

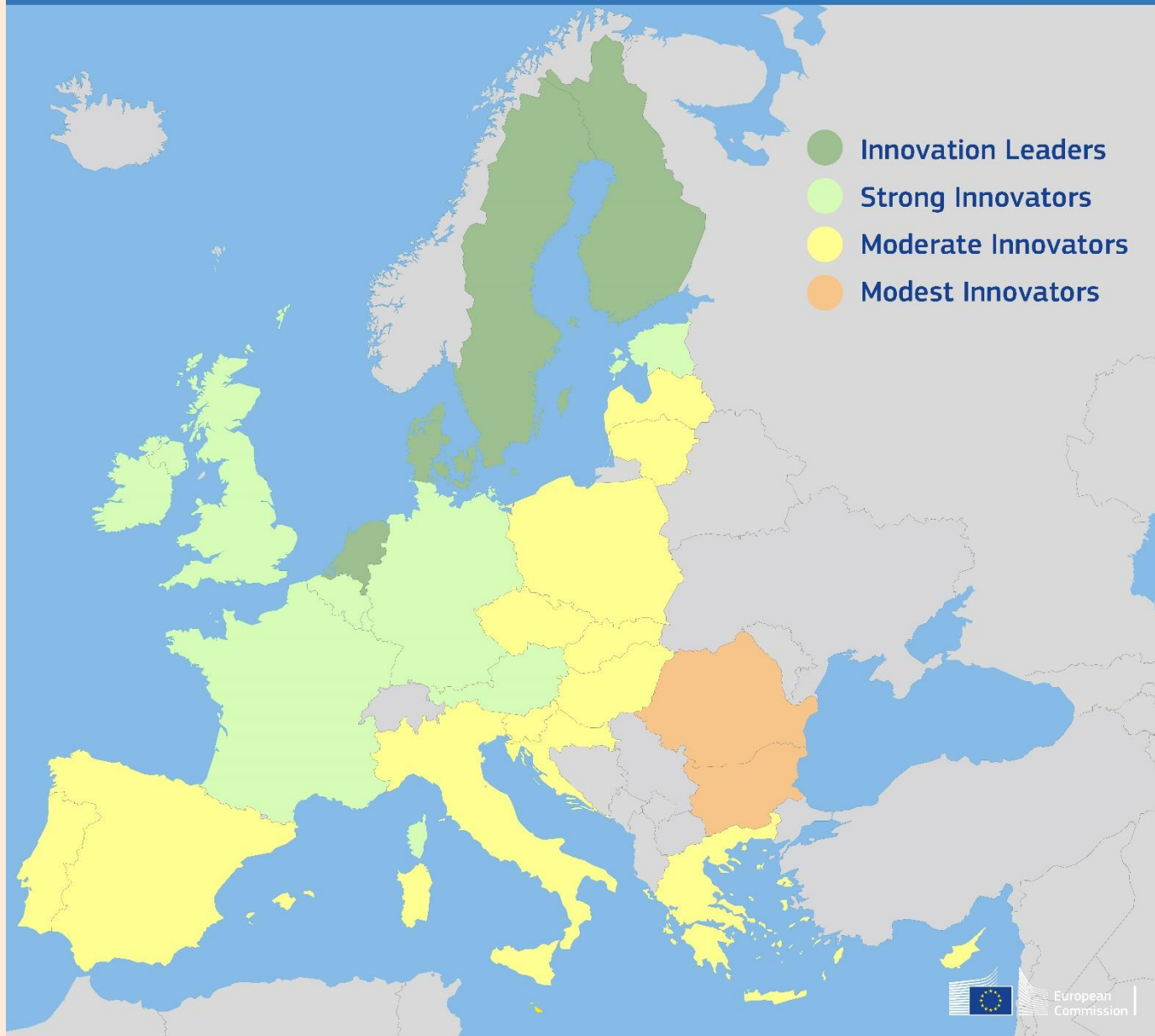
Analisi di un caso

Fab lab

Fab lab (Fabrication laboratory)



EUROPEAN INNOVATION SCOREBOARD 2019



FRAMEWORK CONDITIONS

- **Human resources**
 - 1.1.1 New doctorate graduates
 - 1.1.2 Population aged 25-34 with tertiary education
 - 1.1.3 Lifelong learning
- **Attractive research systems**
 - 1.2.1 International scientific co-publications
 - 1.2.2 Top 10% most cited publications
 - 1.2.3 Foreign doctorate students
- **Innovation-friendly environment**
 - 1.3.1 Broadband penetration
 - 1.3.2 Opportunity-driven entrepreneurship

INVESTMENTS

- **Finance and support**
 - 2.1.1 R&D expenditure in the public sector
 - 2.1.2 Venture capital expenditures
- **Firm investments**
 - 2.2.1 R&D expenditure in the business sector
 - 2.2.2 Non-R&D innovation expenditures
 - 2.2.3 Enterprises providing training to develop or upgrade ICT skills of their personnel

INNOVATION ACTIVITIES

- **Innovators**
 - 3.1.1 SMEs with product or process innovations
 - 3.1.2 SMEs with marketing or organisational innovations
 - 3.1.3 SMEs innovating in-house
- **Linkages**
 - 3.2.1 Innovative SMEs collaborating with others
 - 3.2.2 Public-private co-publications
 - 3.2.3 Private co-funding of public R&D expenditures
- **Intellectual assets**
 - 3.3.1 PCT patent applications
 - 3.3.2 Trademark applications
 - 3.3.3 Design applications

IMPACTS

- **Employment impacts**
 - 4.1.1 Employment in knowledge-intensive activities
 - 4.1.2 Employment fast-growing enterprises of innovative sectors
- **Sales impacts**
 - 4.2.1 Medium and high-tech product exports
 - 4.2.2 Knowledge-intensive services exports
 - 4.2.3 Sales of new-to-market and new-to-firm product innovations

Classes	Number of countries	Average number of Fab Labs	Fab Labs per 10 mil. inhabs
Innovation Leader	4	9.0	4.0
Innovation Followers	8	16.0	8.6
Moderate Innovators	13	7.1	2.1
Modest Innovators	3	1.0	3.8
All EU countries	28	9.3	4.4