



ATTRATTIVITÀ

RICERCA

TERRITORIO

Public-private partnerships for sustainability in Emilia-Romagna Region

The regional innovation Ecosystem as a lever for the green transition of Emilia-Romagna

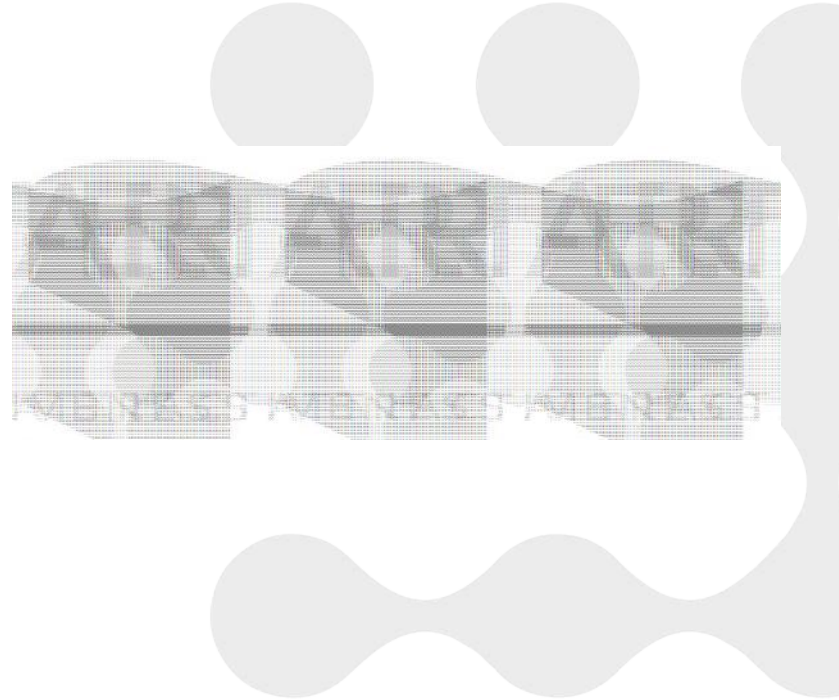


ECOMONDO, 7/11/2023 | Marina Silverii, deputy Director, ART-ER



What are we talking about?

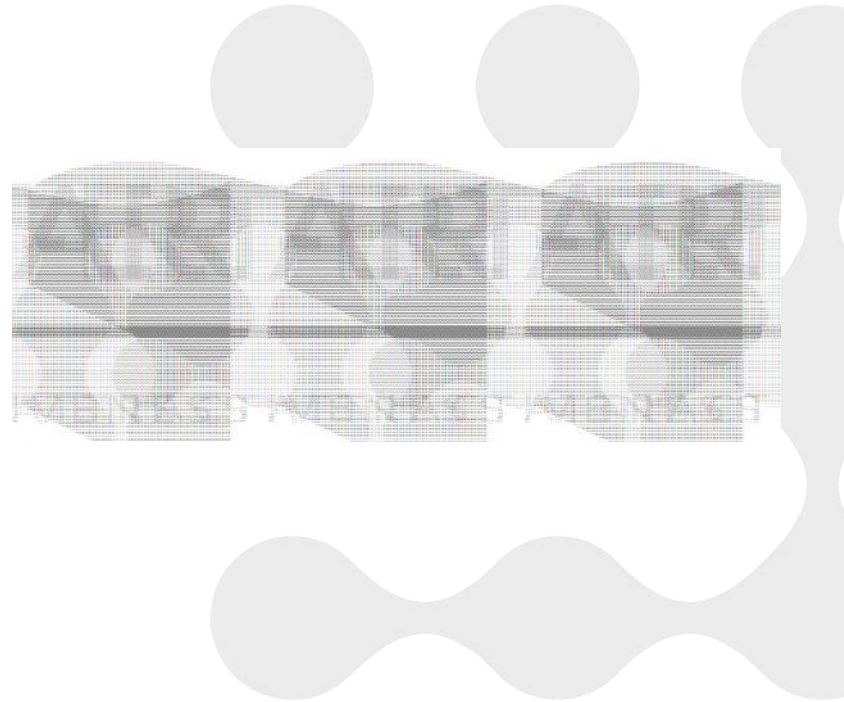
- What is ART-ER?
- The regional pathway to green transition
- The regional innovation ecosystem
- Some results of public private collaboration





