

Seventh Framework Programme

e-POLICY Kick-off Meeting

University of Bologna, October 17-18, 2011

Presentation of Emilia-Romagna Region

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Regional Council for Productive Activities, Commerce, Tourism

Department for Energy and Green Economy

KEY FACTS

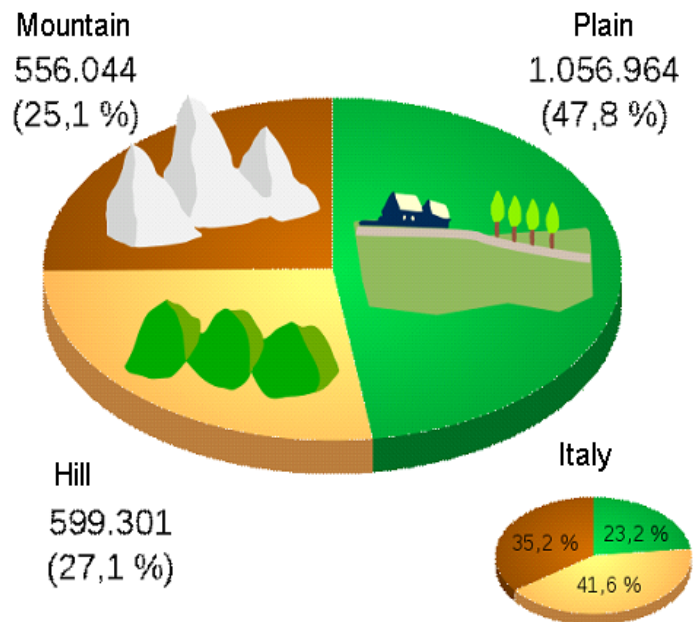
| | |
|--------------------|--|
| Location: | North-East |
| Surface area: | 22.124 km ² |
| Capital: | Bologna |
| Provinces: | 9, Bologna, Ferrara, Forlì-Cesena, Modena, Parma, Piacenza, Ravenna, Reggio Emilia, Rimini |
| Cities: | 348 + 9 provinces |
| inhab | Bologna 380.000 |
| | 7 cities > 100.000 |
| | 274 cities < 10.000 |
| Population: | 4,3 millions (2008) |
| Population density | 193 Inhab./km ² |
| GDP: | 115 billion Euro |
| GDP per capita: | 28.000 Euro |
| Export (value): | 43 billion Euro |
| ENTERPRISES | |
| Total: | 420.000 |
| < 20 employees: | 97% |

