

Helsinki Region #1 Innovation Region in Europe

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"BIG FIVE" NETWORK

Stockholm

- Population: **2.3 million**
- Employment rate: **79.2%**
- Employment in knowledge intensive services: **61.0%**
- R&D-expenditures (PPS): **4.3 billion**
- GDP per capita (PPS): **50 400 euros**

Copenhagen

- Population: **1.8 million**
- Employment rate: **76.2%**
- Employment in knowledge intensive services: **55.1%**
- R&D-expenditures (PPS): **3.9 billion**
- GDP per capita (PPS): **46 300 euros**

Helsinki-Uusimaa

- Population: **1.7 million**
- Employment rate: **73.3%**
- Employment in knowledge intensive services: **51.8%**
- R&D-expenditures (PPS): **2.4 billion**
- GDP per capita (PPS): **41 900 euros**

North-Holland (Amsterdam)

- Population: **2.8 million**
- Employment rate: **77.5%**
- Employment in knowledge intensive services: **49.3%**
- R&D-expenditures (PPS): **2.3 billion**
- GDP per capita (PPS): **47 800 euros**

Hamburg

- Population: **1.8 million**
- Employment rate: **76.4%**
- Employment in knowledge intensive services: **47.4%**
- R&D-expenditures (PPS): **2.3 billion**
- GDP per capita (PPS): **58 300 euros**

FINLAND – THE GLOBAL INNOVATION ACCELERATOR

1st in the
Europe 2020
Competitiveness
Index

**The
most
innovative
and highly
educated country
in the world**

(The World Economic
Forum, Global
Competitiveness Report
2014–2015)

**The
most
digital
startups per
capita in the
world**

**The
world's
greenest
country**
(2016 Environmental
Performance Index)

**The
best
primary
education
system in the
world**



Espoo
Innovation
Garden

Aalto University: Innovative and Entrepreneurial

ICT & digitalisation

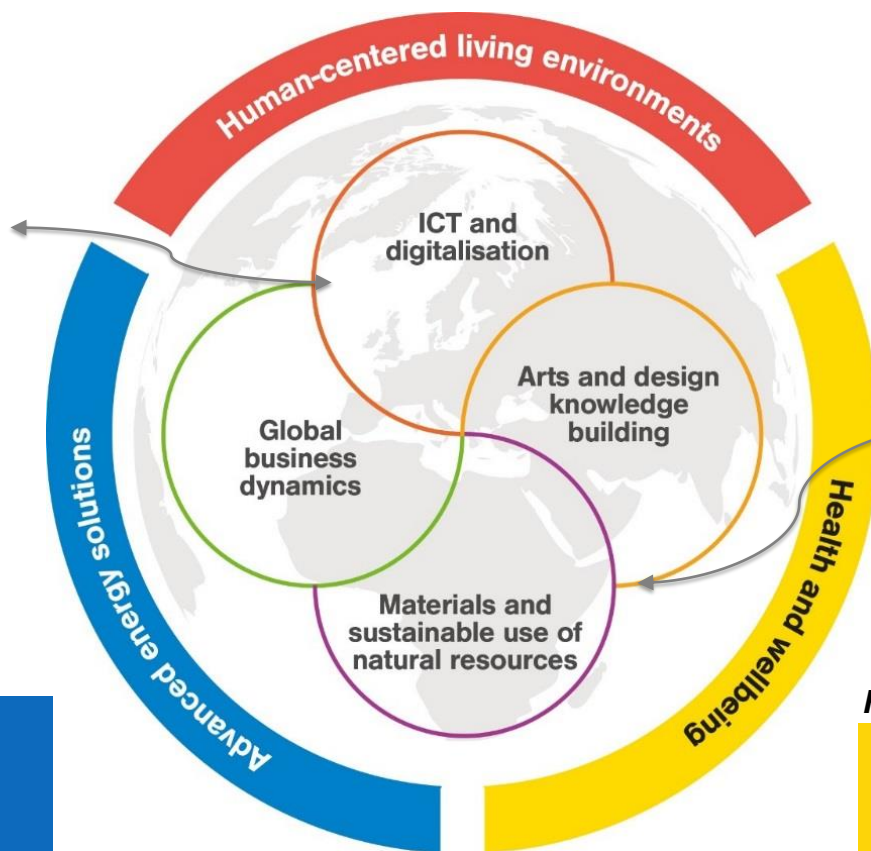
98 professors
47 recruitments
65 M€ Aalto budget
50 M€ ext. funding

