Workshop under the Knowledge Exchange Platform

Developing a regional innovation ecosystem in Emilia-Romagna

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ART-ER Attractiveness Research Territory

ART-ER aims at fostering the region's sustainable growth by developing innovation and knowledge, attractiveness and internationalisation

Its shareholders are: the Regional Government, the universities based in the region, national public research centres and the Union of Chambers of Commerce

Not for profit,

200 employees, +20 Ml € turnover

Emilia-Romagna in short

- 4.5 Ml inhabitants; over 350.000 enterprises
- 1st Italian region for INNOVATION (Regional Innovation Scoreboard 2021)
- 1st Italian region for EXPORT per capita
- 7° European Large Region for FDI Strategy 2022-23 (FDI Intelligence)
- Strong MANUFACTURING sectors (Motor Valley, Food Valley, Data Valley, …)
- Strong INCENTIVES for new investments
- High EMPLOYMENT and GDP PER CAPITA
- High QUALITY OF LIFE
- High SOCIAL INCLUSION
- Highly attractive UNIVERSITIES
- UNESCO SITES through the entire region
- Excellent LOGISTICS

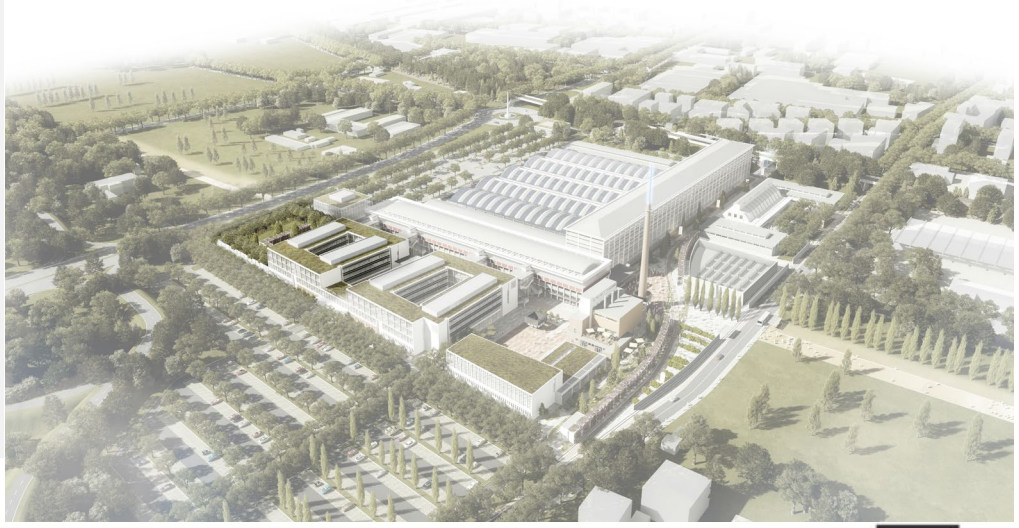
https://www.investinemiliaromagna.eu/en/index.asp

The R&I ecosystem counts on:

- 6 universities and public research bodies
- High Technology Network of Emilia-Romagna, with its 82 Industrial Research Laboratories and 16 Centers for Innovation,
- Technopoles which represent the territorial access point to the overall ecosystem offer
- Clust-ERs
- Network of ITS - Higher Technical Institutes realized in collaboration with companies, universities/scientific and technological research centers, local authorities, the education and training system

In 2021 the Regional Innovation Scoreboard included the region among “strong European innovators”

Emilia-Romagna is an International Data Valley hosting top world supercomputers, European data centres and a wide ‘big data community’ with policies supporting new investments and a dynamic business environment



PACT FOR WORK AND CLIMATE

In Emilia-Romagna we build the future together.

Download the English version

Signed in December 2020 by 55 regional representatives of economic, social and professional associations to:

- promote more sustainable, equitable and inclusive development, environmental, economic and social sustainability
- strategic orientation and bases of the new S3 2021-2027, aligned to the objectives of the new EU Cohesion Policy 2021-2027 and Agenda 2030
- challenge based, social driven, cross-sectoral

A new vision of innovation and research:

- Open Innovation
- Responsible Research and Innovation and citizen science, participatory, interactive and transparent
- Global Value Chains, the dimension of international openness that must characterize the supply chains, increasingly global and intersectoral innovation processes
- Creativity and Design, not only as resources and skills for the industry of culture and creativity, but as enabling factors for the innovation of all supply chains in manufacturing and services
- integration with regional, national and European programs

Ecosystem for Sustainable Transition in Emilia-Romagna

Spoke's articulation

Ecosystem for Sustainable Transition in Emilia-Romagna						
SPOKE	**SPOKE 1** Materials for sustainability and ecological transition	**SPOKE 2** Clean energy production, storage and saving	**SPOKE 3** Green manufacturing for a sustainable economy	**SPOKE 4** Smart mobility, housing and energy solutions	**SPOKE 5** Circular economy and Blue economy	**SPOKE 6** Ecological transition based on HPC & data technology
LEADER	**CNR**	**UNIMORE**	**UNIBO**	**UNIPR**	**UNIFE**	**UNIPR**
AFFILIATI	**UNIMORE** **UNIBO** **UNIPR** **UNIFE** **UCSC** **POLIMI** **ENEA** **CENTRO CERAMICO** **CERTIMAC** **DEMOCENTER-TPM** **MISTER** **MUSP** **ROMAGNATECH** **ALMACUBE**	**CNR** **UNIBO** **UNIPR** **UNIFE** **POLIMI** **ENEA** **CRPA** **DEMOCENTER-TPM** **FONDAZIONE REI** **LEAP**	**CNR** **UNIMORE** **UNIPR** **UNIFE** **UCSC** **POLIMI** **ENEA** **BI-REX** **CENTRO CERAMICO** **FONDAZIONE REI** **MISTER** **MUSP** **ROMAGNATECH** **T3LAB** **ALMACUBE**	**CNR** **UNIBO** **UNIMORE** **UNIFE** **POLIMI** **ENEA** **CERTIMAC** **PROAMBIENTE** **T3LAB** **ALMACUBE**	**CNR** **UNIBO** **UNIMORE** **UNIPR** **UCSC** **POLIMI** **ENEA** **CRPA** **LEAP** **PROAMBIENTE**	**UNIMORE (co leader)** **UNIBO** **INFN** **CINECA**

European networks:

- ERRIN European Regions Research and Innovation Network
- SCIENCE | BUSINESS
- EBN European Business & Innovation Centre Network
- EEN Enterprise Europe Network
- SERN Startup Europe Regions Network
- ECN (European Crowdfunding Network)
- EURADA European Association of Regional Development Agencies
- VANGUARD INITIATIVE, participating in all its 7 pilot actions and coordination two of them, including the new one on Artificial Intelligence

EU initiatives such as:

- ✓EIT KICs: CLIMATE-KIC; RAW MATERIAL; MANUFACTURING
- ✓EIP RAW MATERIALS - European Innovation Partnership on Raw Materials
- ✓EFFRA European Factories of the Future Research Association
- ✓A.SPIRE - Processes4Planet Research Association
- ✓ECCP - European Cluster Collaboration Platform
- ✓the European Thematic Smart Specialisation Platforms on industrial Modernisation, Agrifood and Energy, participating to 20 partnerships and being co-leader of three of them: AI & HMI Artificial Intelligence and Human-Machine Interface, New Nano-enabled products, Traceability and Big Data

THANK YOU!

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