 Regione Emilia-Romagna



GEOGRAPHY

Emilia-Romagna



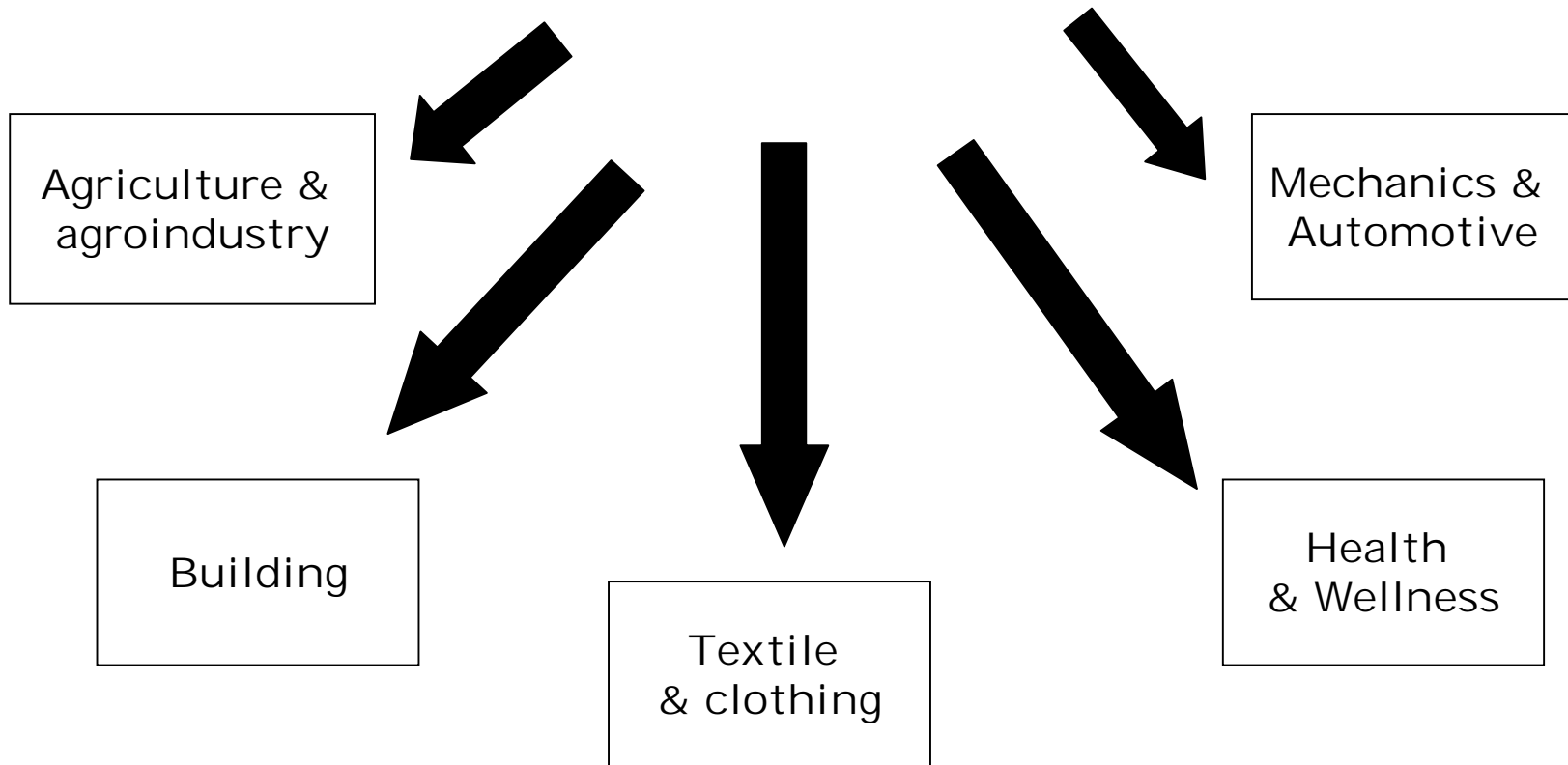
- About 48% of the region consists of plains, while 27% is hilly and 25% mountainous
- The region is the Center of communication routes and also easily accessible
- The motorway network and the railway system (length: 1.350 km)
- The airports of Bologna, Rimini, Parma and Forlì

