Make the Emilia-Romagna Region INNOVATIVE AND COMPETITIVE, INCLUSIVE AND SUSTAINABLE, CREATIVE AND OPEN by promoting innovation for development of the territory and its businesses, enhancing its excellent research resources, the qualified employment of its talents, and the well-being of people.
Factsheets

EMILIA-ROMAGNA REGION
Area: 22,452,78 sq. km
Population: 4,454,393
GDP: 144,515 M€
GDP per capita: 32,487 €
Unemployment rate: 7.7% (Italy 12.3% - EU18 10.9%)
A VIBRANT PRODUCTIVE SYSTEM WITH WORLDWIDE EXCELLENCES

Enterprises: 424,000
Manufacturing enterprises: 50,000

RENOWNED COMPANIES
Amadori, Barilla, Carpigiani, Conserve Italia, Parmigiano Reggiano, Prosciutto di Parma, Dallara, Datalogic, Ducati, Ferrari, Ferrarini, IMA, Maserati, MaxMara, Pollini, Sacmi, Technogym, Tetra Pak, etc

865 innovative start-ups
Emilia-Romagna ranks 2nd in Italy
BIG DATA COMMUNITY

Figures
- 1791 Researchers Involved
- 230 Foreign Researchers Hosted
- 94 International Events
- 60 Higher Education Initiatives Including
  - PhD courses
  - Laurea magistrale
  - Master
  - Summer schools

Connectivity Infrastructures
- GARR-X Research Network
  - Up to 100 gbps capacity
  - Capacity 4 point of presences (pop)
- LEPIDA The Emilia-Romagna Regional Network of the Public Administrations
  - Towards 100 gbps capacity
  - More than 140,000 km optical fibers and 2,500 access nodes
  - 42 Pop nodes + 4 integrated regional data centers
  - Current coverage of fast internet availability in Emilia-Romagna: 40% of households
AN ANALYSIS OF INDUSTRY 4.0 ASSETS IN THE REGION

• Education and training
• Skills supporting innovation
• Infrastructures
• Project development skills
• Market oriented activities (patents and spin-offs)
• Synergies and vision for Emilia-Romagna smart specialization strategy

https://www.aster.it/en/pubblicazioni
EDUCATION

N.1 region in Italy for higher education attractiveness index

138,000 University students

PRIMARY SCHOOL
Worldwide leader in childcare (Roggio Children - www.roggiochildren.it)
Important presence of PCs, interactive whiteboards and Internet connections in schools

POLYTECHNIC NETWORK SYSTEM
7 institutes of high technology
100 secondary-level technical training programs
130 million dollars per year for the Regional Training System

UNIVERSITY & RESEARCH
6 Universities, 1 School of Advanced International Studies (Johns Hopkins University), 1 Motorvehicle University of Emilia-Romagna (MUNER)
4,500 professors and researchers
830 courses of study from bachelor degrees to doctorates
66 courses of study granting double/triple degrees
8 National Public Research Centers
EMILIA-ROMAGNA RESEARCH INFRASTRUCTURE

Main Research Centers highly specialised

CNR - National Research Council (16 institutions)
ENEA - Italian National agency for new technologies, Energy and sustainable economic development (4 centers)
INFM - National Institute for Material Physics
IASF – Italian national institute for astrophysics
INGV – National Institute of Geophysics and Volcanology
CINECA - the largest Italian computing centre
IOR – Orthopedic Institute Rizzoli
CNIT - the National Inter-University Consortium for Telecommunications
SSICA – Preserves’ Experimental Centre in Parma
CMR - Regenerative Medicine Center “Stefano Ferrari”

Full time Researchers/Scientists: 23,100

Researchers

- Universities: 56%
- Research Institutions: 33%
- Enterprises: 11%
RESEARCH AND DEVELOPMENT INDICATORS 1

