



EMILIA-ROMAGNA

THE REGIONAL PROGRAMME FOR INDUSTRIAL RESEARCH, INNOVATION AND TECHNOLOGICAL TRANSFER

Elisabetta Maini

Krakow, 21st April 2005

THE SCENARIO

- Increasing tendency of companies towards investment in R&D and innovation
- High degree of participation to research and innovation support schemes by Emilia-Romagna actors
- Rapid developement of new companies and professions in the fields of new technologies
- Increasing use of intellectual property rights protection
- Well established presence of a strong scientific community in the region
- Network of actors belonging to the regional system of innovation

THE REGIONAL LAW 7/2002

- **An example of governance for implementation of a Knowledge based economy:**
 - Promotion of investments on R&D and innovation
 - Improvement of investment on skilled human resources
 - Support for more effective science-industry relationship

NOT ONLY ACTIONS TO PROMOTE ISOLATED EXCELLENCE BUT
A FRAMEWORK OF ACTIONS ABLE TO CREATE AN
ENVIRONMENT FOR THE GENERALISED ENLARGEMENT OF
COMPETITIVENESS OF THE REGION

THE PROGRAMME FOR RESEARCH, INNOVATION AND TT

SPECIFIC OBJECTIVES

- To stimulate the business R&D investment and stronger relations between industry and the research system
- To favour the development of new industrial laboratories
- To promote new businesses and professional activities with high technology content, for the economic exploitation of research results
- To promote programmes supporting transfer of technological knowledge and competencies towards companies
- To develop a network of research and TT laboratories and centres for innovation
- To improve services supporting the development of the regional network of research and innovation actors

THE OVERALL INVESTMENTS

130 M€

▪ Industrial Research	
▪ Industrial Laboratories for SMEs	65,3 M€
▪ Spin offs	3 M€
▪ Research Laboratories and Innovation Centres	2 M€
▪ ICT Research Laboratories	28,7 M€
▪ Innovative Actions Programme “Health and Life Sciences”	8 M€
▪ Innovation Parks	10 M€
▪ Venture capital Fund for innovative start ups	7,6 M€
	10 M€

THE PROGRAMME OUTLINE

**Actions for the development of the
Regional Productive System toward
industrial and Strategic Research**

- A. Industrial research and pre-competitive development projects**
- B. Industrial laboratories development**

**Creation of New Entrepreneurial and
Professional Activities with a Highly
Technological Content**

- A. Programmes for the creation of new professional and entrepreneurial activities**
- B. Financial support to start up of entrepreneurial initiatives**

Research Networking and TT

- A. Research and Technology Transfer Laboratories**
- B. Innovation Centres**
- C. Services for the Development of a Research Network**
- D. Monitoring and Evaluation**

FIRM'S INDUSTRIAL RESEARCH

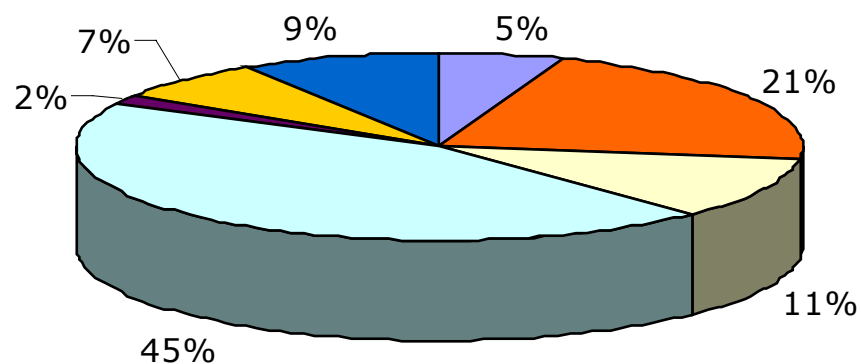
- **360** proposals presented in the first call
- **182** projects selected for funding (50,6%)
- **77 M€** the total investment
- **30,3 M€** the regionals funds (39,4%)
- **869** the proposals submitted in the second call, almost 600 are being evaluated

INDUSTRIAL RESEARCH

153 proposals (84%) require the employment of new research staff for a total of 300 new employees;

- **+4%** the estimated increase in R&D staff;
- **159 projects (87%)** are expected to result in the establishment of long-term research projects in association universities and research centres for a total of 234 contracts;
- **115 projects (63%)** are expected to involve agreements with laboratories certified by MIUR;
- **120 projects (66%)** are expected to result in the deposition of patents.
- **11%** the estimated increase in R&D expenditure by the Regional Authority.
- **234** contracts with Universities and Research Centres

THEMES OF INDUSTRIAL RESEARCH



- BIOTECHNOLOGY - LIFE SCIENCE
- ICT
- MATERIALS
- ADVANCED MECHANICS
- ORGANIZATION
- FOOD
- SUSTAINABLE DEVELOPMENT

INDUSTRIAL LABORATORIES

- **22** projects submitted
- **12** laboratories funded, of which 8 are new
- **35** small and medium enterprises involved
- **6.6 M€** total value of projects
- **3 M€** contribution made by the Regional Authority
(39.4% the average percentage of co-financing)

SPIN-OFF

- **39** projects submitted
- **26** approved
- **1.77 M€** investments made available for funding
- **1 M€** the contribution made by the Regional Authority
- **4** enterprises funded based on patents deposited following research activities
- **4** enterprises funded based on the use of unpatented research results
- **23** enterprises funded based on competences and knowledge acquired during research activities carried out in Universities or research institutes.
- In **3** funded businesses institutional investors or universities have an interest in company capital
- **10** funded businesses have documented agreements with institutional investors or universities that will have future interests in company capital