ECONOMIC FEATURES

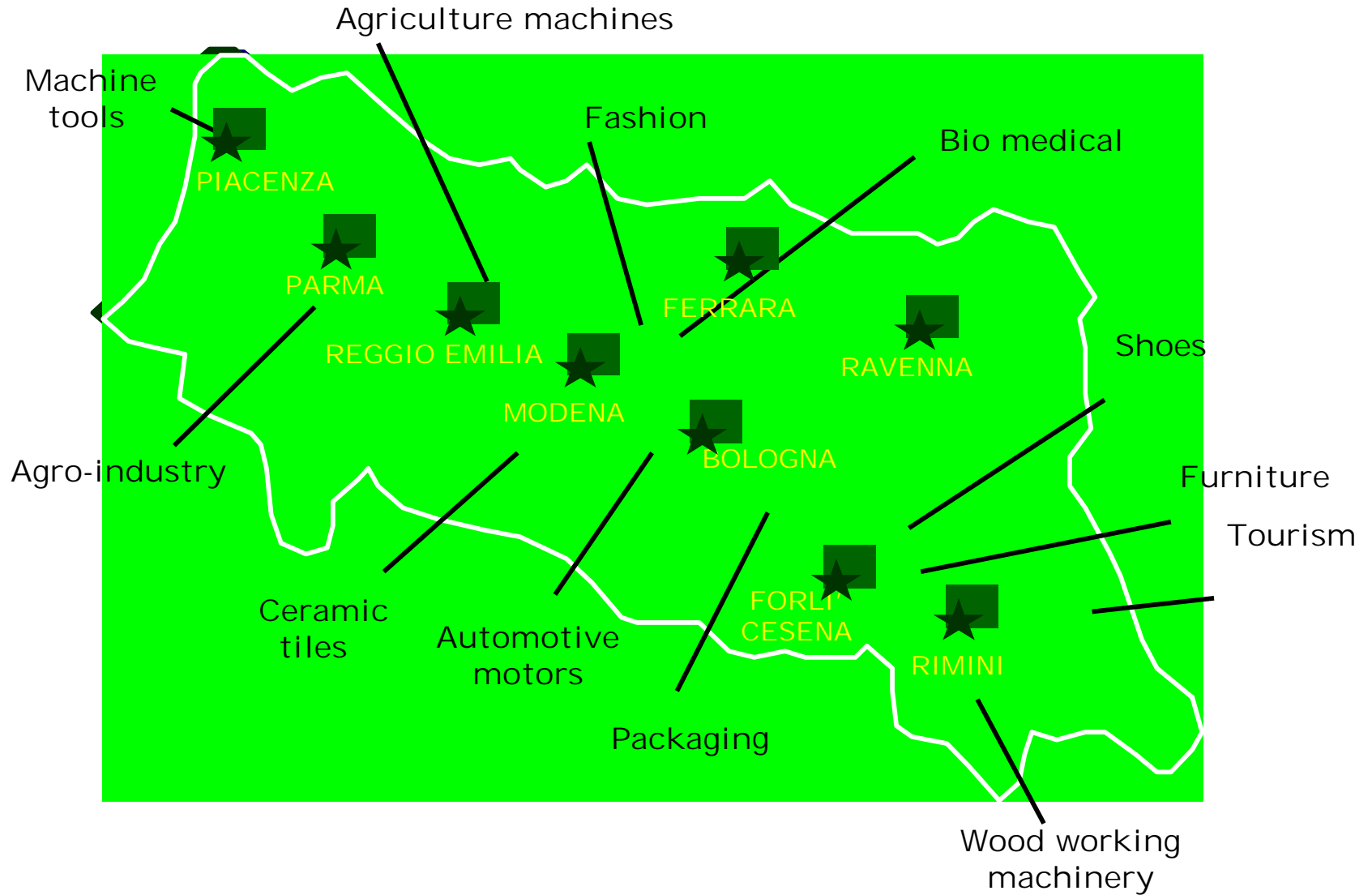
- Diversified and integrated economy (Agriculture 4%, Industry 33%, Services 63% of GDP)
- Strongly diversified industrial framework (chemical, mechanics, building, food) in which mechanics is the connective of other regional sectors
- High propensity to export
- 3,2% = unemployment rate (2008)
 - ü lower than average Italian value (6,7%)
 - ü Lower than average EU-25 value (7,9%)
- 70,4% = percentage of employed inhab. (2008)
 - ü higher than average Italian value (59,2%)
 - ü higher than average EU-25 value (64,3%)