ART-ER's mission

ART-ER Attractiveness Research Territory is the Emilia-Romagna Joint Stock Consortium born with the purpose of fostering the **region's sustainable growth by developing innovation and knowledge**, attractiveness and internationalisation of the territory.





The regional pathway to green transition



The region Emilia-Romagna towards the Green Transition



**Smart Specialisation
Strategy S3
Emilia-Romagna
Region**
2021-2027



2020

2021-2027

2021



The PACT for WORK and CLIMATE



4 strategic objectives for Emilia-Romagna:

- a region of knowledge and know-how
- **a region of environmental transition**
- a region of rights and duties
- a region of work, enterprise and opportunity

60 signatories:

Entrepreneurial associations,
Public Administrations, RTOs

The S3



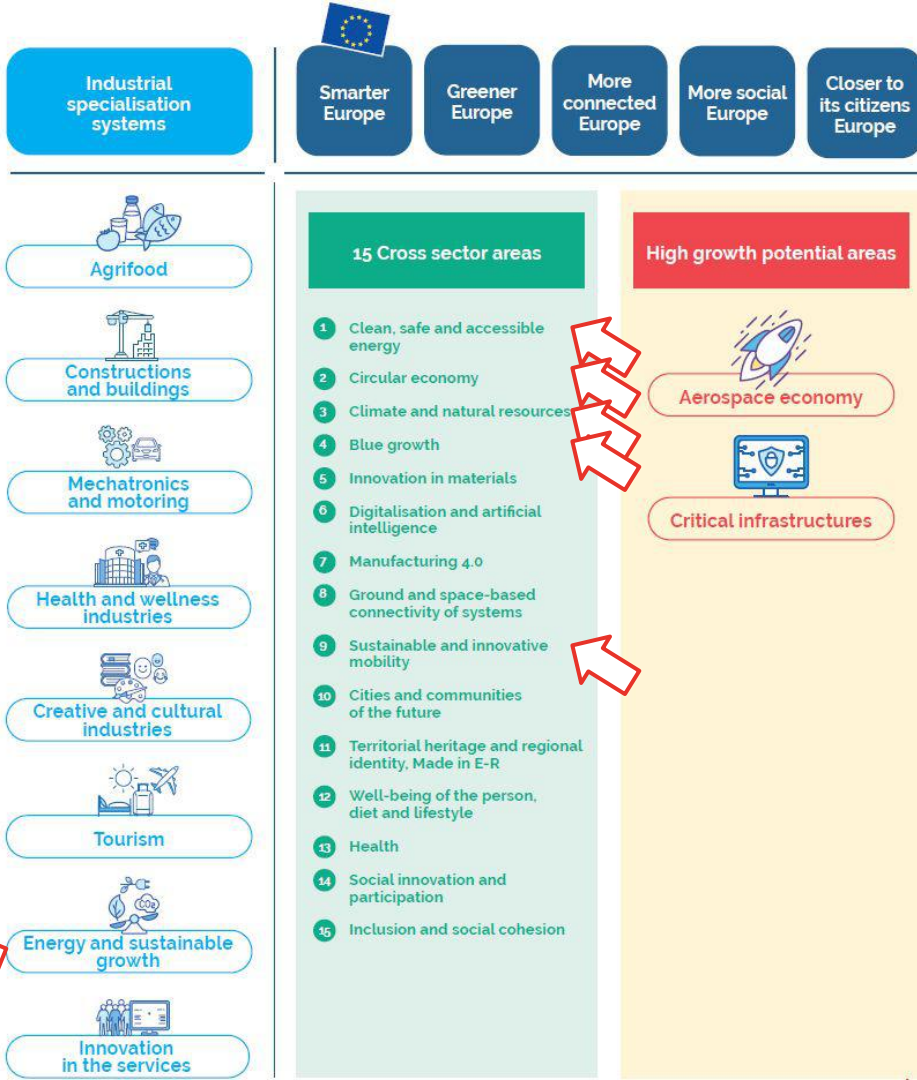
Regione Emilia-Romagna



Smart Specialisation Strategy S3 Emilia-Romagna Region

2021-2027

*local authorities, universities,
business and civil society,
altogether working to implement
long-term growth strategies
supported by EU funds*





REGIONAL AGENDA 2030

The Regional 2030 Agenda has set out its own quantitative targets and indicators at 2025 or 2030 for the 17 SDGs, consistently with the Pact for Work and Climate

The regional 2030 agenda also identifies the instruments to reach the targets: regional laws, programming and planning documents, sectoral funds





The regional ecosystem for sustainable growth
through innovation and knowledge



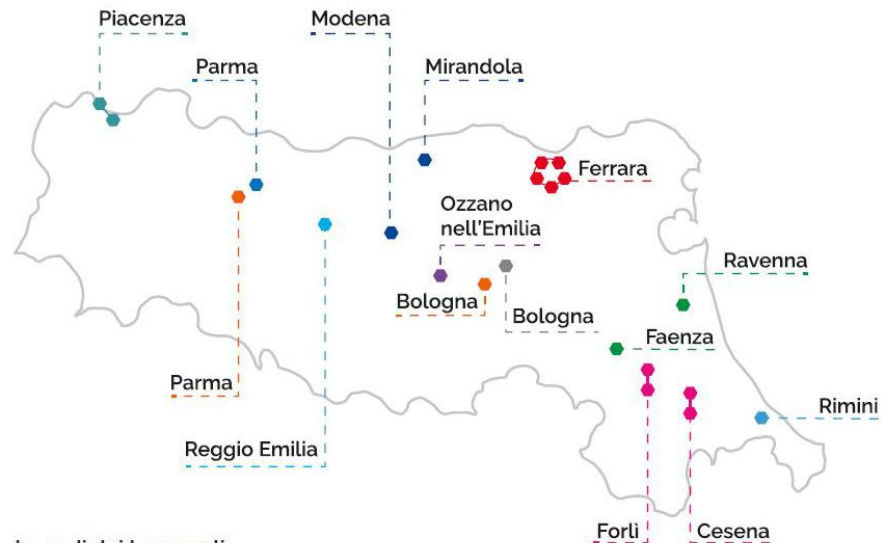
The High Technology Network and Technopoles