THE LABORATORIES FOR INDUSTRIAL RESEARCH AND TECHNOLOGY TRANSFER

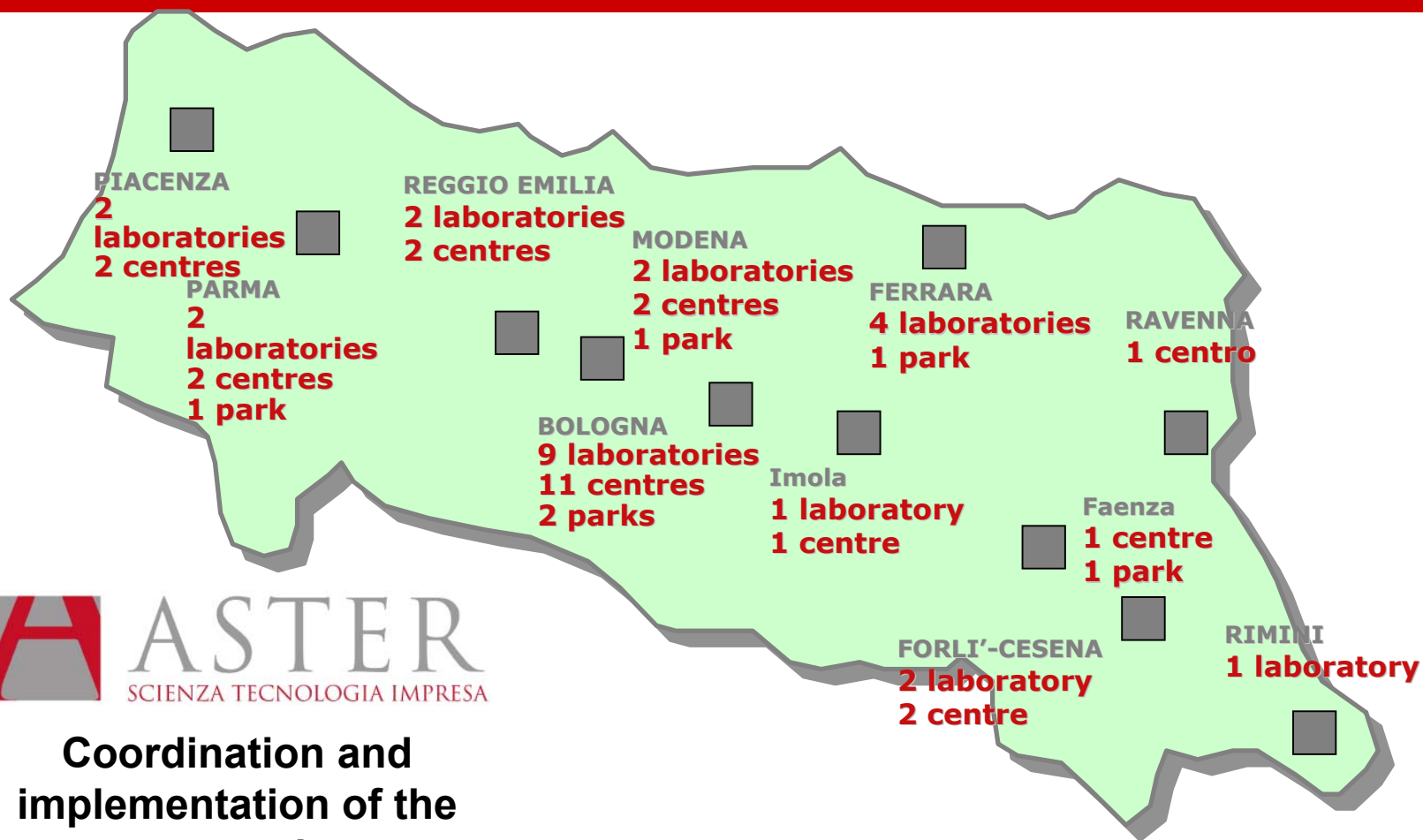
a new model: the NET-LABS

- Newly founded units integrating different universities and research bodies, participated or supported by enterprises and other public organisations
- Higher added value compared to the mere sum of efforts of each individual net-lab member
- Aimed at developing research-based activities dealing with the industrial field, and socio-economic themes and based on a specific activity plan
- Aimed at increasing the knowledge-sharing for industrial and productive activities and for the economy development
- Working with researchers, whose expertise is based on these new research-based activities and on technology transfer. They are working with experts from enterprises.

THE INNOVATION CENTRES

- Promoted and established by Universities, Research bodies, Local bodies, or bodies experienced in the field of services to enterprises
- Aimed at developing activities of technology transfer, such as updating initiatives and professional training for enterprises
- Aimed at improving the knowledge sharing and the transfer of technology competences towards the production system and the territory

THE REGIONAL NETWORK



**Coordination and
implementation of the
network**



FIRST RESULTS - OVERVIEW

182 industrial research projects funded in the first call

Almost **600** are being evaluated in the second call

12 industrial laboratories for SMEs funded

26 new enterprises based on research activities (spin-offs)

25 Research and technology transfer laboratories

24 Innovation Centres

6 Tecno Parks

Almost **1500** new researchers involved

INFO:

gmoretti@regione.emilia-romagna.it

www.ermesimprese.it