INDUSTRIAL CHAINS

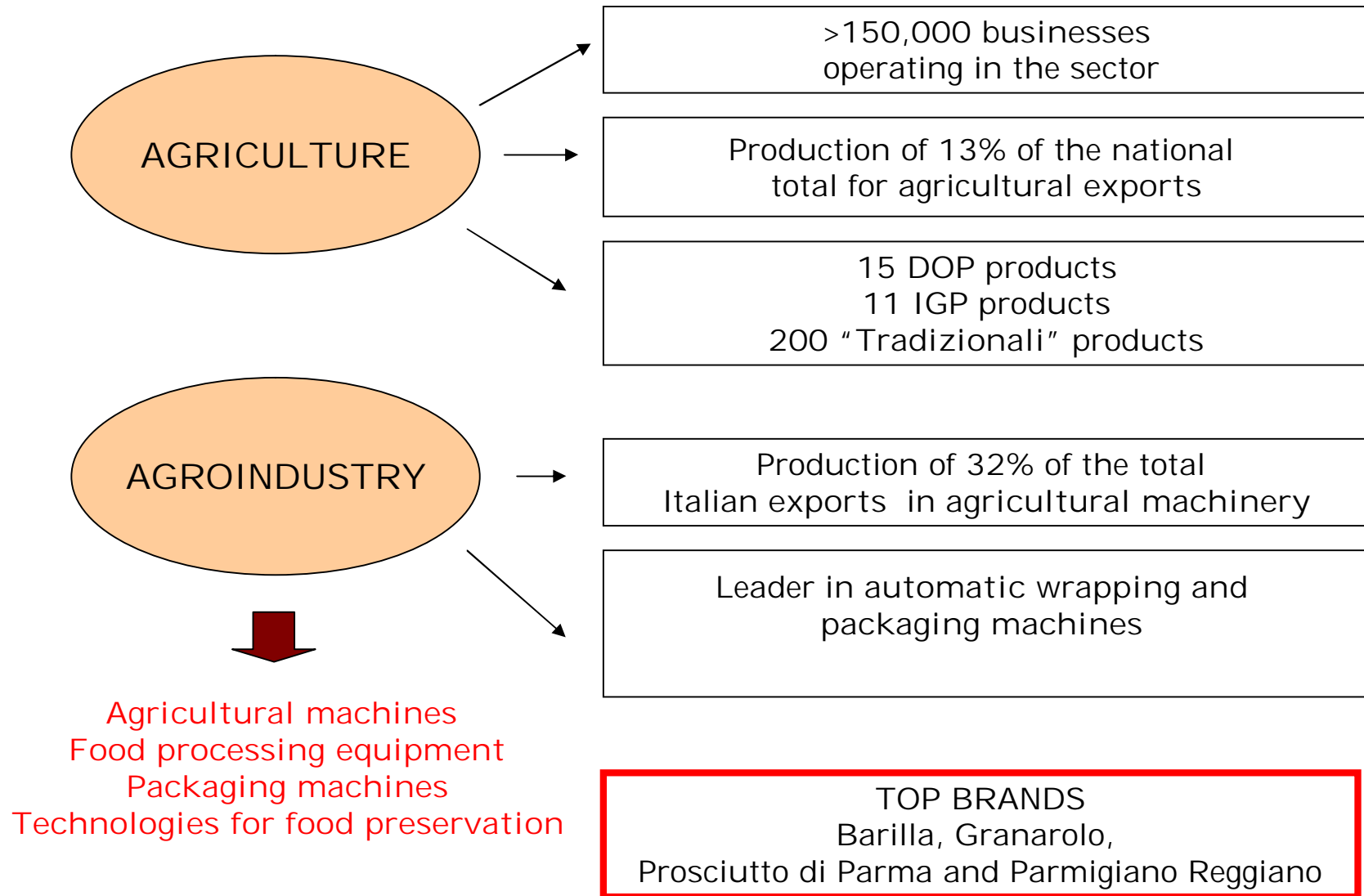
VERTICALLY-INTEGRATED PRODUCTION CHAINS



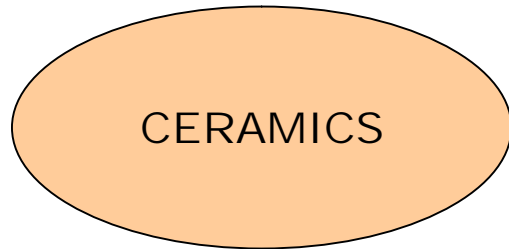
DISTRICT LOCATION



AGRICULTURE & AGROINDUSTRY



BUILDING

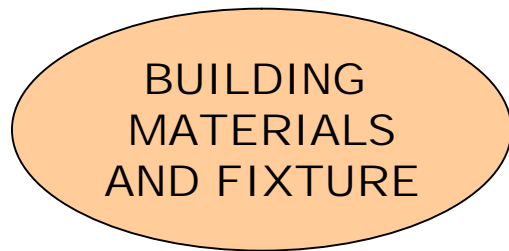


85% of National ceramic tile production
43% of European ceramic tile production
13% of World ceramic tile production

