



**CLUST-ER
INNOVATE**
INNOVAZIONE NEI SERVIZI

Service Innovation Clust-ER

**PEOPLE , SKILLS AND TECHNOLOGIES
LEVERAGING DIGITAL TRANSFORMATION**

About us

we enable the enablers

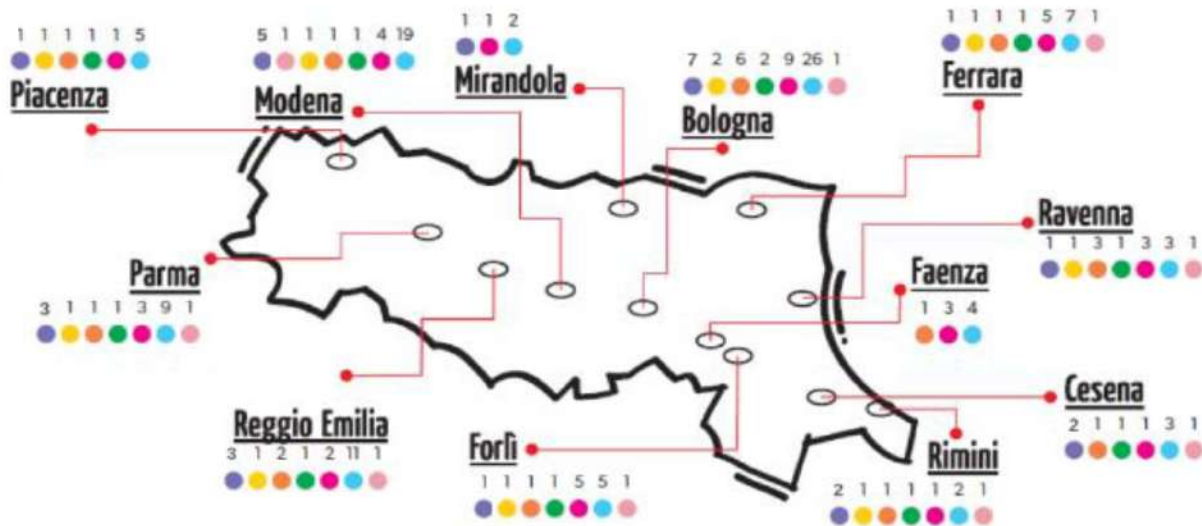
The **Service Innovation Clust-ER** is an association of public and private bodies: **companies**, **research centers** and **training institutions** that share skills, ideas and resources to support the **competitiveness of the ICT sector**

The Clust-ER, in its role of aggregator and catalyst of **innovation stakeholders**, carries out a series of activities and services to support its members, without having any revenue: our purpose is to be a booster for the territory and the members' competitiveness and level of innovation



Regional Innovation Ecosystem

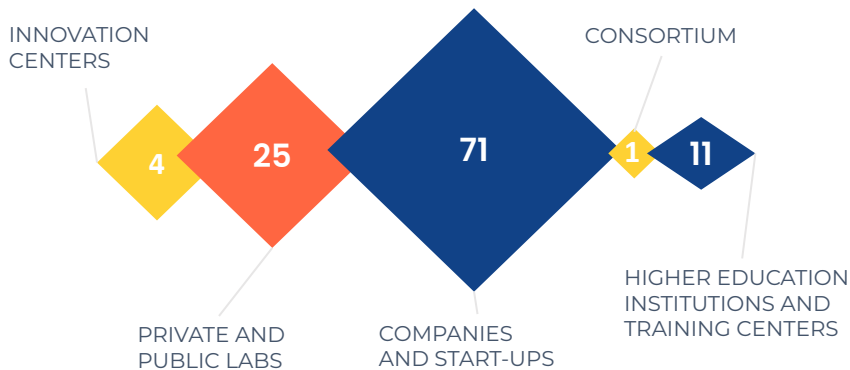
- **CLUST-ER**
 9 Clust-Ers, Big Data Association, MUNER
- **TECHNOPOLES (high technology activities)**
 10 Infrastructures
 20 Headquarters
- **HIGH TECHNOLOGY NETWORK (Rete Alta Tecnologia)**
 82 Labs for industrial research
 14 Innovation Centers
- **INCUBATORS**
 75 private and public structures
- **MAKERS**
 22 Labs for advanced manufacturing
- **OPEN LABS**
 10 Open Labs for digital-citizenship
- **S3 AREAS NETWORK**
 10 Areas inside Technopoles
- **ITS NETWORK**
 7 High Technology Schools and > 30 biannual paths



OUR NUMBERS

- Founded 2017
- 20+ events/year & 150+ news items per year
- 1 challenge for start-ups per year
- Members growth Jan 2022 - June 2023: +40%

