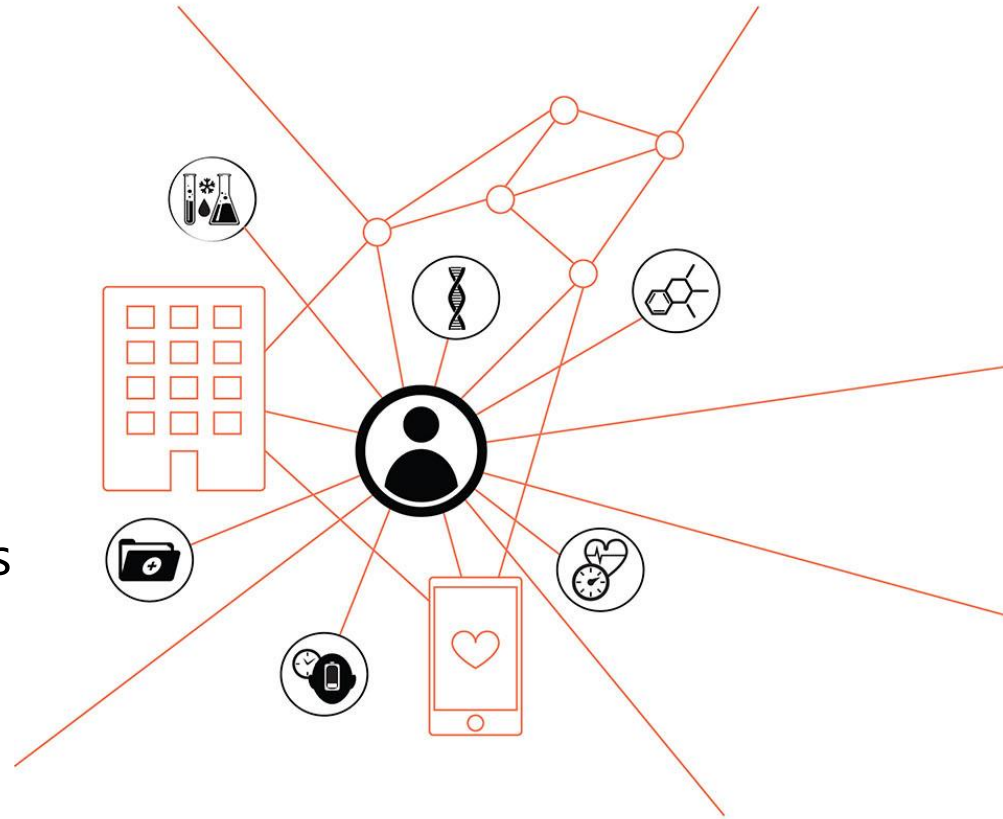
New Call 2016:

- ❖ OuluHealth -> 3 star reference site, member of the Reference Site Collaboration Network & member of the Reference Sites Nordic Community.
- ❖ New collaboration programs and projects are currently being planned.

Digital Health Revolution - large strategic research program

Multi-disciplinary research consortium – 7 universities from Finland:

We are studying the opportunities for future person-centric health service ecosystem with modern data management models (Mydata)