11 Technopoles

21 Locations

95 Industrial research laboratories and innovation centers



Le sedi dei tecnopoli

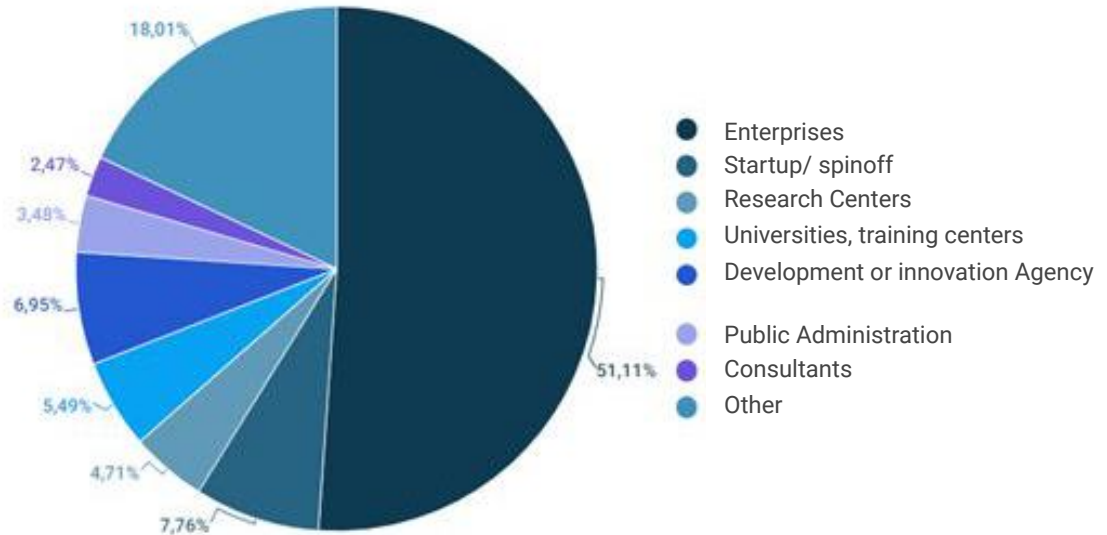




The Technopoles as places where public and private meet to develop innovation

Technopoles predominantly come into contact with **Enterprises (51%)** and **RTOs + Universities (11%)**

(2022 data)





The Regional Clust-ER



*Research centres,
companies and training
institutions working
together to share ideas,
skills, tools and resources*



CLUST-ER
AGRIFOOD
AGROALIMENTARE

CLUST-ER
BUILD
EDILIZIA E COSTRUZIONI

CLUST-ER
CREATE
CULTURA E CREATIVITÀ

CLUST-ER
GREENTECH
ENERGIA E SOSTENIBILITÀ

CLUST-ER
HEALTH
SALUTE E BENESSERE

CLUST-ER
INNOVATE
INNOVAZIONE NEI SERVIZI

CLUST-ER
MECH
MECCATRONICA E MOTORISTICA

CLUST-ER
TOURISM
TURISMO E TERRITORIO

CLUST-ER
URBAN
ECONOMIA URBANA

784 members
(56%
companies)

32
value
chains

3000+ people
attending events



Clust-ER GREENTECH



VALUE CHAINS:

Low carbon economy

- Biomethane & biofuels
- Smart energy systems
- Energy efficiency and low carbon solutions for industry

Environmental sustainability and ecosystem services

- Coastal areas sustainable development
- Air quality and climate change
- Circular economy and sustainable development

MEMBERS:

- 110 +
- 61% companies





A digital space for collaboration: Emilia-Romagna Open Innovation Platform, EROI



4.547 accounts

16,5% into energy, sust. development, environment



43% Employed

25% Free lance

8% Entrepreneur

5% Startupper

19% Researcher or student



81 challenges

273 proposed solutions



A decorative graphic on the left side of the slide, consisting of several overlapping circles in shades of red and orange, creating a pattern that resembles a stylized flag or a data visualization.

Some results of public private
collaboration for sustainability



S3 - ERDF 2021-2027. Calls for research projects (2 calls)

S3 research projects funded by the Region labelled as **Energy and Sustainable Growth** industrial specialisation system

