



Smart Specialization and Photonics in the Stockholm Region

Arivan Tatal

County Administrative Board of Stockholm

Business Development of Photonics Companies for Healthcare

2018-06-11



Facts about Stockholm County

- 2 percent of Sweden's area
- An attractive and dynamic region.
 - 20 percent of Sweden's population (2.1 million)
 - 30 percent of Sweden's GDP
 - 30 percent of new businesses
- A young and growing population (30,000–40,000 new inhabitants per year)
- A partly rural region
 - Third largest rural population
 - Half of the county consists of forest
 - An archipelago with 30,000 islands

One of Top 10 Regional Innovation Leaders

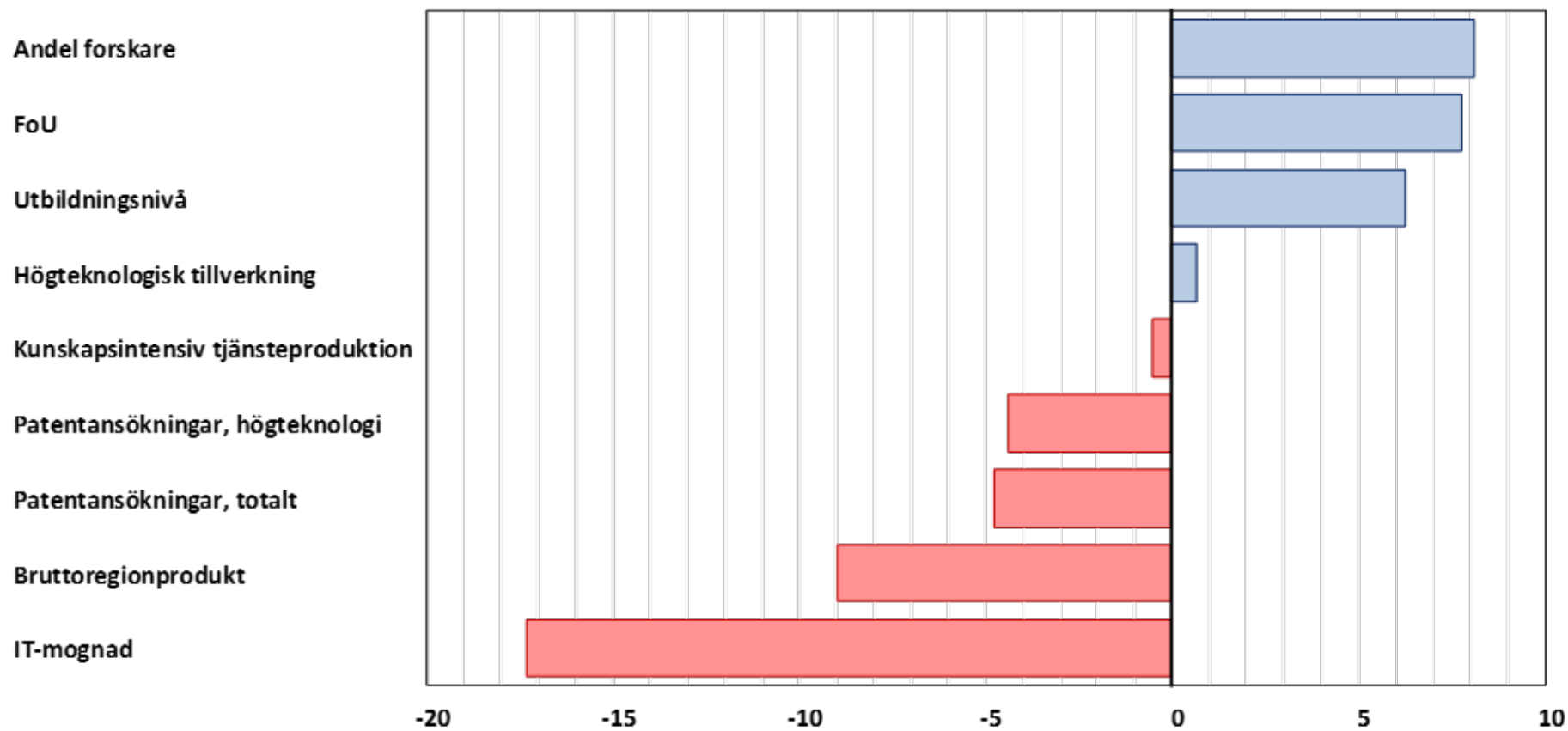
Topp 10 - Regional Innovation Leaders					
	2011 (RII 2011)	2013 (RII 2013)	2015 (RII 2015)	2017 (RII 2017)	RII 2017