**Spesa R&S Totale**
- ER: 1,72
- IT: 1,38
- EU28: 2,22

*in percentuale del Pil | 2014 | Noi-Italia Istat*

**Ocupati Manifattura Hi-Tech**
- ER: 9,6
- IT: 6,1
- EU28: 5,8

*in percentuale sul totale degli addetti | 2016 | Eurostat*

**Spesa Imprese R&S**
- ER: 1,15
- IT: 0,76
- EU28: 1,3

*in percentuale del Pil | 2014 | Noi-Italia Istat*

**Ocupati Servizi Alta Conoscenza**
- ER: 2,4
- IT: 2,9
- EU28: 2,5

*In percentuale sul totale degli addetti | 2016 | Eurostat*

**Intensità Brevettuale**
- ER: 132,9
- IT: 60,1
- EU28: 112,3

*Brevetti registrati presso EPO per milione di abitanti 2012 | Noi-Italia Istat*

**Banda Larga Nelle Imprese**
- ER: 92,94
- IT: 92,4
- EU28: 92

*in percentuale sul totale delle imprese 2016 | Noi-Italia Istat*
RESEARCH AND DEVELOPMENT INDICATORS 2

**ADDETTI R&S**
- ER - 6,8
- IT - 4,1
- EU28 - 5,5
Per 1,000 abitanti | 2014 | Noi-Italia Istat

**ISTRUZIONE TERZIARIA**
- ER - 29,64
- IT - 26,17
- EU28 - 38,7
In percentuale sulla popolazione nella stessa classe di età 2016 | Noi-Italia Istat

**LAUREATI SCIENZA E TECNOLOGIA**
- ER - 19,96
- IT - 13,6
- EU28 - 18,7
per 1,000 residenti in età 20-29 anni | 2014 | Noi-Italia Istat

**ATTRATTIVITÀ UNIVERSITÀ**
- Regione Emilia Romagna - 1° posto
  per indice di attrattività del sistema universitario (25,1%)

**STARTUP INNOVATIVE**
- Regione Emilia Romagna - 2° posto
  per numero di Startup innovative
  (865 pari al 10,5% del valore complessivo nazionale)

**SPIN OFF RICERCA**
- Regione Emilia Romagna - 4° posto
  per numero di Spin Off accademici attivi (9% del nazionale)

Per aggiornamento dati vedi [https://www.aster.it/indicatori/indicatori-ricerca](https://www.aster.it/indicatori/indicatori-ricerca)
15 years of industrial policies that support innovation

EMILIA-ROMAGNA INDUSTRIAL POLICY
EMILIA-ROMAGNA INDUSTRIAL POLICY

2001
- In Italy the responsibility for R&I moves to regional level
- MoU between Regional Government, Universities, Research Organizations, Entrepreneurial Associations for a “Towards regional system of R&I”

2002
- First regional law for applied research and innovation in Italy
- ASTER Consortium: 6 Universities in ER, 3 National research centres, Entrepreneurial Associations

2003
- Regional Programme for Industrial Research, Innovation and Technology Transfer

2004-2008
- Collaborative projects promoted by universities/research organizations with companies

Improving the capacity of industrial system (SMEs) to invest in R&D&I
Building a network of competence centres, organizing the “offer” of research and innovation of the public system
EMILIA-ROMAGNA INDUSTRIAL POLICY

ERDF 2007-2013

2009

• 3-years research programme
  → 35 labs promoted by universities and public research organizations

2012-2013

• enlargement of HTN to private labs and other research organisation
  
  82 Industrial Research labs

  14 Innovation Centres

ERDF 2014-2020

2014-2016

• Regional S3 developed and approved by the EC
  • 54 strategic industrial research projects selected with a competitive call for proposals

2017

• Improve focus on S3 priorities
  • CLUST-ERs Associations based on S3, putting together:
    - Enterprises
    - HTN Labs
    - training bodies

Impact on regional priorities
Increased involvement of companies
Focus on “demand”, no more on “offer”

2.900+ contracts
195+ M€
49% enterprises direct funding

Monitoring dashboard (2009-2016)