94

Funded projects

48%

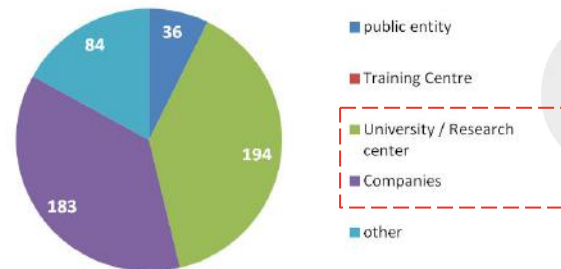
of total research projects

58M

Projects value in €

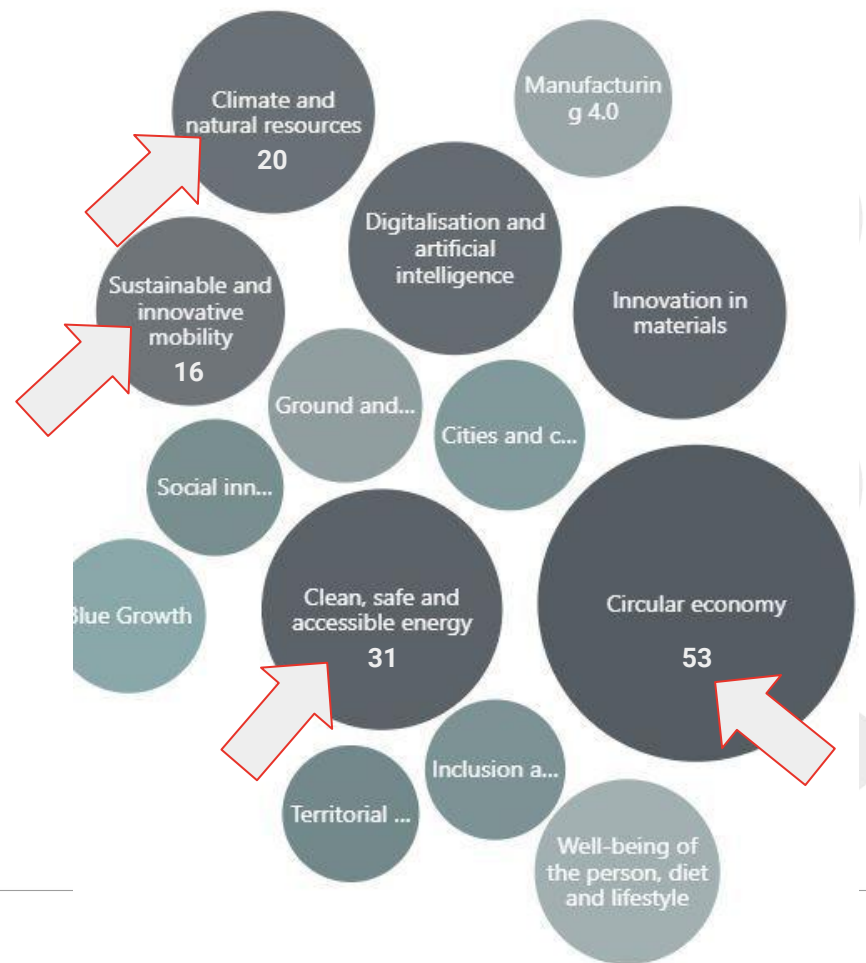
37M

Regional Contribution in €





Energy and Sustainable Growth S3 research projects distribution per cross-sectoral areas





S3 - ERDF 2021-2027. Calls for innovation projects (2 calls)

S3 projects funded by the Region
labelled as **Energy and Sustainable
Growth** industrial specialisation
system