1	Zürich (CH04)	Zürich (CH04)	Zürich (CH04)	Zürich (CH04)	178.3
2	Hovedstaden (DK01)	Hovedstaden (DK01)	Hovedstaden (DK01)	Nordwestschweiz (CH03)	166.4
3	Nordwestschweiz (CH03)	Stockholm (SE11)	Nordwestschweiz (CH03)	Stockholm (SE11)	165.1
4	Stockholm (SE11)	Nordwestschweiz (CH03)	Stockholm (SE11)	Hovedstaden (DK01)	155.0
5	Sydsverige (SE22)	Oberbayern (DE21)	Zentralschweiz (CH06)	Zentralschweiz (CH06)	154.9
6	Zentralschweiz (CH06)	Sydsverige (SE22)	Karlsruhe (DE12)	Ticino (CH07)	152.5
7	Östra Mellansverige (SE12)	Zentralschweiz (CH06)	Sydsverige (SE22)	Ostschweiz (CH05)	149.6
8	Karlsruhe (DE12)	Karlsruhe (DE12)	Région lémanique (CH01)	South East (UKJ)	148.2
9	Etelä-Suomi (FI1C)	Östra Mellansverige (SE12)	Ticino (CH07)	Région lémanique (CH01)	147.9
10	Oberbayern (DE21)	Tübingen (DE14)	Oberbayern (DE21)	Östra Mellansverige (SE12)	146.3