700 full time Researchers
2.400 other Researchers

ERDF 2007-2013

ERDF 2014-2020
Regional Policy – FOCUS on

SMART SPECIALIZATION STRATEGY
EMILIA-ROMAGNA S3 VISION

• **Vertical objectives**
  o Reinforce the industrial systems strategic for regional specialization
  o Reinforce the industrial systems with high growth and social inclusion potential

• **Horizontal drivers**
  o Drivers concerning socio-economic trends and changing
  o Service Innovation
### Pillars of the regional economy

<table>
<thead>
<tr>
<th>Industry</th>
<th>Percentage</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agri-food</td>
<td>16.7%</td>
<td>1 million employees, more than 50% of regional employment</td>
</tr>
<tr>
<td>Building and construction</td>
<td>18.8%</td>
<td></td>
</tr>
<tr>
<td>Mechatronics and transport</td>
<td>18.2%</td>
<td>80% of regional export</td>
</tr>
</tbody>
</table>

### Emerging areas with high growth potential

<table>
<thead>
<tr>
<th>Industry</th>
<th>Percentage</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health and well-being industries</td>
<td>8.9%</td>
<td>Over 300,000 employees, more than 15% of regional employment</td>
</tr>
<tr>
<td>Cultural and creative industries</td>
<td>6.9%</td>
<td></td>
</tr>
</tbody>
</table>
SUPPORT TO INTERNATIONALIZATION
MAIN ACTIONS

“OUTGOING”: regional measures to support internationalization of SMES

“INCOMING”: regional agreements for the settlement and development of enterprises
THE MEASURES FOR SMES

• Promotion of the regional economic system
  • Clustered promotional projects
  • Promotion of international fairs
  • Promotion and networking of R&D organisations

• Subsidies to SMEs
  • Support to selected projects of internationalisation realised by SMEs

• National or inter-regional projects
  • 2017: Expo’ Astana (Khazkistan)
## RESULTS - 2016

<table>
<thead>
<tr>
<th>Category</th>
<th>N. Projects approved</th>
<th>Total subsidies € Milions</th>
<th>Total investment € Milions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clustered projects</td>
<td>24</td>
<td>1,37</td>
<td>3,6</td>
</tr>
<tr>
<td>Projects for SMEs’ partic. to fairs</td>
<td>257</td>
<td>6,4</td>
<td>21,7</td>
</tr>
<tr>
<td>New exporting SMEs</td>
<td>164</td>
<td>10,3</td>
<td>20,6</td>
</tr>
<tr>
<td>Export consortia</td>
<td>17</td>
<td>2,0</td>
<td>4,0</td>
</tr>
<tr>
<td>Promotion of ER fairs</td>
<td>18</td>
<td>0,91</td>
<td>1,9</td>
</tr>
</tbody>
</table>
ATTRACTIVENESS

• Based on: Regional Law for the Promotion of Investments in Emilia-Romagna n.14/2014
• Support the development of Regional Agreements for Settlement and Development of Enterprises
• Two calls: 2016 and 2017
## 2016 RESULTS

### A) INVESTMENTS WITH AT LEAST 150 ADDITIONAL EMPLOYEES

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>PROVINCE</th>
<th>TOTAL AMOUNT OF INVESTMENT</th>
<th>TOTAL AMOUNT TO BE FINANCED (ELIGIBLE EXPENDITURE)</th>
<th>INCENTIVES</th>
<th>ADDITIONAL JOBS</th>
<th>TIMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTOMOBILI LAMBOGHINI</td>
<td>BOLOGNA</td>
<td>296,694,786</td>
<td>23,634,953</td>
<td>8,130,554</td>
<td>150 (110 GRADUATES)</td>
<td>31/12/2019</td>
</tr>
<tr>
<td>YOOX NET-A-PORTER GROUP</td>
<td>BOLOGNA</td>
<td>30,016,250</td>
<td>30,016,250</td>
<td>4,000,000</td>
<td>205 (180 GRADUATES)</td>
<td>31/12/2018</td>
</tr>
<tr>
<td>TEKO TELECOM</td>
<td>BOLOGNA</td>
<td>22,500,000</td>
<td>5,224,388</td>
<td>2,926,928</td>
<td>260 (90 GRADUATES)</td>
<td>30/04/2020</td>
</tr>
</tbody>
</table>