Annual production: over 600 million sqm

350 businesses operating in the sector

Exports account for over 70% sales



LEADER IN

- machines for ceramics production
- earthmoving machinery
- cranes and lifting machines
- all technological products for building industry

TOP BRANDS

Concorde Spa, EmilCeramica,
Ceramiche Richetti, Gruppo Marazzi

TEXTILE & CLOTHING

4,000 SMEs operating in the sector

MAIN PRODUCTIONS
knitwear, leather good, shoes and ready-to-wear

TEXTILE
& CLOTHING

FOOTWEAR

Carpi district
knitwear

Fusignano district
shoes

Exports account
for over 30% sales

200 companies
(90% with < 50 employees)

TOP BRANDS

Furla, Max Mara, Laura Biagiotti, La Perla

HEALTH & WELLNESS

> 500 businesses operating in the sector

> 10,000 workers employed in the sector

EXCELLENCIES

Biomedical - Orthopedic prosthesis
Electromedical devices - Pharmaceutical
Biotechnologies - Bioinformatics - Wellness

BIOMEDICAL

PHARMACEUTICAL

WELLNESS

- 144 enterprises
- 3,606 employees
- 180,219 Million euro for technical investments
- 37 excellent firms

- 79 enterprises
- 6,165 employees
- 351,719 Million euro for technical investments
- 16 excellent firms

- 159 enterprises
- 10,234 employees
- 723,550 Million euro for technical investments
- 52 excellent firms

TOP BRANDS

Alfa Wassermann, Consorzio Biomedicale, Sorin Group

MECHANICS & AUTOMOTIVE

MOST IMPORTANT AREA OF REGIONAL INDUSTRY



- OVER 28,000 ENTERPRISES OPERATING IN THE SECTOR AND REPRESENTING ALMOST 70% OF THE DEMAND FOR RESEARCH IN THE INDUSTRIAL SECTOR
- 42% OF INDUSTRIAL MANUFACTURING
- 55% PRODUCTION DIRECTED TOWARDS EXPORT MARKET
- 20.5% OF THE TOTAL REGIONAL EXPORT VALUE

VEHICLES, MOTORCYCLES
& COMPONENTS

AGRICULTURAL,
OLEODYNAMIC MACHINES,
PUMPS, ROBOTICS

TOP BRANDS

Ducati, Ferrari, Lamborghini and Maserati

TECHNOLOGICAL DISTRICT FOR ADVANCED MECHANICS

www.hi-mech.it

RESEARCH AREAS

- Innovative methods for mechanical engineering;
- Study and planning of intelligent mechanical systems;
- Materials, surfaces and nanofabrication for advanced mechanics

NETWORK

- 11** networked industrial research laboratories
- 5** innovation centres
- >140** newly-employed researchers
- > 130** regional companies.

R&D NETWORK

KNOWLEDGE
RESEARCH
INNOVATION

key factors for the economic and
productive development of Emilia-Romagna

- 6 universities
- 6.700 professors and researchers
- Presence of national research institutions (CNR, ENEA, INFN, INAF, INFN)
- Other organisations at high technological level (CINECA, CNIT, IOR)
- Good level of R&D expenditure
 - Ø 1,28% of the regional GDP against 1,16% of the national average
- Good engagements in R&D
 - Ø 3,7 inhabitants over 1.000 against a national average of 2,7
- 249 laboratories for technological transfer
 - Ø first in Italy for number of laboratories recognized by the Italian Ministry of University and Research