121 
Funded projects

12%
of total innovation
projects

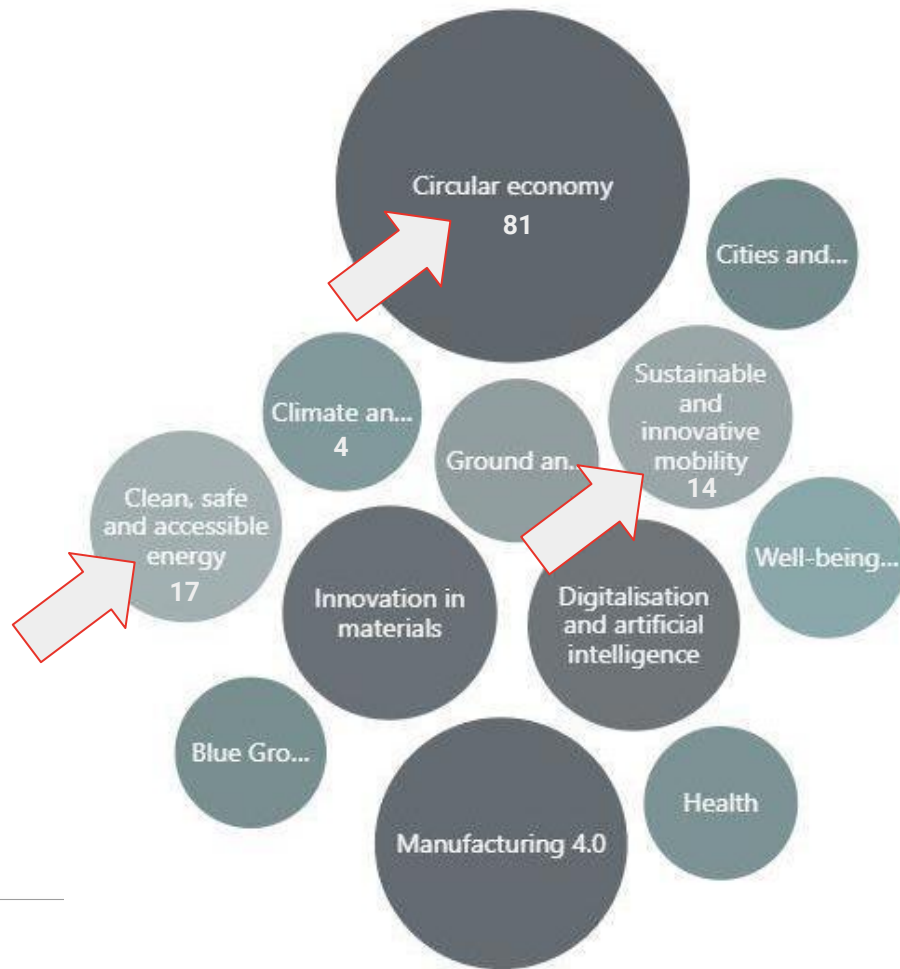
33M 
Projects value in €

10M 
Regional Contribution in €





Energy and Sustainable Growth S3 innovation projects distribution per cross-sectoral areas





Ecosister, the project with the **largest community of researchers** in Emilia-Romagna, funded by PNRR with 110 M€ for the **ecological transition** of the economic and social system of the regional territory.

The project will support the ecological transition of the regional economic and social system through a process that transversally involves all sectors, technologies and skills by combining digital transition and sustainability with people's work and well-being and environmental defense in coherence with the objectives of the Pact for Work and Climate and integrating with regional, national and European programming.



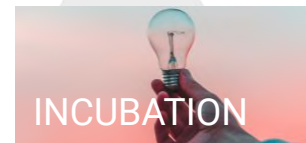


ECOSISTER: the Technology Transfer Innovation Programme , TTIP

ART-ER is the coordinator of the TTIP

TTIP ensures the adoption and accompanies the concrete application of the research results towards the regional system. It is structured in 5 strands:

- technology transfer
- acceleration
- incubation
- training
- public engagement





ECOSISTER and Enterprises

The Ecosister project will have a significant impact on local businesses through various programs that will be implemented in the TTIP program, such as:

- matching with research teams developing a business plan
- matching programs with Ph.D candidates
- participation in cascade calls for the implementation of strategic projects
- participation in international open innovation programs
- participation in big matching events focused on technology transfer
- Participation in the challenges of Public Engagement strand





The importance of public-private partnerships

Environmental sustainability is a **complex challenge** that requires a fundamental change in companies' business models but also in public intervention schemes. Only a **close and ongoing collaboration** between these players in efficient **ecosystem** can make the sustainability achievable, and only a **bottom-up participation process** can give substance to the new strategic regulations of the **Corporate Sustainability Reporting Directive**

Thank you!



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