Source: Regional Innovation Scoreboard 2017



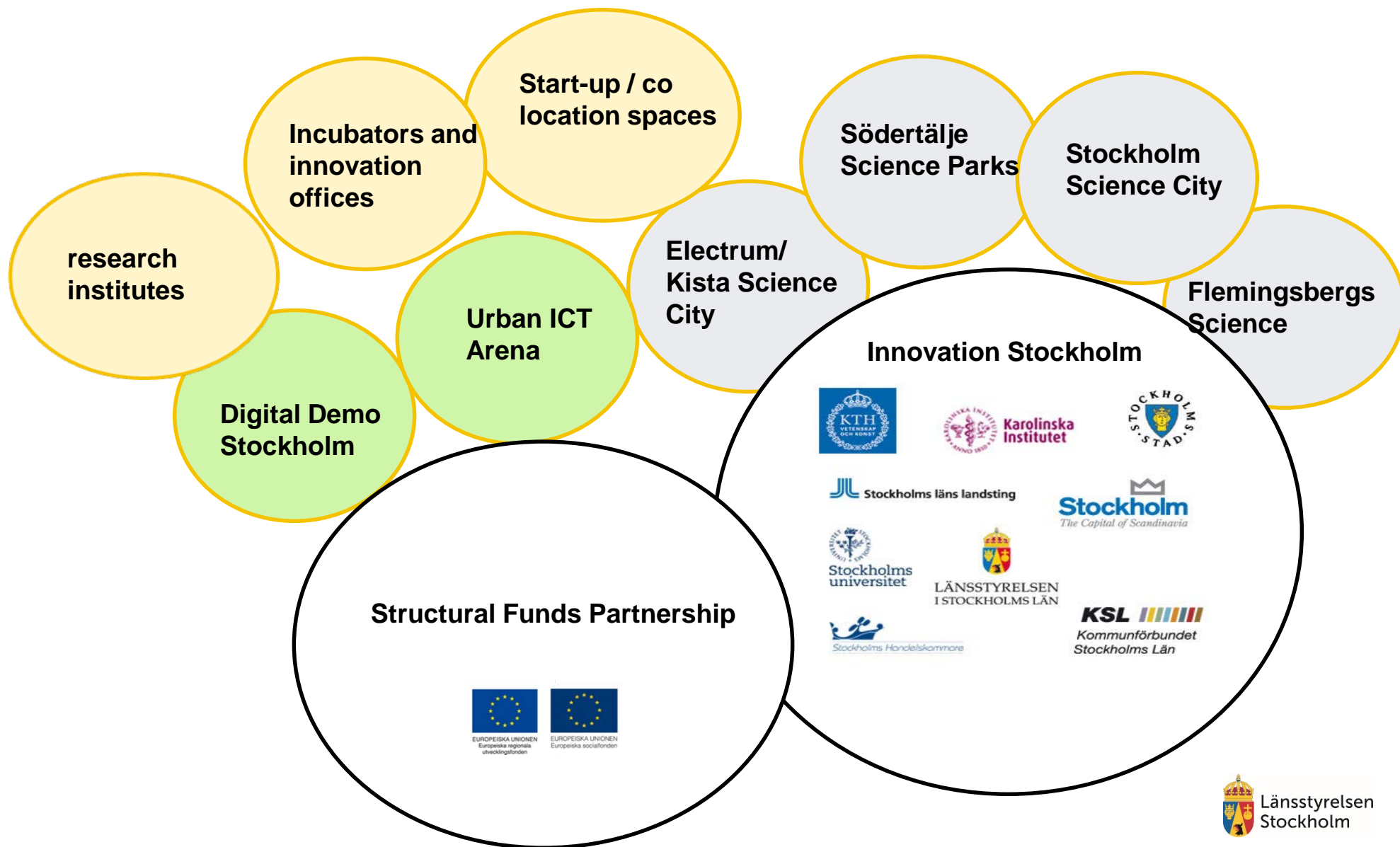
But increasing competition...

