

# The Emilia Romagna Programme for Innovative Actions

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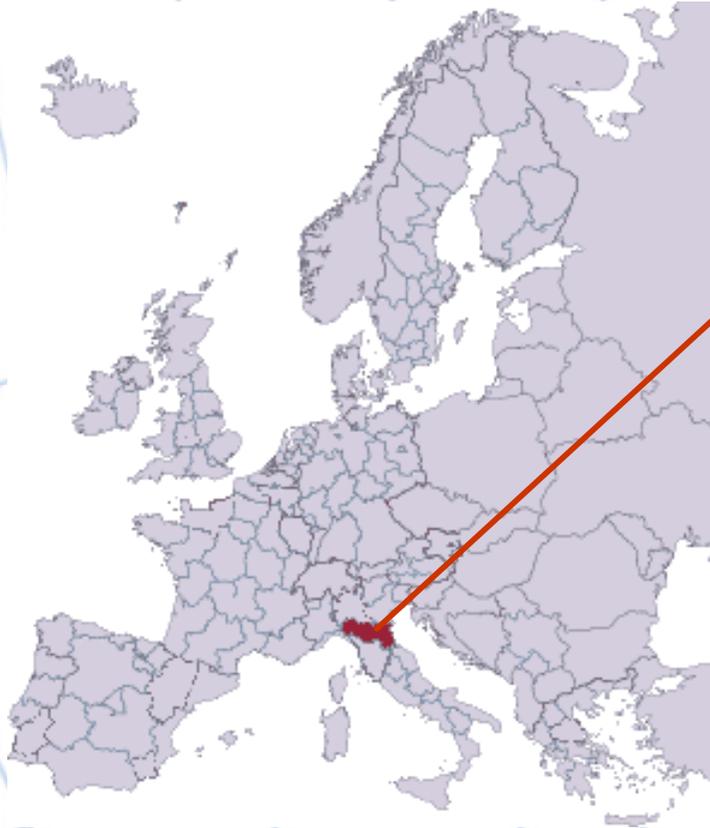


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# The Emilia-Romagna region



**Emilia-Romagna region**

**Surface: 22.123 Km<sup>2</sup>**

**50% plain, 25% hill, 25% mountain**

**Inhabitants: more than 4.000.000**

**Population density: 181/Km<sup>2</sup>**



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## The process (up to now):

- identification of priority themes
- definition of the objectives
- definition of the actions
- launch of tenders at regional level for the presentation of project proposals
- evaluation of the projects
- setting up of guidelines and forms of reference for pilot project management
- quantitative and qualitative analysis of pilot projects:  
the action1.1 - support to the development of applied research and technology transfer



Regione Emilia Romagna

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## Identification of priority themes

- **Instrument:** The building up of Industry-Research Networks: the thematic working groups
  - Creation of **Thematic Working Groups** aimed at stimulating the collaboration between the research world and industry, in order to identify strategic orientations for the Emilia-Romagna region in the field of industrial research, technology transfer and innovation
  - TWGs launched in July 2001, through ASTER – The Emilia Romagna Technological Development Agency



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# Identification of priority themes

- **The TWGs objectives:**
  - to develop clusters of projects on pre-competitive development, industrial research, technology transfer and innovation
  - to develop and test the feasibility of thematic interface structures focusing on industrial research, on the transfer and diffusion of technological know-how and on advanced training for technology transfer
  - to provide the Emilia-Romagna region with strategic orientations about the needs emerging by the actors working in the territory and operating both in the field of research and in industry, with the aim to **support the regional policy** in identifying the most appropriate tools for meeting such needs
  - to **create a project critical mass** in order to enable universities, research centres and companies to develop projects within available regional, national and European supporting schemes



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# Identification of priority themes

- The thematic areas:
  - Environment
  - **Information Technologies**/e-commerce/Logistics/
  - Industrial Automation
  - Motors/Vehicles
  - **Biomedical/ Electromedical**
  - **Life Science**
  - Food/Health
  - Micro-systems and Nano-technologies



