



Visions for research and regional innovation in multilevel governance settings – from regional to EU priorities

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Maarit Palonen

Counsellor of Education

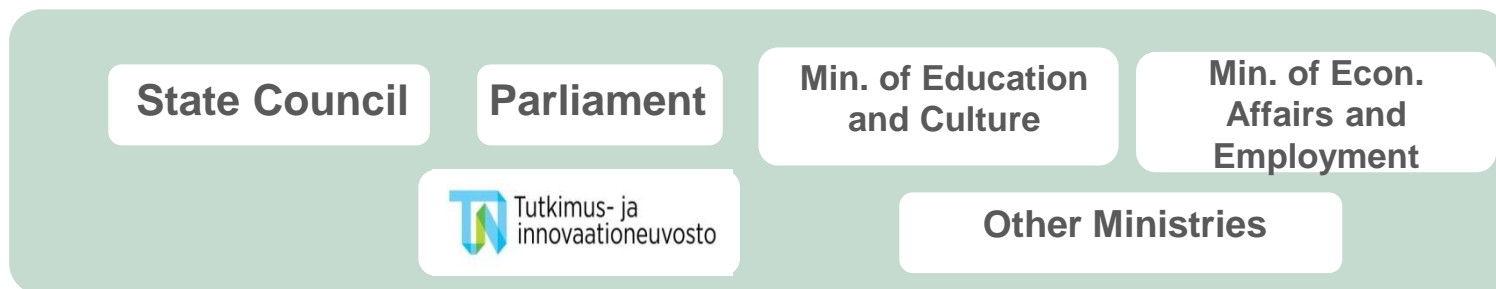
Department of Higher Education and Science Policy