Relative development to Munich, Copenhagen and Lyon, index 2013-2017



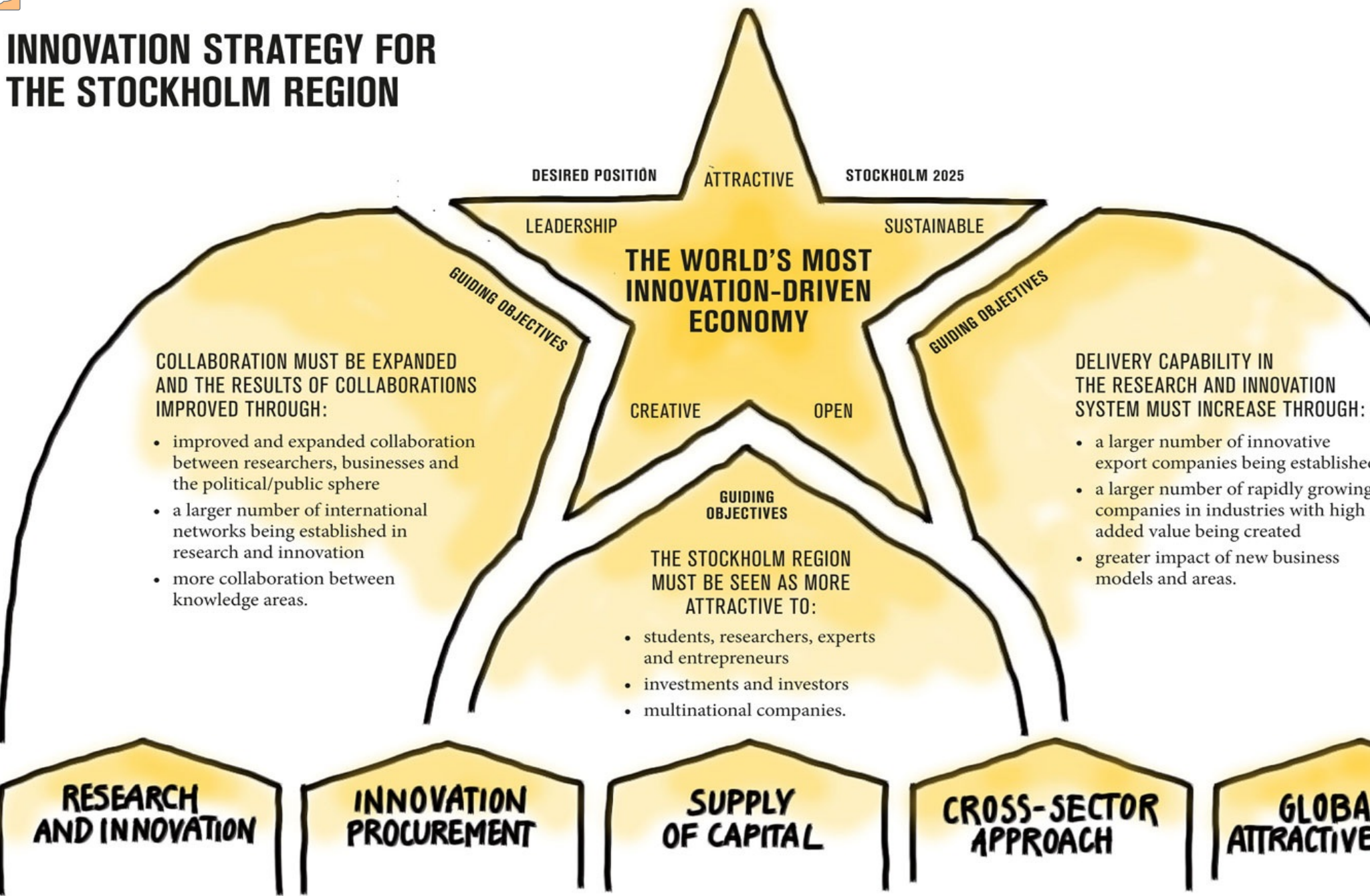
Source: Länsstyrelsen (2017) Effektmätning inom Innovationskraft Sthlm