112 MEMBERS



PROJECTS

4 INTERNATIONAL PROJECTS ON:

- Industry 4.0
- Smart Healthcare
- Education for twin transition
- Gender equality in STEM

4 NATIONAL PROJECTS ON:

- Industry 4.0 & 5.0
- Cyberrange, Upskilling and Education
- Smart Logistics

3 REGIONAL FORUMS

- Aerospace Forum
- IT-ER multistakeholder table for international talents
- Executive committee for Regional Talent Attraction Law

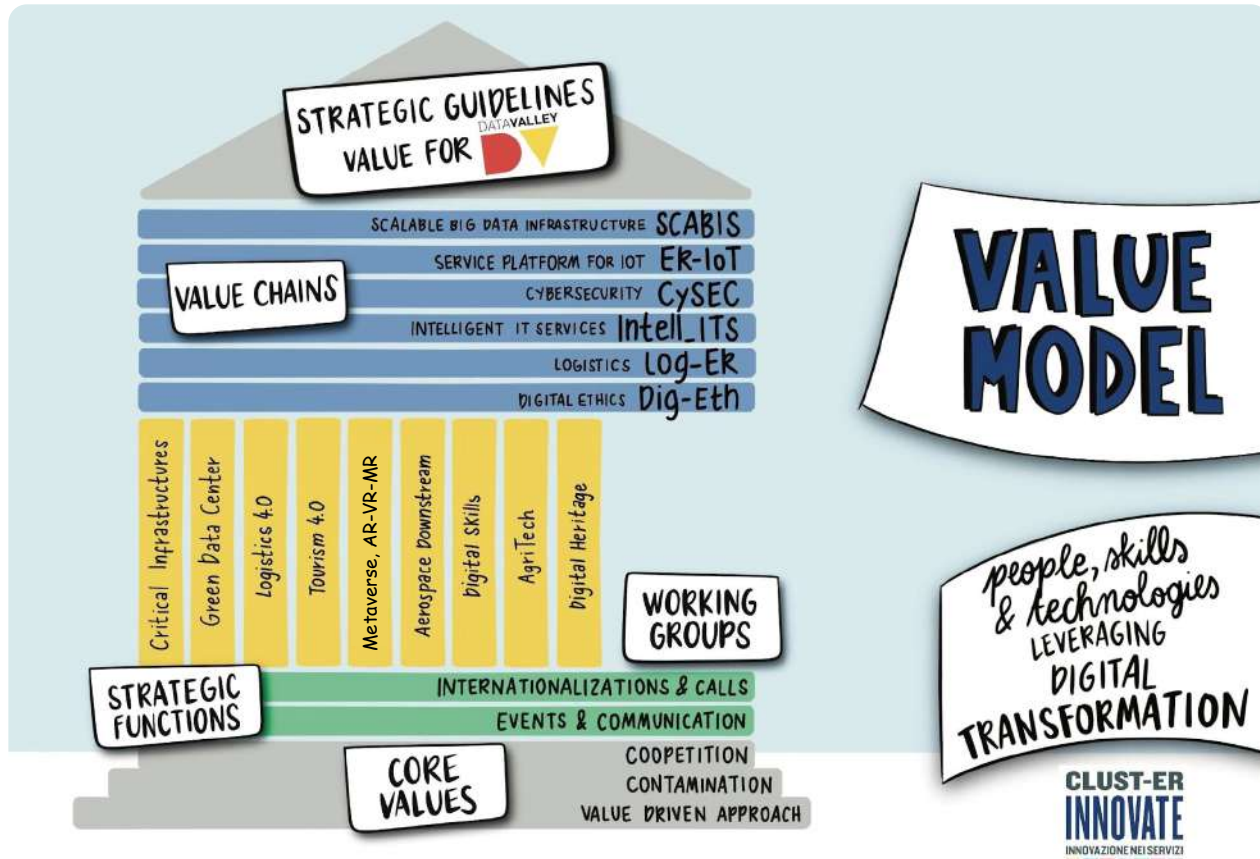
2 WHITE PAPERS

- Green & resilient data centers
- Skills for aerospace

3 PARTNERSHIPS WITH FAIRS & EVENTS

- Partner @ Research 2 Business Fair
- Partner @ We Make Future Fair
- Partner @ Bologna Tech Week

How we work – Value model



Examples from the Regional Strategy

LAW ON ATTRACTION AND ENHANCEMENT OF TALENTS

REGIONAL LAW n. 2/2023

attraction, retention and enhancement of highly specialized talents in Emilia-romagna Region in order to increase the attractiveness, innovation, quality and sustainability of the development of the regional territory

IT-ER International Talents in Emilia-Romagna

IT-ER guides international talents interested in investing their training and career in Emilia-Romagna, indicating "how to" for each step of their path (preparation, arrival, integration): from the visa application to the socialization. It represents an easy guide that highlights existent information and services throughout the region.