Global business

85 professors
51 recruitments
40 M€ Aalto budget
15 M€ ext. funding

Advanced energy

20 professors
13 recruitments
15 M€ Aalto budget
10 M€ ext. funding



Human-centered living environments

25 professors
19 recruitments
20 M€ Aalto budget
5 M€ ext. funding

Arts & design

28 professors
25 recruitments
20 M€ Aalto budget
5 M€ ext. funding

Materials & resources

61 professors
36 recruitments
45 M€ Aalto budget
30 M€ ext. funding

Health & wellbeing

14 professors
9 recruitments
10 M€ Aalto budget
5 M€ ext. funding

3-YEAR

CROSS REGIONAL ENGAGEMENT
PROCESS

CAPACITY BUILDING FOR REGIONAL
INNOVATION & RIS3 IMPLEMENTATION

SMART-UP
BSR:
BALTIC
SEA
REGION

LEARN
HANDSON

INNOVATION
CAMPS

BUILD
SOLUTIONS

DYNAMIC

ENTREPRE-
NEURIAL

ENGAGING

policy & decision-
making

BSR
2040

SMART &
SUSTAINABLE

EVIDENCE

ECONOMY

BSR RIS3

DIGITAL-
ISATION IN
SMART CITY

CLIMATE CHANGE

BSR
BOTTOM-
UP
INNOVATION
& PROCESS
EXPERIMENTATION

9 COUNTRIES
BALTIC
SEA AREA
26 ASSOCIATE
PARTNERS
13 PARTNERS
INCL. JRC & DG REGION

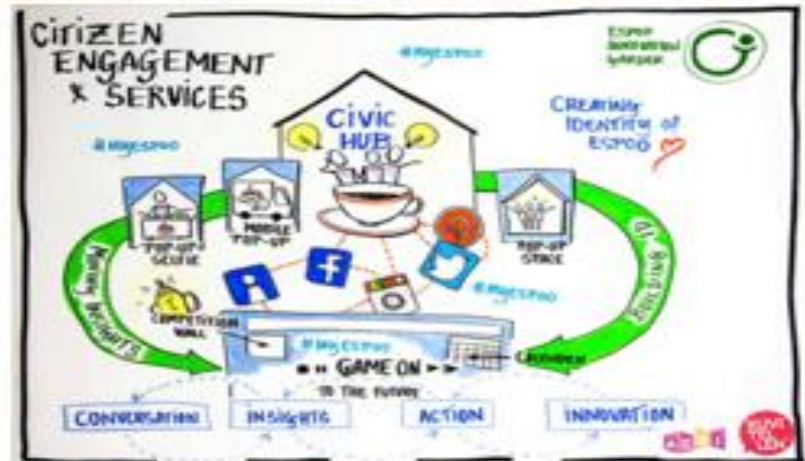
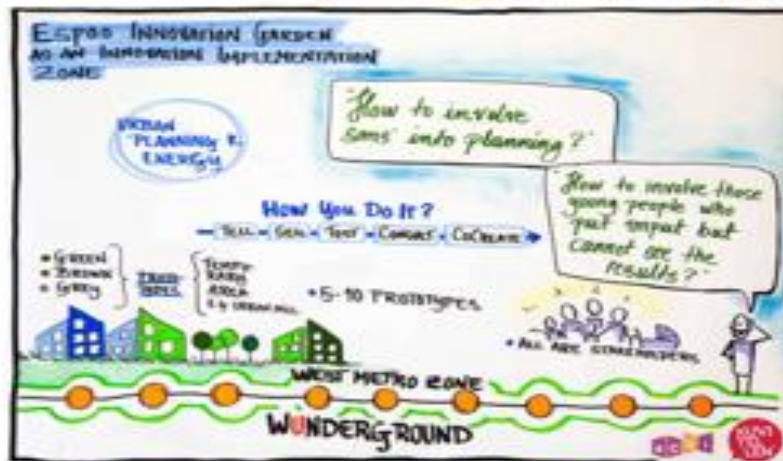
RAQUEL BENMERGUI