Regional innovation support platforms



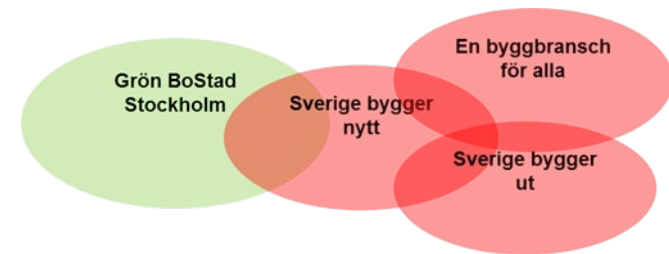


INNOVATION STRATEGY FOR THE STOCKHOLM REGION



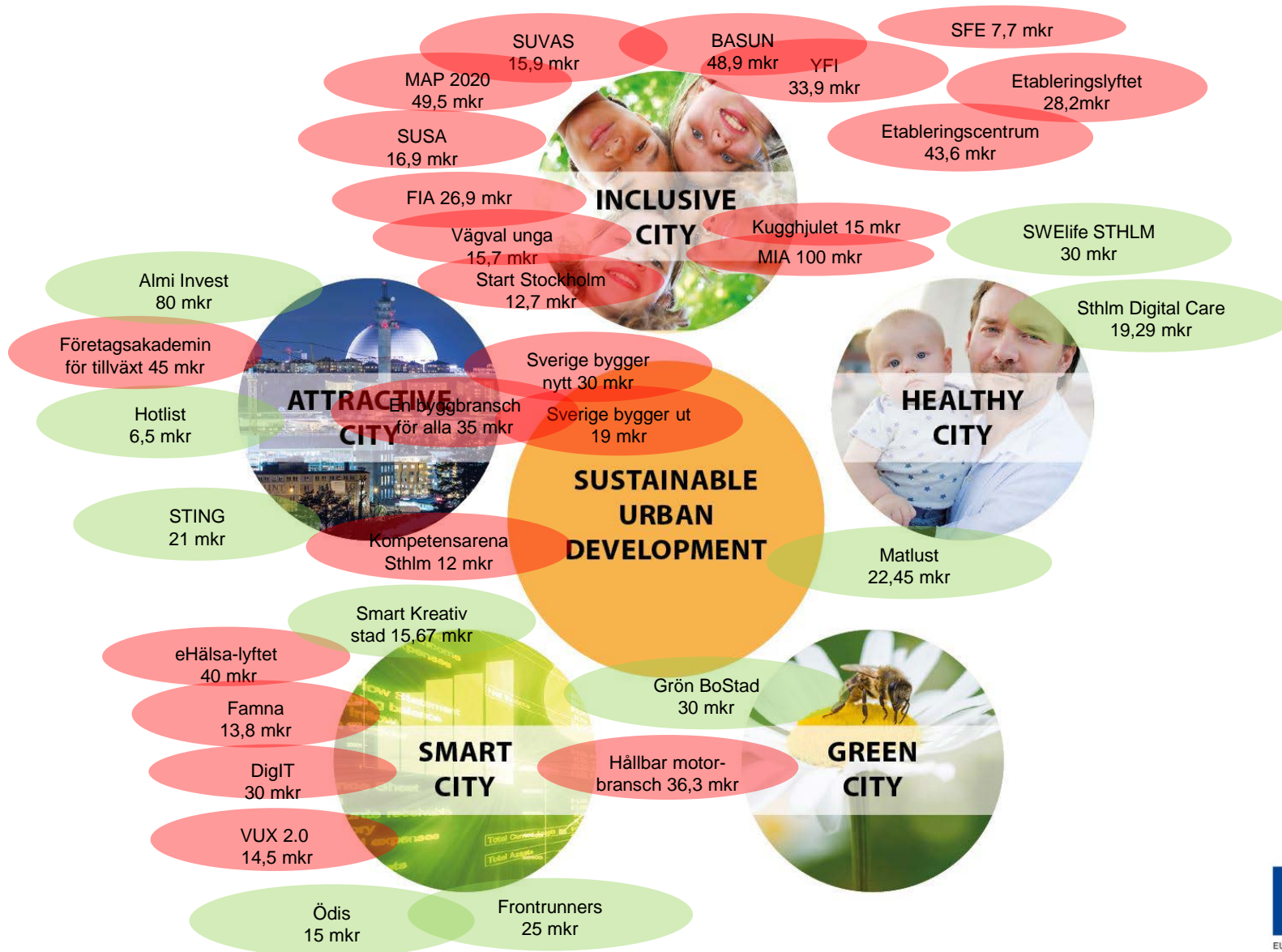
European Regional Development Fund

- About €37 million 2014-2020
- One priority area: Sustainable urban development
 - TG 1 Research, technology and innovation (45%)
 - TG 3 Competitive SME (40%)
 - TG 4 Low carbon economy (15%)
- Principles ESF/ERDF
 - Concentration of resources
 - Focus on companies and employees
 - Collaboration between ESF and ERDF
 - The Stockholm model