GDP is a poor way of assessing the health of our economies ...

Stiglitz American economist
winner of the Nobel Prize in Economics in 2001

The Global Gender Gap Index Framework

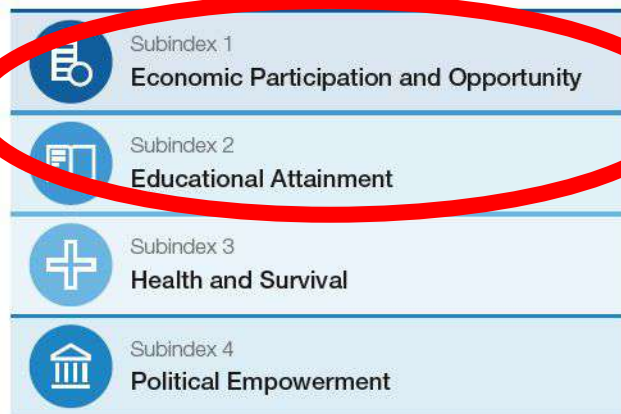
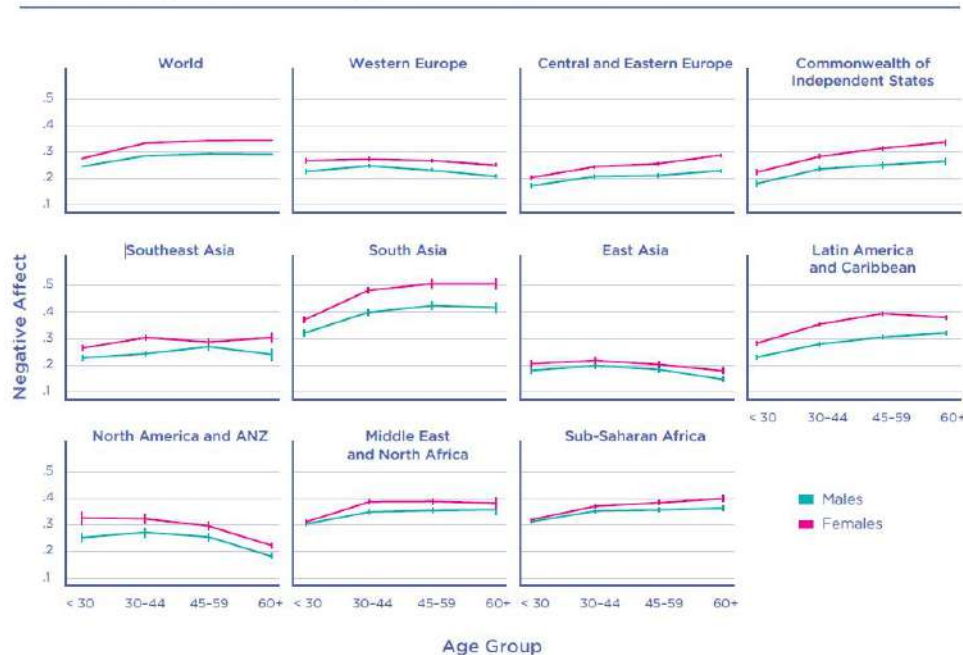


Figure 2.7: Negative emotions by gender and age, 2021-2023



SHARE VALUE THROUGH INCLUSIVENESS AND GENDER AWARENESS IN ICT

ICT ATTRACTIVENESS

LONG TERM IMPACT

SCHOOL & CITIZENS

WOMEN UNDER 20

TWO WAY DIALOGUE

CAREER GUIDANCE

HAVE A DIRECT RELATIONSHIP WITH YOUNG TALENTS

- Local and national projects (e.g., Ragazze Digitali, YOUZ)
- Projects with Universities (e.g., UniFe)
- Hackathons
- Role modeling & mentorship

STAKEHOLDERS

- ART-ER and Regional Departments
- Agenda Digitale (regional organization for digital citizenship)
- Middle and High Schools , Universities
- Influencers

ICT PRODUCTIVITY

SHORT TERM IMPACT

INDUSTRY & SERVICES

WOMEN OVER 20

ATTRACTION

RETENTION

HAVE A DIRECT RELATIONSHIP WITH COMPANIES AND POLICY MAKERS

- Committee of Law on Attraction and Enhancement of Talents
- Multi-stakeholder table "IT-ER"
- Cultural and methodological support to Members
- National and international projects