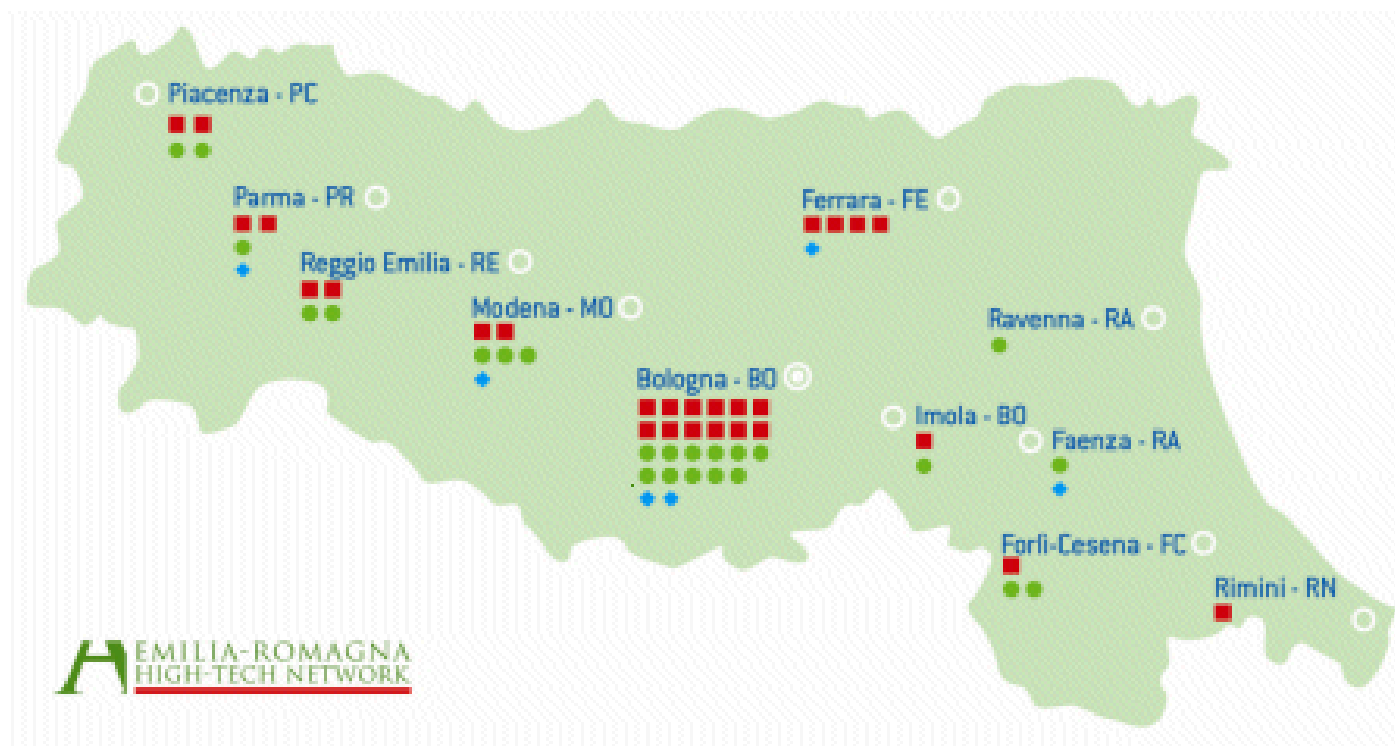
- § 529 enterprise research projects
- § 26 new enterprises - high tech
- § 12 enterprises' industrial laboratories
- § 27 research and technological transfer laboratories promoted by universities
- § 24 innovation centres
- § 6 innovation parks
- § 1 capital venture fund

- § 930 new R&D researchers in enterprises
- § 313 new researchers dedicated to applied research in 27 laboratories (that will reach to 500 university researchers that work partially for laboratories)
- § 750 research contracts between enterprises and research centres
- § 361 new industrial patents from the 529 enterprises' projects

The fields of applied research and technological transfer

- HIGH TECHNOLOGY MECHANICS
- AGRO-FOOD
- ENERGY, ENVIRONMENT, SUSTAINABLE DEVELOPMENT
- LIFE SCIENCE
- INFORMATION TECHNOLOGY
- BUILDING-CONSTRUCTION TECHNOLOGY
- ORGANISATIONAL INNOVATION

R&D NETWORK



- Industrial Research Laboratories
- Innovation Centres
- Innovation Parks

CONTACT

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