Smart specialisation and the implementation of the ERDF and the ESF in Stockholm

33 approved projects
€110 MEUR
23 ESF and **10 ERDF**



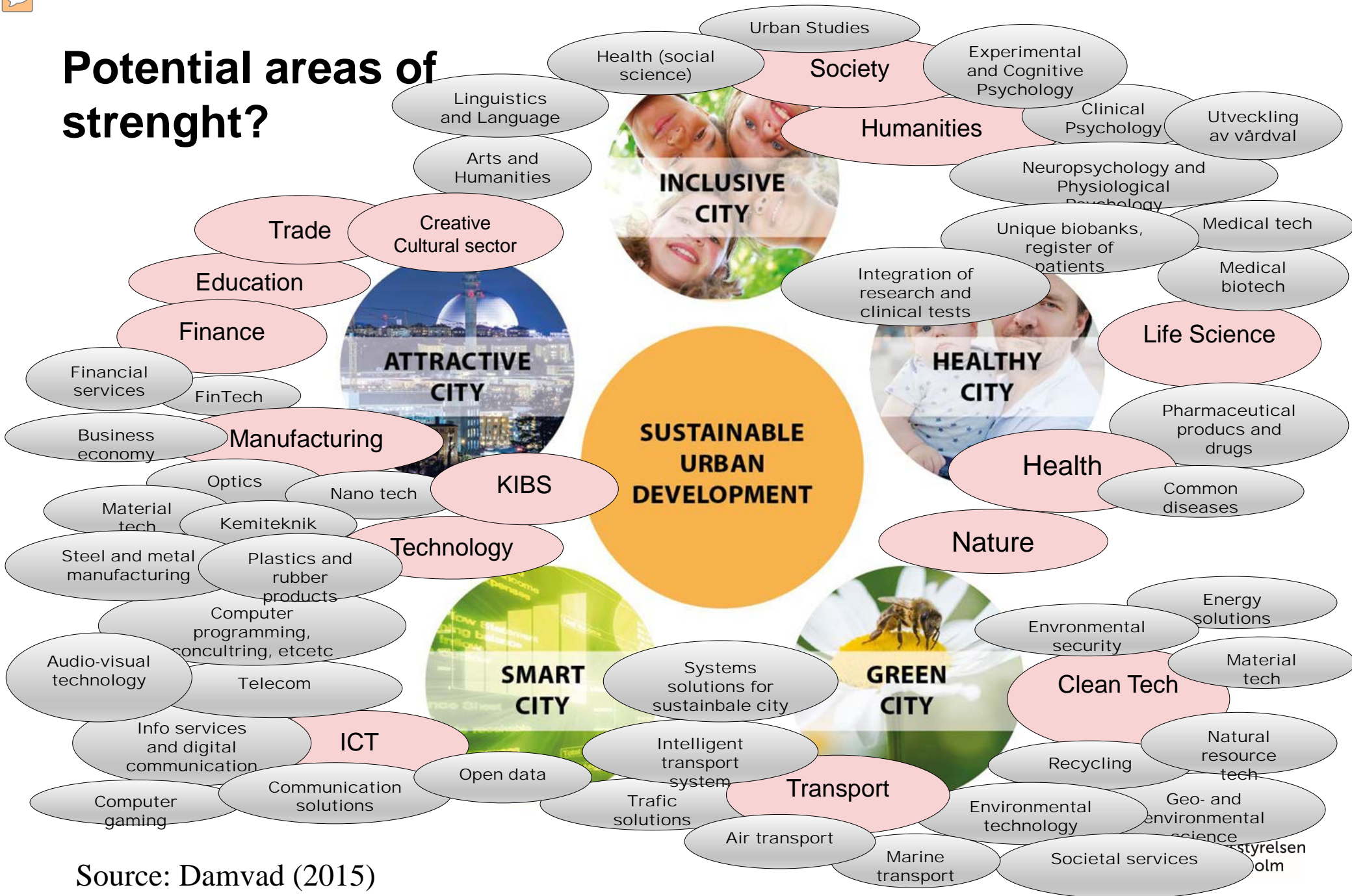


Digital Demo Stockholm

Priority areas for research, development and innovation



Potential areas of strenght?



Source: Damvad (2015)

Potential for smart specialisation in Stockholm



Health and
life science



Smart urban
development



Modern
production

Sustainability

Digitalization/ICT

Key enabling technologies

For more information contact:

arivan.total@lansstyrelsen.se

maria.c.lindqvist@lansstyrelsen.se



Thank you for your attention!