Ministry of Education and Culture

Ministère de l'Éducation et de la Culture

Finnish research and innovation system

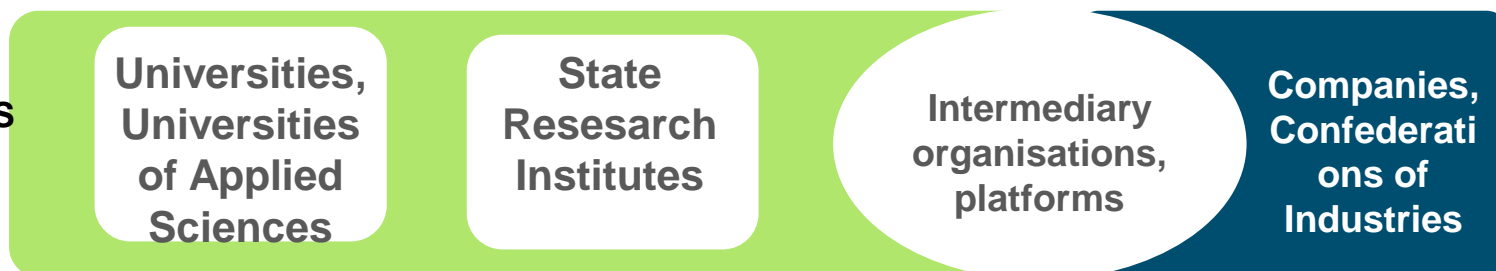
LEGISLATION, POLICIES



FUNDING, SUPPORT



COMPETENCES



Private Sector

PRIMARY AND SECONDARY EDUCATION

Basics about Finnish HE, research and science

Binary higher education system

14 universities

BA
MA
Doctoral training
Scientific research

5 University hospitals

23 universities of
Applied Sciences

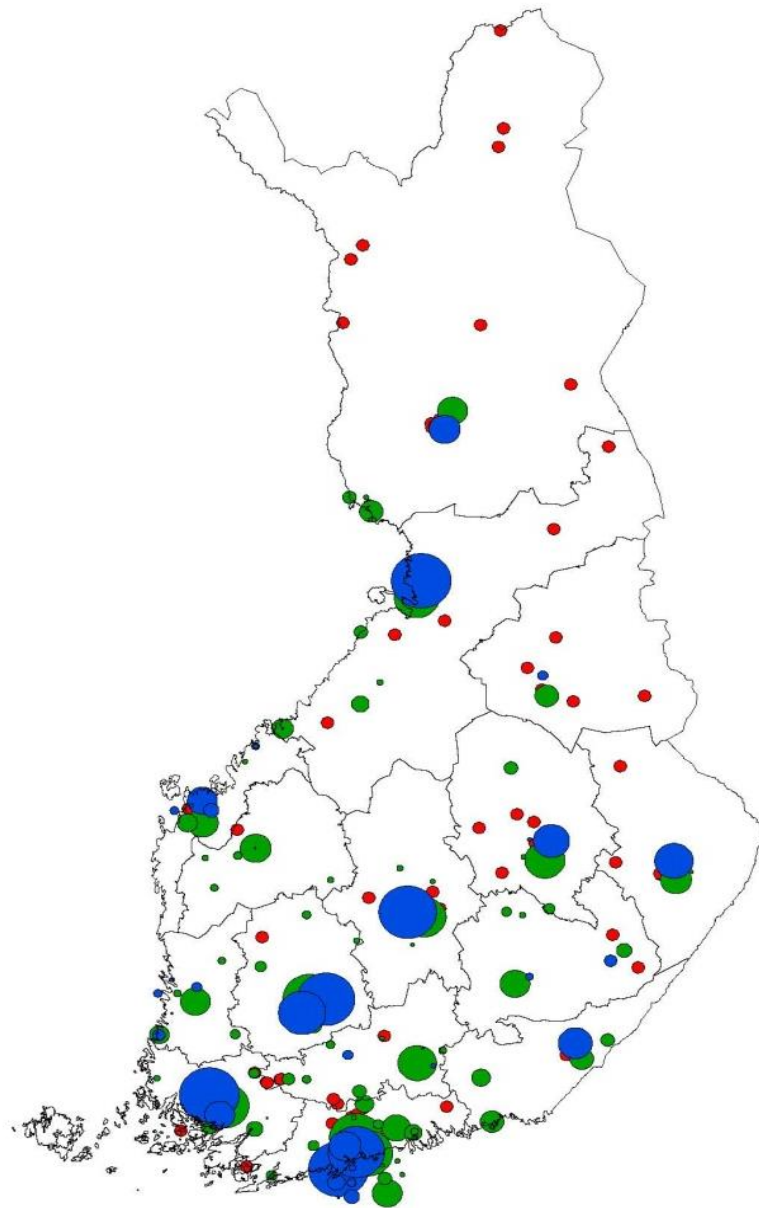
BA
MA

12 state research
institutes
(in 10
administrative
branches)

Expenditure on
tertiary education
institutions is 1,8% of
GDP (incl. R&D
activities)

