

Smart Specialisation in Oulu Region

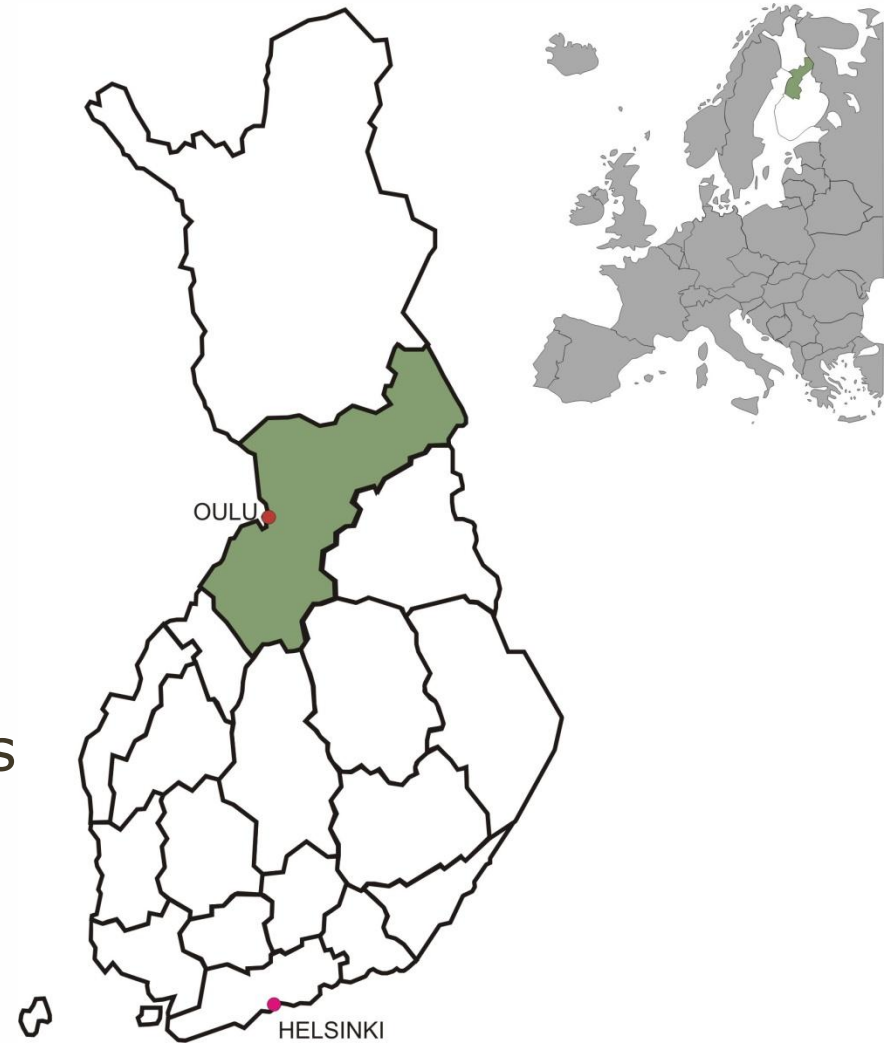
NSPA forum, 22 May 2013

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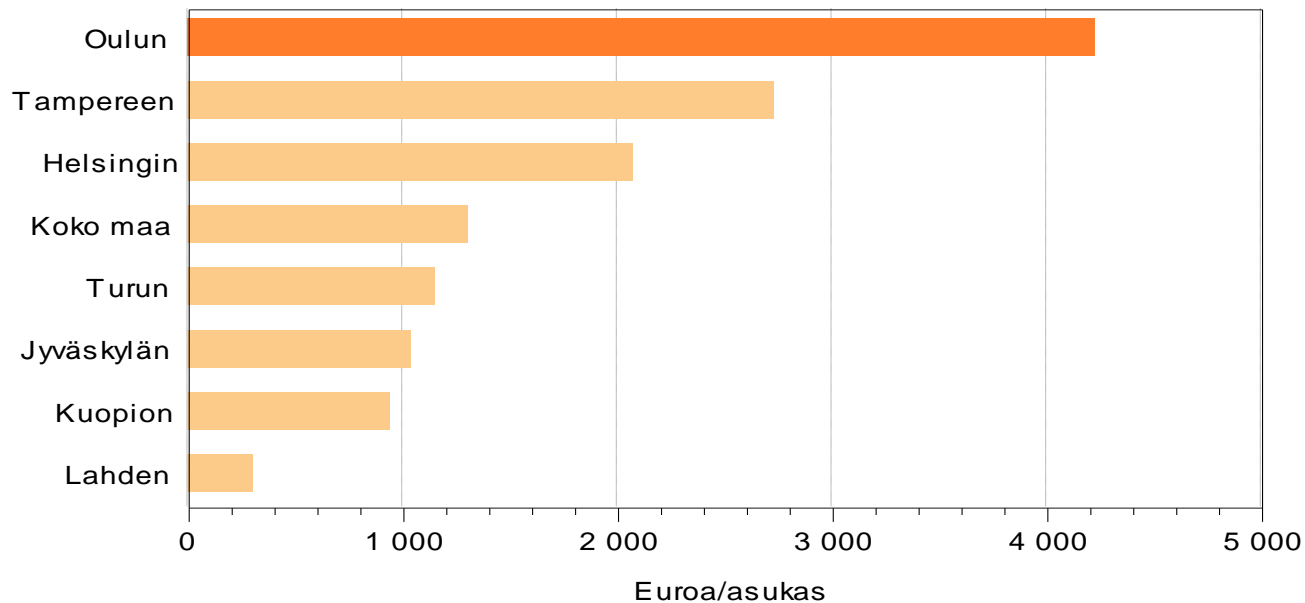


OULU REGION

- One of the 20 regions
- Area 37 000 sq km, almost like size of Netherlands
- 34 municipalities, 400 000 inhabitants
- City of Oulu 190 000 inhabitants



Research and development expenditure 2011



Tutkimus- ja kehittämistoiminnan menot 2010

- Salon seutukunta 4 489,4 € / asukas.
- Oulun seutukunta 4 158 € / asukas.
- Tampereen seutukunta 3 015,4 € / asukas ja
- Helsingin seutukunta 2 132,9 € / asukas.
- Koko maan keskiarvo 1 299,8 € / asukas.

Tutkimus- ja kehittämistoiminnan menot 2011

- Salon seutukunta 5 534 € / asukas.
- Oulun seutukunta 4 279 € / asukas.
- Tampereen seutukunta 2 765 € / asukas ja
- Helsingin seutukunta 2 110 € / asukas.
- Koko maan keskiarvo 1 330 € / asukas.

Lähde:
Tilastokeskus/Tiede
ja teknologia,
Seutunet



Region of Innovation

- R&D expenditure over **1 billion** euros year 2011
- Private sector share 80 procent
- 20 years of success, especially in ICT
- Is this the tipping point?