### B) INVESTMENT PROGRAMME WITH A HIGH STRATEGIC VALUE (> 50 persons of which graduates > 40%)

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>PROVINCE</th>
<th>TOTAL AMOUNT OF INVESTMENT</th>
<th>TOTAL AMOUNT TO BE FINANCED (ELIGIBLE EXPENDITURE)</th>
<th>INCENTIVES</th>
<th>ADDITIONAL JOBS</th>
<th>TIMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUCATI MOTOR HOLDING</td>
<td>BOLOGNA</td>
<td>29,191,000</td>
<td>15,424,336</td>
<td>4,587,499</td>
<td>62 (38 GRADUATES)</td>
<td>31/12/2019</td>
</tr>
<tr>
<td>AVL ITALIA</td>
<td>REGGIO EMINIA</td>
<td>10,524,689</td>
<td>9,435,761</td>
<td>3,233,144</td>
<td>52 (43 GRADUATES)</td>
<td>30/04/2020</td>
</tr>
<tr>
<td>B. BRAUN AVITUM ITALY</td>
<td>MODENA</td>
<td>9,342,000</td>
<td>3,628,688</td>
<td>1,517,406</td>
<td>50 (20 GRADUATES)</td>
<td>09/01/2020</td>
</tr>
<tr>
<td>ELETTRIC 80</td>
<td>REGGIO EMINIA</td>
<td>10,072,000</td>
<td>2,765,500</td>
<td>1,227,506</td>
<td>60 (30 GRADUATES)</td>
<td>30/04/2020</td>
</tr>
</tbody>
</table>

### C) CREATION OF R&D CENTRES (at least 20 employees, all graduates)

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>PROVINCE</th>
<th>TOTAL AMOUNT OF INVESTMENT</th>
<th>TOTAL AMOUNT TO BE FINANCED (ELIGIBLE EXPENDITURE)</th>
<th>INCENTIVES</th>
<th>ADDITIONAL JOBS</th>
<th>TIMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMA</td>
<td>BOLOGNA</td>
<td>8,061,815</td>
<td>8,061,815</td>
<td>3,548,406</td>
<td>20 (ALL GRADUATES)</td>
<td>31/12/2019</td>
</tr>
<tr>
<td>HPE</td>
<td>MODENA</td>
<td>9,668,000</td>
<td>8,039,593</td>
<td>3,509,154</td>
<td>21 (ALL GRADUATES)</td>
<td>31/12/2019</td>
</tr>
<tr>
<td>ECOR RESEARCH</td>
<td>MODENA</td>
<td>5,004,302</td>
<td>5,004,302</td>
<td>2,393,839</td>
<td>20 (ALL GRADUATES)</td>
<td>08/01/2020</td>
</tr>
<tr>
<td>IRST IRCS</td>
<td>FORLI-CÉSENA</td>
<td>4,169,000</td>
<td>3,000,000</td>
<td>1,500,000</td>
<td>25 (20 GRADUATES)</td>
<td>31/12/2019</td>
</tr>
</tbody>
</table>