Finland's R&D
expenditure is ~ 3%
of GDP

Population
5.5 million

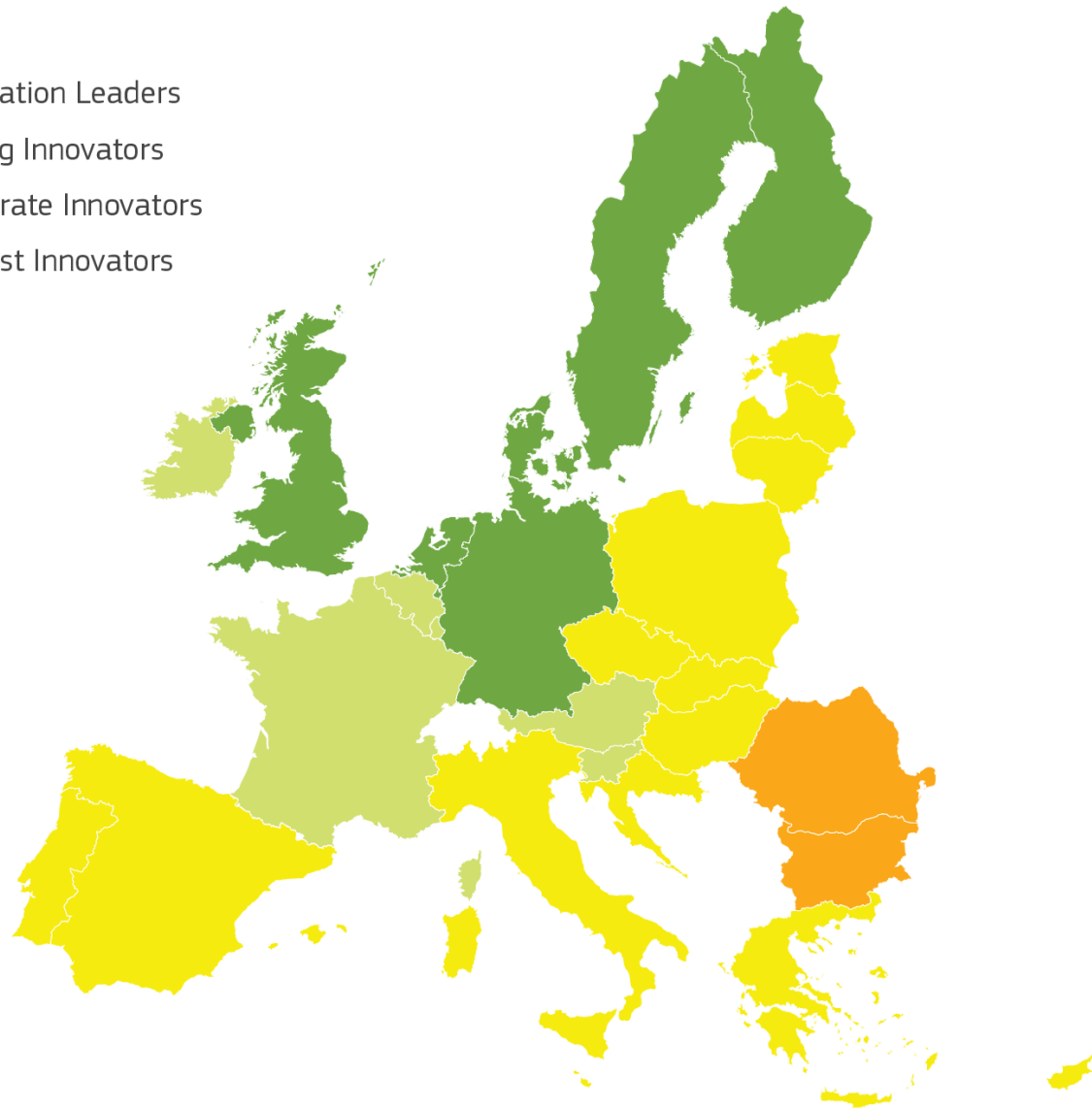


University

University of Applied Science

State Research Institute

- Innovation Leaders
- Strong Innovators
- Moderate Innovators
- Modest Innovators



Finland is one of the leading countries in innovation.

Kuva: European Innovation Score board 2017

Future-proof Finland in 2025

Suomi
Finland
100



Kuva, vasen: Veikko Somerpuro / Helsingin yliopisto oikea: Mika Huisman / Helsingin yliopisto

Cooperation between HEIs and business life strengthened to bring innovations to the market



The impact and utilisation of research results will be strengthened. The profiles and respective responsibilities of HEIs and research institutes will be clarified and cooperation between them will be increased. Knowledge and expertise will be pooled in competitive centres of excellence.

- Collaboration intensified between ministries in steering and funding of HEI's and research institutes to enhance closer cooperation
- Open Science and Research Initiative 2014-2017
- **OECD review of Finnish STI system**
- State of Finnish Scientific Research by Academy of Finland (AoF) 12/2016
- 30 M€ funding by the AoF in 2016 to support utilisation of research emerging from ongoing projects (similar to ERC Proof of Concept funding)
- 50 M€ funding by the AoF to support the strategic profiling of Finnish universities. In the 2016 call (PROFI3) attention will be paid to the distribution of work and the collaboration between universities.

Experimentations and initiatives

- Fitech - Finnish Institute of Technology
 - high-quality education, research and innovation activities in the field of technology as cooperation between universities and businesses
 - support the positive structural change in Southwest Finland by means of university education and innovation activities
- Launching regional innovations and experimentations
 - The aim is to ensure Finland's competitiveness, promote growth and use resources and expertise available in different parts of the country.
 - Tools: 1) measures for anticipated structural changes, 2) growth agreements between the state and selected cities, and 3) establishing nationally important growth zones.

PROCEDURES FOR MAKING STRATEGIC CHOICES

*Suomi
Finland*
**FINLAND IS THE MOST
ATTRACTIVE
AND COMPETENT
ENVIRONMENT FOR
EXPERIMENT AND
INNOVATION**

ENSURING SUFFICIENT COMPETENCE BASE

Higher level of competence, competences that
meet the needs
Effectiveness of R&D&I resources and bringing
them together
Cross-sectoral R&D&I activities and training

Education, inclusion and meaningfulness as Finland's

DEVELOPMENT OF COMPETENCE PLATFORMS AND GROWTH ECOSYSTEMS

Public administration as an
enabler
Competence platforms accelerate the introduction of
new solutions
Innovation partnerships and ecosystems renew the
economy
Data and artificial intelligence as drivers of
platform economy

INTERNATIONALITY AS A PREREQUISITE FOR HIGH QUALITY AND EFFECTIVENESS

More attractive Finland

Mobility as a norm

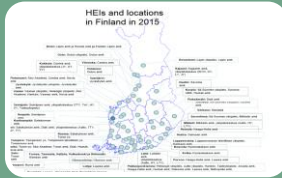
Finnish actors claim their position
in global networks

Vision for higher education and research in Finland 2030



- The MoEC has launched vision work with the aim of defining objectives for the Finnish higher education and research until the year 2030.
- The purpose of the vision work is to produce a future scenario which will enable a high-quality, effective and internationally competitive development of the Finnish higher education system by the year 2030.
- The vision has been drawn up in broad cooperation with higher education institutions and other stakeholders.
- The vision has been prepared in thematic seminars, workshops, and digital online brainstorming sessions.
- The vision will be published by October 2017.

Vision 2030 for higher education and research



Structure and scale of HE system



Degrees and volume of education



Steering, funding and management



Impact



Thank you!

Maarit Palonen
Counsellor of Education
tel +358 2953 30095
maarit.palonen@minedu.fi

Photo: Julia Kivelä / Visit Finland