Engagement via Innovation Camps

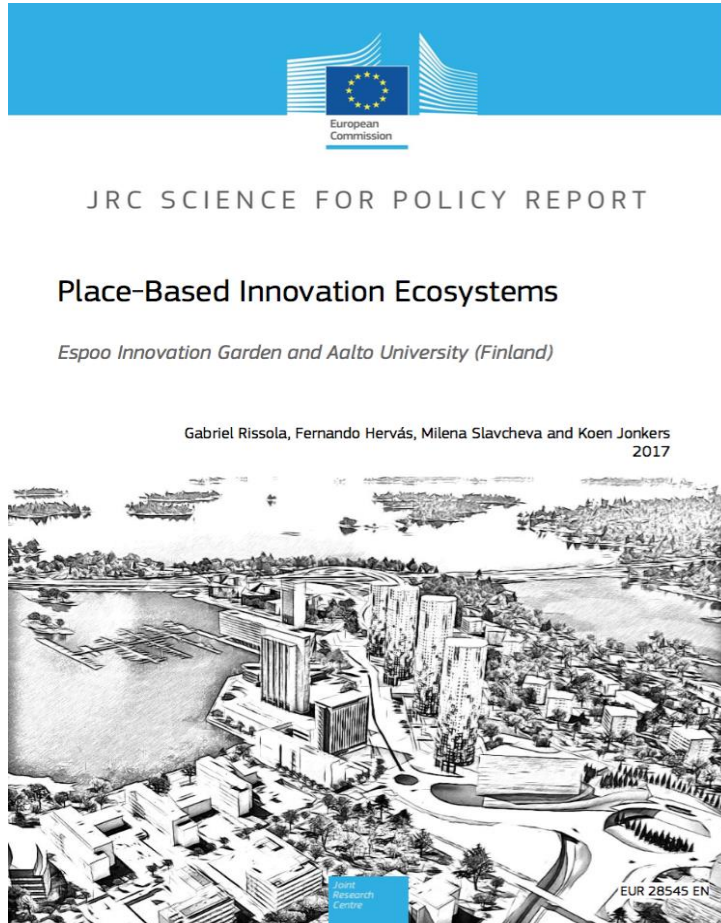
EU Joint Research Centre, Innovation Camp Methodology Handbook