### D) REDIRECTION OF PRODUCTION (100 employees involved and 10% of additional employees)

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>PROVINCE</th>
<th>TOTAL AMOUNT OF INVESTMENT</th>
<th>TOTAL AMOUNT TO BE FINANCED (ELIGIBLE EXPENDITURE)</th>
<th>INCENTIVES</th>
<th>ADDITIONAL JOBS</th>
<th>TIMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECI</td>
<td>PARMA</td>
<td>79,385,730</td>
<td>8,105,969</td>
<td>3,322,662</td>
<td>22 (8 GRADUATES) + 74</td>
<td>30/08/2020</td>
</tr>
<tr>
<td>FOX (di Renzo Bompani e C.)</td>
<td>FERRARA</td>
<td>5,275,000</td>
<td>3,062,245</td>
<td>1,540,140</td>
<td>20 (5 GRADUATES) + 159</td>
<td>30/12/2019</td>
</tr>
</tbody>
</table>

**TOTAL: 13 COMPANIES**

<table>
<thead>
<tr>
<th>TOTAL AMOUNT OF INVESTMENT</th>
<th>TOTAL AMOUNT TO BE FINANCED (ELIGIBLE EXPENDITURE)</th>
<th>INCENTIVES</th>
<th>ADDITIONAL JOBS</th>
<th>TIMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>321,845,573</td>
<td>126,193,172</td>
<td>40,197,639</td>
<td>1,204 (605 GRADUATES, more than 300 new researchers)</td>
<td></td>
</tr>
</tbody>
</table>
STARTUP ECOSYSTEM IN EMILIA-ROMAGNA
2° in Italy

### K - Start up Innovative

<table>
<thead>
<tr>
<th>Region</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lombardia</td>
<td>1,889</td>
</tr>
<tr>
<td>Emilia-Romagna</td>
<td>865</td>
</tr>
<tr>
<td>Lazio</td>
<td>802</td>
</tr>
<tr>
<td>Veneto</td>
<td>727</td>
</tr>
<tr>
<td>Campania</td>
<td>610</td>
</tr>
<tr>
<td>Piemonte</td>
<td>446</td>
</tr>
<tr>
<td>Sicilia</td>
<td>418</td>
</tr>
<tr>
<td>Marche</td>
<td>369</td>
</tr>
<tr>
<td>Toscana</td>
<td>364</td>
</tr>
<tr>
<td>Puglia</td>
<td>308</td>
</tr>
<tr>
<td>Trentino-Alto Adige</td>
<td>240</td>
</tr>
<tr>
<td>Abruzzo</td>
<td>206</td>
</tr>
<tr>
<td>Friuli-Venezia Giulia</td>
<td>189</td>
</tr>
<tr>
<td>Calabria</td>
<td>185</td>
</tr>
<tr>
<td>Sardegna</td>
<td>158</td>
</tr>
<tr>
<td>Liguria</td>
<td>153</td>
</tr>
<tr>
<td>Umbria</td>
<td>138</td>
</tr>
<tr>
<td>Basilicata</td>
<td>70</td>
</tr>
<tr>
<td>Molise</td>
<td>40</td>
</tr>
<tr>
<td>Valle d'Aosta</td>
<td>17</td>
</tr>
</tbody>
</table>
STARTUPS PER INDUSTRIAL SECTOR

- Agrifood: 13%
- Constructions: 7%
- Energy and Environment: 9%
- ICT and Design: 3%
- Life Science: 2%
- Mechanics and Materials: 56%
- Other: 10%
Service providers: +80
Facilities: +30
Where everything happens

INNOVATION PLACES
REGIONAL INNOVATION BUILDING BLOCKS

- HIGH TECHNOLOGY NETWORK
- TECHNOPOLES
- AREA S3 NETWORK
- FABLABS
- OPEN LABORATORIES
REGIONAL INNOVATION BUILDING BLOCKS

