From Research to Human Tech Solutions and Market Uptake

European start-ups for Active and Healthy Ageing - Regions respond to demographic change - interconnecting innovation and entrepreneurship ecosystems for large scale AHA innovation deployment 10.12.2016

Dr. Tuija Hirvikoski
Tuija.Hirvikoski@Laurea.fi

Director at Laurea
President of European Network of LivingLabs
Helsinki SMART region, member of coordinating committee
How?
Living Labs and Open Innovation
Empowering everyone to innovate!

1. ENoLL Learning Lab
   Digital and face-to-face coaching

2. ENoLL 10th wave
   New call for membership applications till March 7th 2016

3. OpenLivingLab days 2016
   Summer school for Living Labs managers/practitioners
   Montreal, 23-26 August 2016
Open Innovation 2.0 in 20 Snapshots

WHAT, WHO and Where?

Helsinki Health Capital
Human Health Tech
Co-design & Start Up school and accelerator
Based on open engagement platforms and DSM in Europe, utilizing Oi2 & LivingLab methodology and cross-border pilots (ENoLL), by scaling up (ENoLL)

we create new start-ups, industries, growth and jobs, attracting inward investments, provings better services.
From innovations to export products

Health Capital Helsinki & Human Health Tech RIS3

creating new Digital Health industries based on open engagement platforms and DSM in Europe
Helsinki RIS3 SMART Region priorities

**URBAN CLEANTECH** The cleantech metropolis platform
Helsinki Region Smart & Clean, Carbon Neutral Region, Climate KIC...

**WELFARE CITY** Everyday wellbeing in the city
*City as ecosystem - Combining city development and digitalisation*
Council funds coordination projects

**DIGITALIZING INDUSTRY** The digital renewal of industries
Council funds coordination projects

**HUMAN HEALTH TECH**
Human-centred health and wellbeing solutions
*Technology natural part of human-centred health services and wellbeing solutions*
Portfolio: Health Capital Helsinki, Life Science Center, Health Spa... & Council funds Laurea’s coordination “Co-created Healthier Uusimaa”

**SMART CITIZEN** Citizen of the internet era
Using open data and Big Data
Make citizens’ life easier with technology,

Website promoting SMART Helsinki Region in Europe and further open in June 2016

Digitalisation as a crosscutting driver of change

From regional engagement platform with ENoLL and DSM towards worldwide distribution
National Health Sector Growth Strategy for Research and Innovation Activities (FIN)

OPEN INNOVATION AND VALIDATION PLATFORMS

- Joint value creation engaging firms, public players, researchers and end-users
- From innovations to export products and wellbeing

Health Capital Helsinki

Future Health Care and Wellbeing
RIS3 Human Health Tech

3UAS Laurea, Metropolia, Haaga-Helia with 38,000 students &

Start Up accelerator ecosystem & services

SMEs and Multinationals

Technology and Research & Value Co-creation and User Engagement &
Evaluation and Validation &
Business and Value Model Development and Piloting

National and EU funding

Private investors: BA, VC, serial entrepreneurs
Digital Single Market & worldwide distribution
Promoting Self-care and good life to do research, co-create innovations and make business
Co-created Healthier Uusimaa - Implementation of Smart Specialisation (RIS3)
Human Health Tech

focuses on

- promoting innovative health tech services developed for active and independent health promotion and self-care supported by the professionals when needed.

Contact: anne.ayvari@laurea.fi
Co-created Healthier Uusimaa

- enable the building of a large and committed network of all the relevant actors within the Helsinki-Uusimaa region
- support building new relationships with corresponding organizations in other EU countries
- support regional level collaboration between different regional agents in Europe
- strengthen the competences in user-centric design and co-creation methods by organizing workshops for enterprises, public and third sector organisations and citizens
- construct a conceptual model and business case for the so-called user panel which will, once in use, enhance rapid prototyping and validating activities of all the organisations developing human health tech solutions
- open new paths to international RDI consortiaims for human health tech actors in the Helsinki-Uusimaa region.

Contact: anne.ayvari@laurea.fi
LifeScience and health technology field to do research, co-create innovations and make business

City of Helsinki, University of Helsinki, Aalto University and the Helsinki and Uusimaa Hospital District (HUS)
Why Health Capital Helsinki?

- Track record in life sciences and health technologies (M&A) & export (2014) $1,6B with annual growth of 8% (FIHTA) & total company base of 400+ companies with $3,5B revenue:
- Boom of start up companies: Tradition for collaboration with healthcare professionals and bigger companies locally and internationally
- Cross-disciplinary research & collaboration with industry and healthcare to make innovations for better tech transfer to address unmet needs of industry and healthcare.

Contact: tuula.palmen@helsinkibusinesshub.fi
Health Capital Helsinki - what’s up?

• Open innovation and engagement arena
  • Under design at the close vicinity of University Hospital (Biomedicum)
  • Helsinki Future Health and Well-being Centre

• Co-creating with:
  • Healthcare professionals, engineers, scientists in lifescience, medicine and business and industry to innovate, co-create and commercialize

• Processes & roles and rules for collaboration
• Process from research to international business
• Services for start ups, SMEs and big companies
• Support actions to to international events such as Slush

Contact: tuula.palmen@helsinkibusinesshub.fi
Examples

Robotics, Apps, games, digital learning material for professionals, technology library and showroom
The project adopts a multidisciplinary and holistic approach to study how advances in robot and perception technologies allow product and service innovation and renewal of welfare services, when such services are developed jointly with users and other stakeholders.

Aalto, TUT, VTT, UTA-SOS, Laurea, UTA-FIL

@ROSERobotic https://twitter.com/ROSERobotic
Contact: Paula.lehto@laurea.fi
DeDiWe curriculum and eLearning material gives future professionals (IT, social, economic and health care) skills in developing improved eHealth services.

creating new jobs in the Central Baltic region and by improving professionals’ eHealth competence we support eHealth companies.

Contact: outi.Ahonen@laurea.fi
Twitter: @DeDiWeHealth
Network of Living Labs

Empowering everyone to innovate!

Dr. Tuija Hirvikoski
ENoLL President, Laurea, Finland
Artur Serra
ENoLL Vice-President, i2Cat, Spain
Ana Garcia
ENoLL Director, Belgium

@openlivinglabs
#LivingLabs