Message from the EU-commission

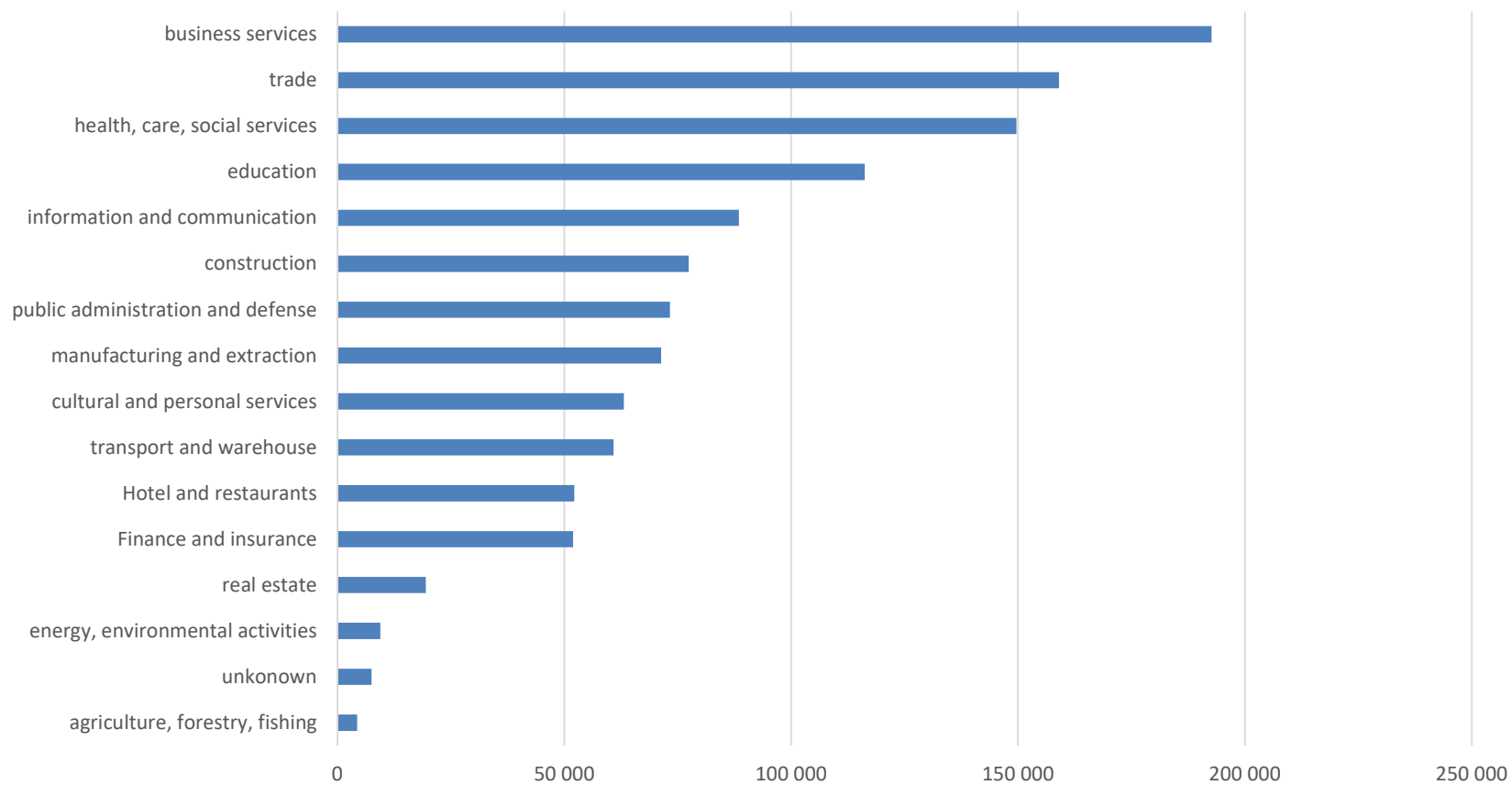
“Europe´s competitive edge relies on its capacity to promote new growth models at regional level, by targeting investments in innovation sectors with significant growth potential and high value added.”

- Further reform R&I systems within region, e.g. supporting the implementation of priorities in **smart specialization** strategies
- Increase cooperation in innovation investments **across regions**, e.g. thematic platforms
- Levering R&I in **less developed/industrial transition** regions
- Harness **synergies and complementarities** between EU policies/instruments

Source: EU (2017) Strengthening Innovation in Europe´s Regions: Strategies for resilient, inclusive and sustainable growth, COM (2017) 376



Stockholm business sectors



ARENA

Kista Mentorspace

Roundtables

Ideathons

Seminars

Events

Infrastructure

Technical innovations

Urban environments

Business models

Citizen benefits

Other

PROJECTS

Project visualization Kistagången

3D visualization of projects

Instagram

Web

Twitter

Display WINDOW

5G POC

Dark fiber

LoRaWAN

ICT infrastructure

Project PLATFORM

Matchings

6LoWPAN CC

6LoWPAN SSN

2G Open 1800

MediaSense

City Digital Platform

Technical Research lab

Wifi

Bluemix

Knowledge base

Applications

Projectrooms