CHALLENGE I

Espoo West Metro Corridor as an Innovation Implementation Zone

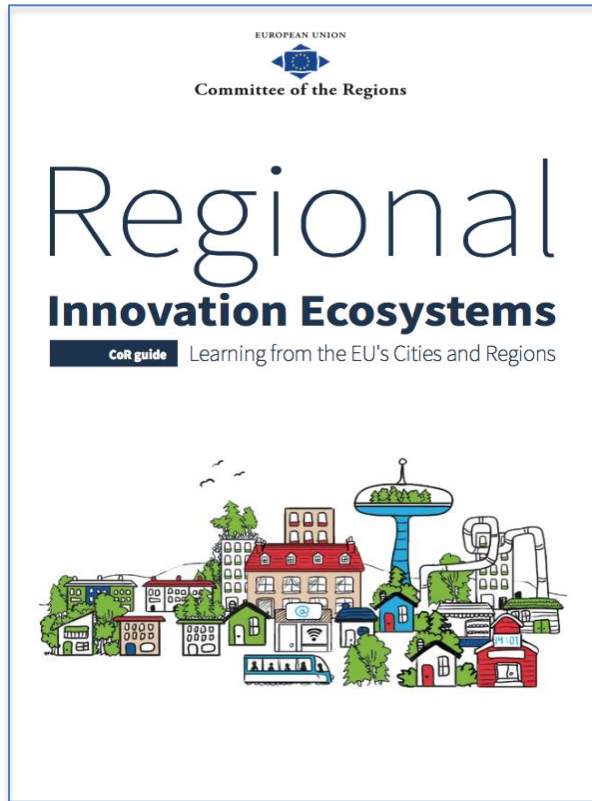


Place Based Innovation Ecosystem



- *Smart sustainable city is **a physical and virtual place where technologies and humans co-evolve.***
- ***Innovation ecosystem is a partnership of complimentary players** who share the same vision and are willing to contribute to joint actions in order to achieve the individual and joint goals.*
- *Smart sustainable city is **by-default resilient.** It predicts, identifies and responds to opportunities and risks.*
- ***The new role of cities is to empower communities, collaboration and citizens** to pursue ideas, to innovate and to take action.*

Regional Innovation Ecosystems: From Bench-marking to Bench-learning & Bench-Acting



EU Committee of the Regions 2016:

to stimulate bench-learning between regions and cities, sparking new ideas and fundamentally stirring economic development.

to inspire projects across the EU,

to understand and explore how Europe's cities and regions are breaking new ground in regional development.

Europe must establish a culture of co-creation and break its boundaries by moving towards entrepreneurial discovery, open innovation, experimentation and action.

Download the CoR Guide:

<http://cor.europa.eu/regional-innovative-ecosystems>

Tackling Global Societal Challenges



On September 25th 2015, countries adopted a set of goals to **end poverty**, **protect the planet**, and **ensure prosperity for all** as part of a **new sustainable development agenda**. Each goal has specific targets to be achieved over the next 15 years.

Societal Transformation towards Digitalized Knowledge Economy

- The world is facing Grand Societal Challenges.
- Globalization and digitalization with culture to everyone's attention.
- The strategic priority has shifted to Digitalization is embedded.
- Market forces cannot solve these challenges; they may even increase the societal problems.
- In-depth public-private collaboration is needed to tackle these challenges and to co-create new innovative solutions.





**SUSTAINABLE
DEVELOPMENT GOALS**

17 GOALS TO TRANSFORM OUR WORLD



Global Covenant of Mayors for Climate & Energy will combine efforts and leadership to accelerate climate action at the local level worldwide.

Europe needs forerunner cities and city driven regions. Espoo committed to be one of those.



Global Energy Awards in
Espoo
12-14 November 2019

**EU Reflection Paper: “Towards a Sustainable Europe by 2030”.
Next EU Strategy to be based on achieving the SDGs.**

Helsinki Region RIS3 Focus

Urban Cleantech



energy and
resource efficiency,
circular economy,
bio economy,
consumer cleantech

Health & Wellness



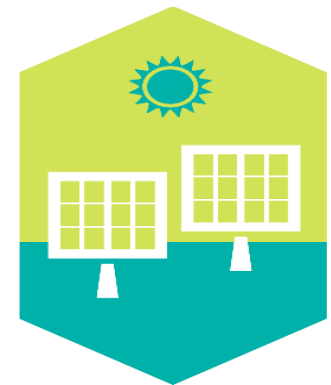
healthcare
solutions,
processes,
technologies,
services and taking
care of yourself

Digitalising Industry



logistics, robotics,
the Internet of
things

Citizen city



the wellbeing of all
citizens, open
urban development,
citizen
participation,
usability of
services, co-
creation

**Helsinki Region is the # 1
region in EU according to the
latest regional scoreboard
and will be Carbon Neutral by
2035**



video