STAKEHOLDERS

- ART-ER and Regional Departments
- Clust-ER's members and local companies
- International network
- Policy makers

COMPETITIVE ADVANTAGE VS SOCIAL ISSUE

Less inequality → more well being, more happiness

Less talent shortage → more turnover, more competitiveness

What it means to us to be a multiplier of value

Connect: two-way amplifier channel between policy makers and companies, especially SMEs

Being a channel for G.E. initiatives— e.g. “**Debuting**” Interreg Europe Project
(11 EU Partners 2023-2027)

Developing Business Through Inclusiveness and Gender Awareness - New Cluster Competences

- Mapping and analysis of **Clust-ER and SME needs**
- Collection and exchange of good practices through **study visits** and **workshops**
- Definition, in agreement with the Emilia-Romagna Region, of **actions and measures to improve the identified policy instrument**
- Communication and dissemination activities

What it means to us to be a multiplier of value

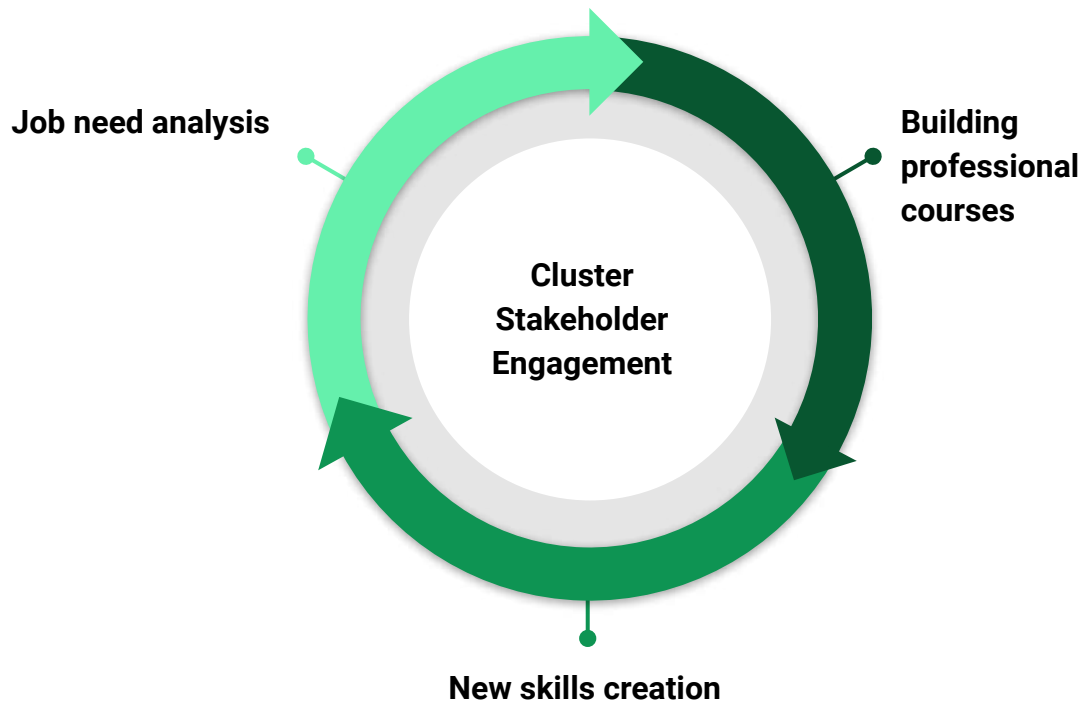
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Developing Business Through Inclusiveness and Gender Awareness - New Cluster Competences

- **Mapping and analysis of Clust-ER and SME needs**
 - About 70 projects run by public organization
 - Some international companies □ Regional Clusters
 - Next step SMEs □ Regional Clusters

Good practices in collaboration between companies and training



Case study #1: Skills 4 Space

"Skills4Space" is a pathway started with an event that involved about 65 stakeholders in the Italian aerospace field, mostly located in northeastern Italy.

It resulted in:

1) **White Paper Skills 4Space** that outlines the identity kit of "Space Personas", representing the set of hard and soft skills that make up the aerospace talent for technical and managerial profiles

2) **Geospatial Data Analyst Course**

- 344 course hours
- 156 internship hours
- 12 students
- 100% totally free of charge for participants



 <https://innovate.clust-er.it/documenti-e-pubblicazioni/>

Case study #2: Learning Information Modeling Environment



Our working groups “Talents & Skills” and “Digital Heritage” collaborated in the creation of the didactic plan of this technical institute of higher education:

- 1200 course hours
- 800 internship hours
- 25 students
- 100% totally free of charge for participants

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