HIGH TECHNOLOGY NETWORK

TECHNOPOLES

AREA S3 NETWORK

FABLABS

OPEN LABORATORIES
TECHNOPOLES GEOGRAPHIC DISTRIBUTION

- PARMA
  - Campus Universitario di Parma Area delle Scienze
- MODENA
  - Campus del Dipartimento di Ingegneria Enzo Ferrari
  - Parco Scientifico Tecnologico di Mirandola
  - Knowbel Spilamberto
- FERRARA
  - Area Polo Chimico Biomedico
  - Dipartimento di Ingegneria
  - Polo Scientifico Tecnologico
  - Teknehub
- RAVENNA
  - Campus Universitario
  - Parco Torricelli
- PIACENZA
  - Casino Mandelli
  - Ex Officina Trasformatori
- REGGIO EMILIA
  - Capannone 19
  - Area Ex Officine Reggiane
  - Ex Manifattura Tabacchi
  - CNR AMBITEL - Area della Ricerca di Bologna
- RIMINI
  - Area Ex Macello Comunale
- BOLOGNA
  - Polo Tecnologico Aeronautico
  - Gallerie Casponi
  - Rocca delle Caminate
  - Villa Americi

Regione Emilia-Romagna

ASTER
innovazione attiva
10 infrastructures located throughout the Emilia-Romagna region, organizing activities and providing services for industrial research, experimental development and technology transfer.

Technopoles stem from an initiative of the Emilia-Romagna Region in collaboration with universities, research centres and local authorities.
The High Technology Network is composed by 96 accredited members, comprising 82 Industrial Research Laboratories (Universities and Public Research Centres) and 14 Innovation Centres.

The Network provides skills, facilities and projects to the business sector.
Industrial Research Competencies Catalogue

Research Equipments Catalogue

Template Contracts

Highly-qualified industrial researchers’ profiles database

Dashboard: contracts signed by the Network

HTN TOOLBOX
Spaces within the regional Technopoles, where students, researchers, entrepreneurs and teachers can find information on how to develop a project idea, start a new entrepreneurial venture, improve their skills.
REGIONAL INNOVATION BUILDING BLOCKS

- HIGH TECHNOLOGY NETWORK
- TECHNOPOLES
- AREA S3 NETWORK
- FABLABS
- OPEN LABORATORIES
• **Mak-ER** is the regional network for digital manufacturing

• It brings together communities of people in Emilia-Romagna who share **digital fabrication and advanced manufacturing** laboratories

• Mak-ER aims to **increase distributed creativity** and establish itself with local, national and international players by **promoting its members’ activities**
REGIONAL INNOVATION BUILDING BLOCKS

- HIGH TECHNOLOGY NETWORK
- TECHNOPOLES
- AREA S3 NETWORK
- FABLABS
- OPEN LABORATORIES
THE OPEN LABORATORIES NETWORK
The Open Laboratories Network

Open Laboratories are areas where new models of collaboration among citizens, public authorities, civic associations, universities, etc are experienced and developed.

They involve all players with an important role in the transformation of urban areas using the digital component as enabler of new relationships/applications/services.
At the core of the ecosystem

ASTER
ASTER is the Consortium among
- the Emilia-Romagna Regional Government
- the 6 regional Universities
- National Research Centres located in the region (CNR, ENEA, INFN)
- the Regional system of Chambers of Commerce

ASTER works in collaboration with regional Business Associations and Innovation Centres

Since 1985 ASTER has shaped and defined *pathways and tools for innovation, industrial research, technology transfer* and for the improvement of *high quality skills* and careers on innovation.
ASTER is at the core of a vibrant eco-system

ASTER animates it through joint activities and open innovation actions involving all the relevant stakeholders of the territory: Universities, RTOs, Innovation Centres, Technopoles, Incubators, Startups and Fablabs.
ASTER AT THE CORE OF THE ECOSYSTEM

Supports the Regional Government and provides technical assistance for the definition of **innovation policies**

Represents the regional **innovation system** at regional, national and international level

Designs and develops **strategic projects**

Coordinates **networks and initiatives on innovation**
PROJECT DESIGN AND DEVELOPMENT

• It is a cornerstone of ASTER activity

• Starting from late 80’s, ASTER has managed more than **100 European Commission funded projects**, 30% of which as lead partner

• Topics: **R&D, innovation, technology transfer, startup creation, skills and human capital valorisation, regional development**
ASTER TARGETS