TAMPERE UNIVERSITY OF TECHNOLOGY



UNIVERSITY OF LAPLAND
LAPIN YLIOPISTO



Aalto University



Centre for Health & Technology



UNIVERSITY OF HELSINKI



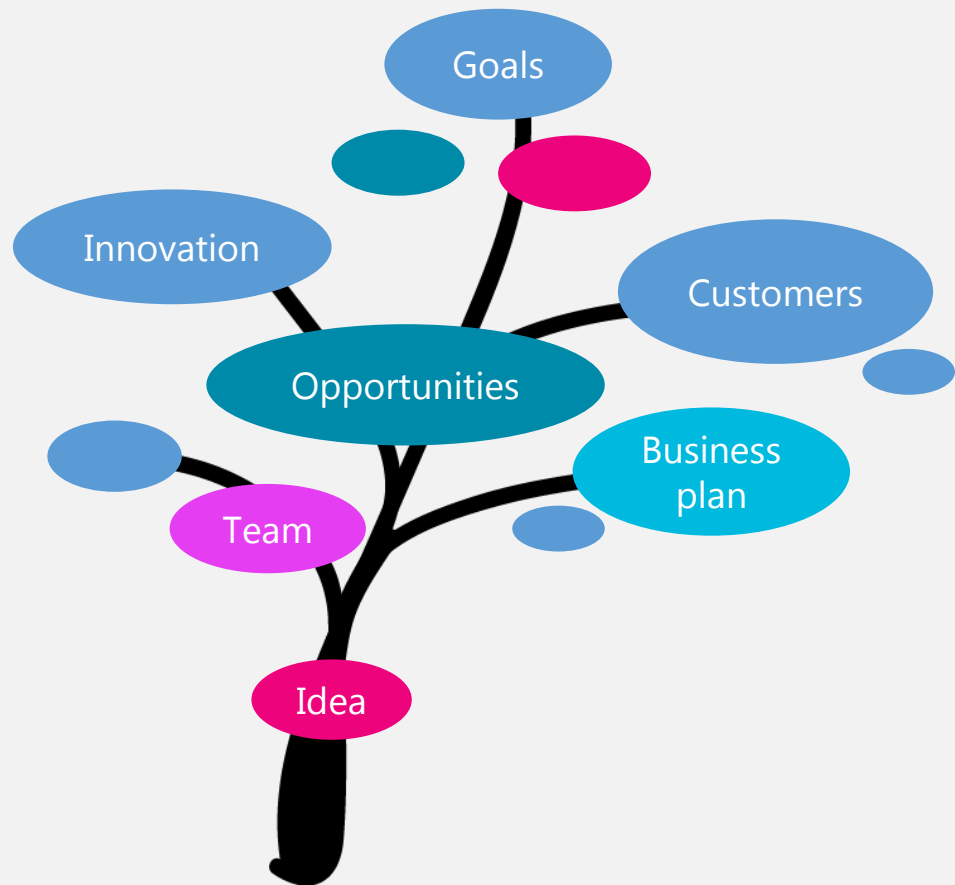
FIMM

Tekes



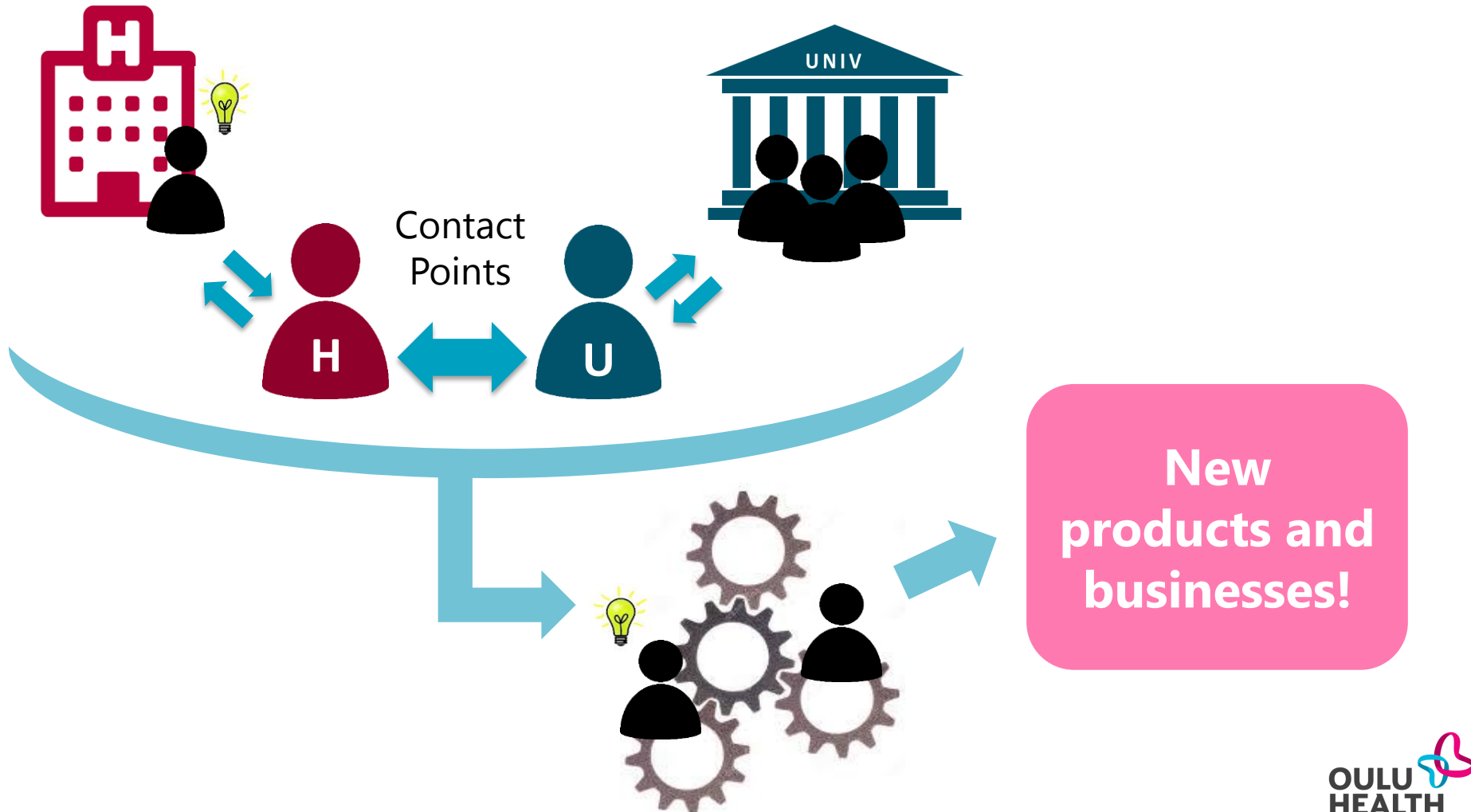
Examples: Accelerating new business creation

From researchers' ideas to business



Examples: Accelerating new business creation

From healthcare professionals' ideas to business



Examples: Healthcare business

Optomed



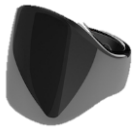
QuietOn



Peili Vision



OuraRing



Medanets



Polar





Ecosystem with strong integration providers



Some OuluHealth projects

Thalea⁾⁾⁾



midas
Meaningful Integration of Data, Analytics and Services

d  **b**
DATASTA OIVALLUKSIA
JA BISNESTÄ

WILLE

DIGITAL HEALTH REVOLUTION


magic

 **CONNECT**: *collecting nordic best practice within welfare technology*

FICHe
Future Internet Challenge eHealth

 **SILVER**
Supporting Independent Living
for the Elderly through Robotics

NoTeB
Nordic Test Beds

READi

for Health
Developing and Promoting
eHealth innovation

SUMMARY of RESULTS

- Growth for local businesses
- New jobs in private health sector
- Digital self-care management on-line tool available for all citizens
- Leadership role in two national health programs
- Novel, integrated innovation platform for companies (OuluHealth Labs)
 - Includes primary care, home care, hospital care, students
 - OYS TestLab has worlds first 5G test network for new service development
 - Digital patient health record opened for innovation purposes, utilizing open interfaces for integration of different patient data management systems
- Successful company pilots in real healthcare environment
- EU level Reference Site Status European innovation Partnerships in Active & Healthy Ageing (EIP-AHA)
- Positive funding decisions for several RDI projects
- Leader of EU Urban Agenda in Digital Transition with Estonia and Bulgaria.
- International partnerships
- Strategic partnerships with companies



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UNIVERSITY
OF OULU