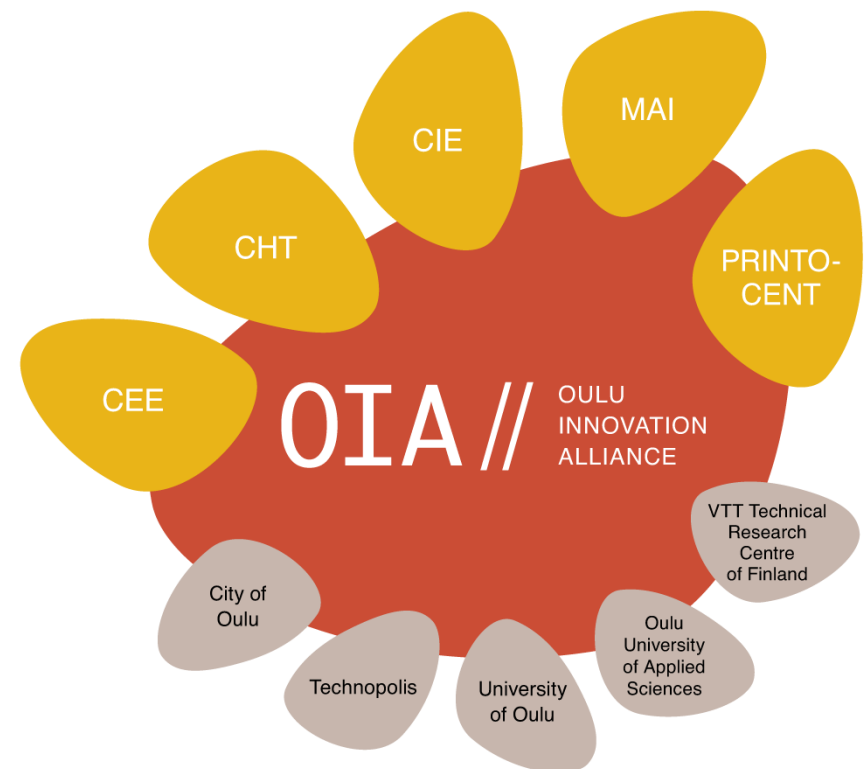
Serious structural changes

- Other regions reached the advance in innovation
- Stronger input and focus in other clusters and themes
 - For example: Oulu Innovation Alliance



Oulu Innovation Alliance (OIA)

- Innovation Alliance brings together research and companies. OIA consists of 5 centers which have own working practices and project portfolios.
- Creation of new knowledge and competence in the areas of expertise which are expected to be important in businesses in the future



Oulu Innovation Alliance

- **Centre for Energy and Environment (CEE)** brings together environment and energy businesses; researchers, developers and investors. CEE is a knowledge hub creating efficient connections between business expertise, top research; and investors and the R&D&I projects.
- **PrintoCent** is a business and production environment for companies to manufacture components, products and solutions based on Printed Intelligent processes. Around 180 professionals working in the PrintoCent community.



Oulu Innovation Alliance

- **Center for Internet Excellence (CIE)** is a research and innovation unit at the University of Oulu, which combines leading-edge Internet research, innovation processes and new infrastructures.
- **The Centre for Health and Technology (CHT)** is a regional research and business-driven Innovation centre, which associates universities, research centers, enterprises and regional authorities. Main interest is to develop next generation social and health care technologies, processes and services in close co-operation with companies.



Readi for Health –FP7 project

- Regional agendas for healthcare
- Starting at September
- Murcia, Oulu Region, Skåne, Centré
- Enabling Technologies
 - **Interoperability** (Standards, Test beds)
 - **Cloud Technology** (enabler for services)
 - **Access to information** anytime anywhere safely (smart devices, usability and safety)



Smart Specialisation process 2013- 2014

- Started at february
- Intensive april- may
- Smart specialisation part of regional development plan and of regional structural funds programme 2014-2020 preparation



Smart Specialisation process 2013- 2014

- Guidance from Ministry of Employment and Economy
- Commission's proposals – S3 process and platform
- Common process for regions in East and North Finland



Smart Specialisation process 2013- 2014

- Evaluation of past development and choices
- Analysis of current situation of innovation environment
- SWOT- analysis of region's future in innovation



Smart Specialisation

- Critical mass of companies
- World class expertise
- Universities' and research institutions' own choices
- National and EU's priorities
- Support by other processes and key projects



Smart Specialisation process 2013- 2014

- Wood- and steel clusters important employers
- Existing or potential market demand
- Specialisation in industries with growth potential and special expertise



Choices in Oulu Region/May 2013

- **ICT** (special focus on software) and it's appliances in different industries and business areas
- Value chain in basic industries: **mining, steel and processing industries, woodindustry**
- **Clean** technologies, incl. **Energy**
- **Health and wellness technology**



Process continues

- More need to diversify than reduce choices
- Support is not available for all promising themes
- Chance of unsuccessful choices



Process continues

- Real challenge to find most potential fields of activity
- Clusters need time to develop
- Very strong r&d input - more concrete services and products



Thank you

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