

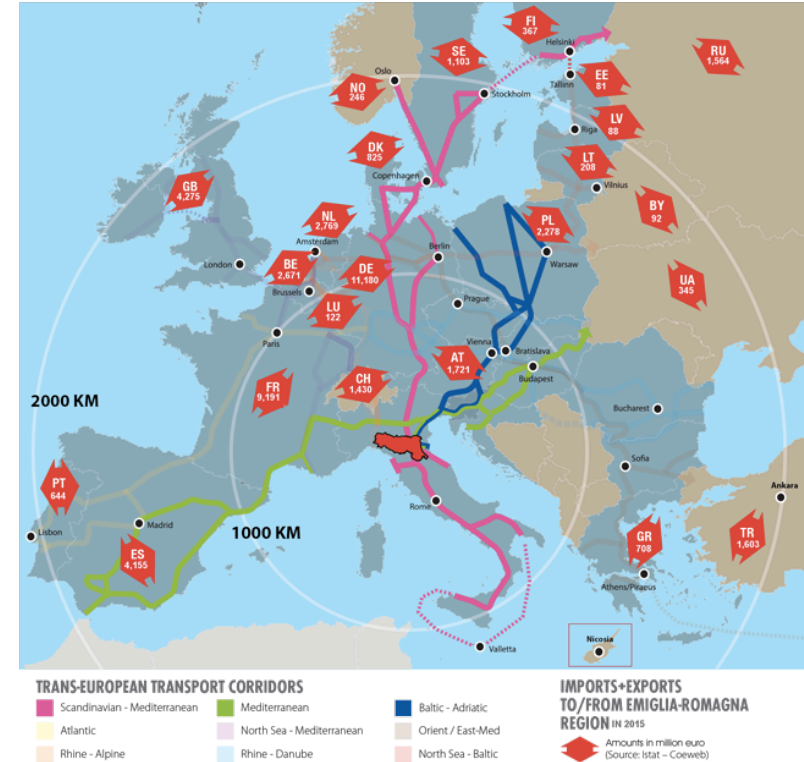
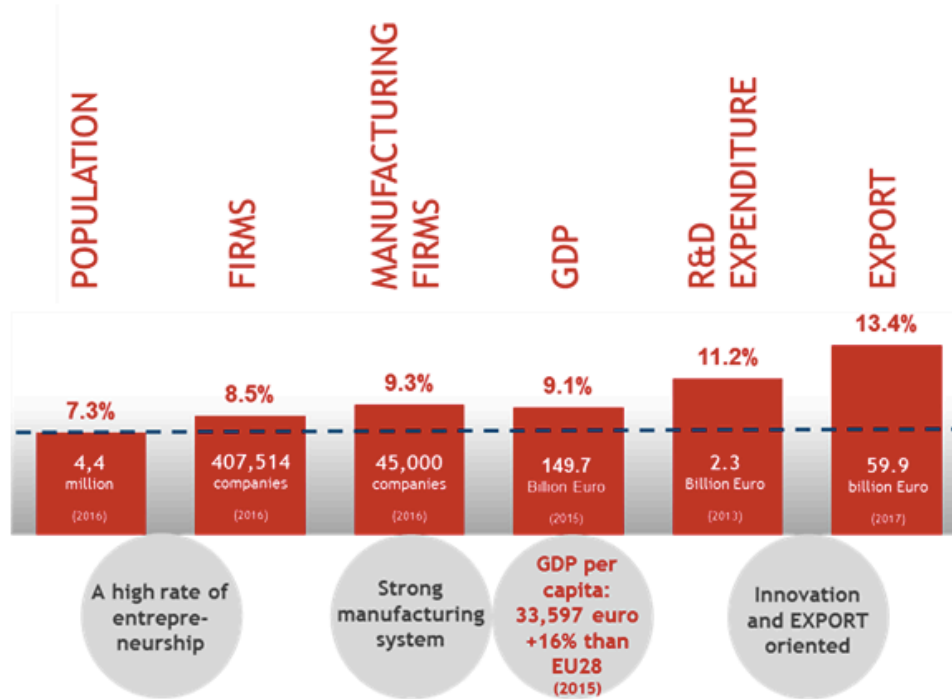
Big Data eco-system for innovation and sustainability

Leda Bogni – ASTER (I)

SPIRE Stakeholder Workshop, 2 October 2018

Emilia-Romagna region

EMILIA-ROMAGNA: SHARE ON ITALIAN TOTAL

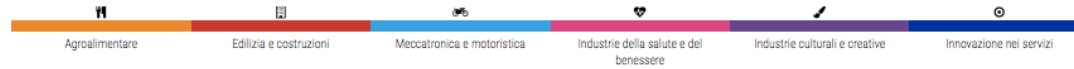


Emilia-Romagna region

- Sound research and economic systems
- Innovation policy promoting science-business collaboration
- Applied research laboratories
- High education connected to businesses
- Diffused entry-points into the territory – the Technopoles
- Strategic planning
- Sharing of research infrastructures
- Public investments on broadband
- National and regional investments on HPC and digital infrastructures
- Sinergies of regional, national and European funds for R&D and international attractiveness

Smart Specialization Strategy

FILTRA I DATI IN BASE AGLI AMBITI DI SPECIALIZZAZIONE SOTTOSTANTI



PROGETTI FINANZIATI

5.508



MILIONI DI EURO DI INVESTIMENTI

1.796,71



MILIONI DI EURO DI CONTRIBUTI

779,78



3.878

FINANZIAMENTI A IMPRESE



715

FINANZIAMENTI A LABORATORI DI RICERCA



92

NUOVE IMPRESE CREATE



287

BREVETTI GENERATI DIRETTAMENTE DAI PROGETTI



1.696

NUOVI RICERCATORI



19.760

PERSONE FORMATE



9.652

ASSEGNI DI RICERCA



2.461

BREVETTI



1.211

STARTUP INNOVATIVE



Big Data and Artificial Intelligence: example of converging policies in favor of enabling technologies

- The 70% of the Italian computer power is located in Bologna
- In 2020 in Bologna will be located 4 HPC among the first 20 in the world



RESEARCHERS
INVOLVED



FOREIGN
RESEARCHERS
HOSTED



INTERNATIONAL
EVENTS



HIGHER EDUCATION
INITIATIVES
INCLUDING

PhD courses

Laurea magistrale

Master

Summer schools

Big Data Technopole – Bologna hub

- Regional programme for **research and innovation infrastructures**
- Regional law for attractiveness (L.R. 14/2014)
- **Human Capital for BD and AI**
 - 22 doctorates in Data Science
 - 16 research fellowships
 - 11 training initiatives to enter 750 just-graduated into BD
 - Agreements with Piano Nazionale Scuola Digitale to promote BD and AI in schools
- Analysis of BD usage/production in regional companies
- **Big Data Association**
- **BI-REX** – the Competence Centre ind4.0 (Big data as key technology)
- **Big Data Technopole – Bologna Hub**

Big Data Technopole – Bologna Hub

A National and Regional investment for Digital Economy, BD and AI



Vision 2020:

**HPC, BD and AI for
industry and society**



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