BUSINESSES

RESEARCH

HUMAN CAPITAL

STARTUPS
ASTER TARGETS

BUSINESSES

RESEARCH

HUMAN CAPITAL

STARTUPS
2015-2016 | A FEW RESULTS

- **320** Companies and researchers supported in the search, management and promotion of innovative technologies (>: mechatronics and transport; health & well-being, cultural & creative industries)
- **400** Services provided (>: partnership researches and offers; check-ups)
- **19** Brokerage Events and Company Missions organised in Italy and around Europe
- **458** Transnational meetings organised during Brokerage Events and Company Mission
- **25** Transnational partnership agreements signed
- **DEM: 15.572** contacts; follow-up companies: 268
ASTER TARGETS

- BUSINESSES
- RESEARCH
- HUMAN CAPITAL
- STARTUPS
2017: TOWARDS A NEW PHASE

• Smart Specialization Strategy approved in 2015
• High Regional Network is at the center of the Strategy

BUT

• New organization and redefinition of mode of operation for HTN
  • Integration and multidisciplinarity
  • Focus on S3 priorities
  • Entrepreneurial discovery
FROM PLATFORMS TO CLUST-ERs

• From research driven to technology/innovation driven community
• Improved approach to the market
• Combination of different experiences and skills to identify new and unexpected products, markets and business models
• Enlarged impact on regional economy
• Increased involvement of companies
• Flexible and dynamic model, suitable for different value chains in the specialization areas
ASTER fosters **high skills for industrial research and innovation** as key element to attract investments and talents and to achieve qualified jobs.

ASTER promotes the development of career pathways for PhDs and international mobility opportunities.

**“S3 AREAS” network** supporting the implementation of the researchers High Competencies

Promotion of the **technical culture** among secondary schools students

Matching between industrial research competencies and businesses
ASTER TARGETS

BUSINESSES

RESEARCH

HUMAN CAPITAL

STARTUPS
Since 2000 ASTER provides services to **knowledge-based, innovative and creative startups** in Emilia-Romagna

<table>
<thead>
<tr>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managing of EmiliaRomagnaStartUp, the regional portal for innovative start-ups</td>
</tr>
<tr>
<td>Support to startups in reaching <strong>new partners</strong> all over Europe and worldwide</td>
</tr>
<tr>
<td><strong>Incubation/Acceleration</strong> services</td>
</tr>
<tr>
<td>Support to the creation of <strong>crowdfunding</strong> and reward-based campaigns</td>
</tr>
<tr>
<td>Emilia-Romagna in Silicon Valley program</td>
</tr>
<tr>
<td>Meetings with <strong>senior advisors and mentors</strong></td>
</tr>
</tbody>
</table>
A REGIONAL PLATFORM FOR STARTUPS
AVAILABLE SERVICES

- InfoDesk
- Accompagnamento al crowdfunding
- Finanza per l'innovazione
- Helpdesk Proprietà Intellettuale
- Prendi appuntamento con IncrediBol!
- Incontra il commercialista
- Incontra il consulente del lavoro
- Incontra l'ingegnere

- ERStartUp Risponde
- Il Consulente del Lavoro Risponde
- Il Commercialista Risponde
- Helpdesk Proprietà Intellettuale Risponde
RISULTATI DI 2 ANNI KICK-ER

88 richieste tramite form online
48 incontri one-to-one
30 chiamate di approfondimento
26 report
22 checklist personalizzate
9 campagne online seguite e promosse tramite i canali ASTER ➔ 100% success rate
STARTCUP: BUSINESS PLAN COMPETITION

2017 results

• scouting tour around all the region to listen to the projects and give inputs on how to present it to the competition - **117 business ideas and 162 people**

• 136 applications – 270 people involved

• 30 regional institutions involved in the initiative

• 22.000 € private sponsorship

• 23.000 € local prizes

• 40 business ideas coming from the Academia

• 3 regional winners - 12.000 €, 5.000€ and 5.000€

• 3 projects selected to take part to PNI, the national competition for research-based startups.
People from large companies or corporations with a unique and high-level know-how, that are available for start-ups or business projects support, developing open innovation processes.
InfoDesk e Mentoring

Acceleration services – just launched the 2017 call

EmiliaRomagnaStartUp Network Headquarter

EU, internationalization and international mobility projects
ASTER AND RER IN SILICON VALLEY

www.emiliaromagnainsiliconvalley.it

EMILIA-ROMAGNA IN SILICON VALLEY

Regione Emilia-Romagna

ASTER
RESULTS AFTER 2 YEARS

● A desk for ASTER and the Region has been created in Silicon Valley (San Francisco)
● Good practice transfer: ASTER Mentor Board
● 5 editions of the Silicon Valley Mindset Program involving 45 startups
● 1 Business Match in 2017 with 8 SMEs
● Silicon Valley Mindset @R2B 2016: talks with Venture Capitalists and international startups
● Creation of MindsettER, an “Alumni” Association – (gathering participants to the various programs)
ERASMUS FOR YOUNG ENTREPRENEURS

• It is a European Union mobility program linked to EEN, to stimulate entrepreneurship, competitiveness, internationalization, start-up growth and the creation of small and medium-sized enterprises through the transfer of knowledge between established entrepreneurs and new entrepreneurs.

• It offers from 1 to 6 months with an experienced entrepreneur in all EU countries.
At last

R2B: INTERNATIONAL EXHIBITION ON INDUSTRIAL RESEARCH AND SKILLS FOR INNOVATION
SAVE THE DATE

R2B 2018

7-8 June

13° International Exhibition on Industrial Research and Competences for Innovation
KEYWORDS

INTERNATIONAL
PROGRAMMING PLATFORM
SMART & OPEN INNOVATION

STRATEGIC THEMES

Industry 4.0
Big Data for Industry
Bio-Economy & Climate Change
Competences for Innovation

TARGET COUNTRIES

Europe - China, Emirates, Israel, South Africa, USA
R2B 2018 - FORMAT

VISION
High level Speakers
International Themes

INSPIRE
Fast Talks
Point of views

LIVE SHOW
Connect
Spread

AWARDS
Share experiences

FORMAT
EXHIBITION
CONFERENCES
B2B - INNOVAT&MATCH

TECH WORKSHOP
Innovative solutions

SUCCESS STORIES
Start-ups
Industrial research
TECHNOLOGICAL AREAS

- Agrifood
- Building and Construction
- Energy and Sustainable Development
- Cultural and Creative Industries
- Life Sciences and Wellbeing
- Service Innovation
- Mechatronics and Motoristics
In collaboration with ERVET
R2B 2017 - FACTS & FIGURES

VISITORS

6,311

- 83% 5,238 COMPANIES
- 13.6% 858 POLICY MAKERS
- 16.5% 1,042 PROFESSIONALS
- 31.0% 1,956 INDUSTRY
- 1,073 17% DIGITAL
- 2,455 38.9% CONSULTANTS

+25% IN 5 YEARS
INNOVAT & MATCH 2017

OVER 600 ONE-TO-ONE MEETING
250 DELEGATES
17 COUNTRIES
R2B - CONTACTS

www.rdueb.it

+39 051 6398099

rdueb@aster.it
CNR Area della Ricerca di Bologna
Via Gobetti, 101 - 40129 Bologna, Italia
Tel +39 051 6398099

Le Serre di ASTER
via Castiglione, 136 - primo piano
40136, Bologna
email: serredegiardini@aster.it

Regione Emilia-Romagna - EU Office
Rue Montoyer 21
1000 Brussels, Belgium
Tel +32 (0) 25132456

Regione Emilia-Romagna in Silicon Valley
c/o Rocket Space
180 Sansome St, San Francisco (CA) USA - 94104
Tel +1 650 305 0392

info@aster.it | www.aster.it | @Aster_ER