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# Identification of priority themes

- The TWGs participants:
  - Universities
  - Research Centres
  - Enterprises
  - Aster Technical Scientific Board and technicians
- The output of interest for the Innovative Actions:

- Regional industrial needs
- Opportunities offered by regional research



Strategy for regional supporting actions



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# The objectives

- **Focus:**
  - Health, life science and regional technological innovation
- **Objectives:**
  - To promote innovative dynamics in the health and life science regional system
  - To increase competitiveness of companies through the fostering of collaboration between research and industry
  - To develop innovative services for the regional health-care system exploiting the potential offered by Information and Communication Technologies

# The Actions

- 4 Actions aimed at supporting the regional innovation:
  - regional map of the health and life science system
  - **support to the development of applied research and technology transfer**
  - pilot projects for new form of innovation promotion
  - information Society and innovative services
- 2 Accompanying Actions:
  - interchange with other regions
  - technical assistance to the programme



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# Support to the development of applied research and technology transfer

- **Description:**
  - applied Research and Technology Transfer projects: survey activities for the acquisition of new knowledge to be exploited in new products and services
  - pre-competitive Development and Innovation projects: design and industrialisation of new products and services
- **Implementation:**
  - through a call for proposals addressed to **consortia** composed of SMEs, Research Centre/s, health facility/ies and devoted to co-finance SMEs. **At least a Research Centre or a health facility has to be involved**
  - public support up to 40% of the eligible costs
  - public support up to 500.000 € (up to 100.000 € per SME)



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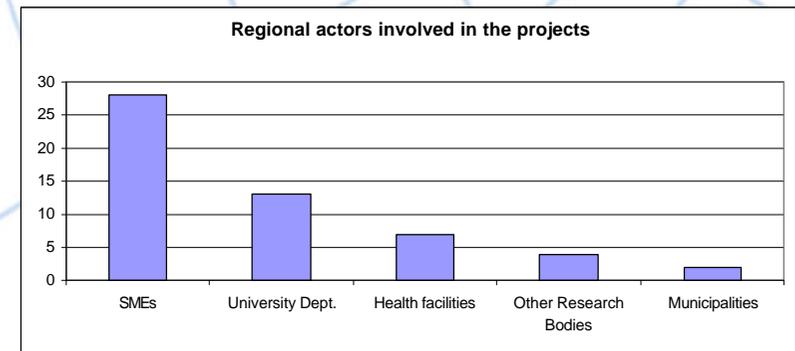
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# Support to the development of applied research and technology transfer

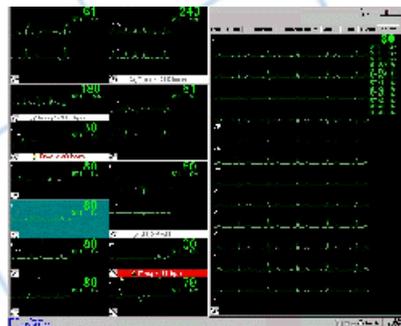
- **Results:**

- 13 project proposals received
- 12 projects approved
- 28 regional SMEs involved
- 26 among universities, research centres, health care centres, involved (25 regional)
- Total costs: 5Meuro
  - 1Meuro from ERDF
  - 1Meuro from regional and national government
  - **3Meuro from enterprises**



# Support to the development of applied research and technology transfer: a project example

- The context:
  - the cardiac monitoring systems available in Emilia Romagna hospitals are composed of monitors connected to the persons and connected to a central unit through cable
  - the central unit allows to visualise physiological signals, life parameters and to generate audio and visual alerts



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# Support to the development of applied research and technology transfer: a project example

- The project objectives:
  - the remote access to the central unit (real time monitoring) through workstations located in different points in the hospital
  - the remote access to historical monitored data (medical consult)
  - remote receiving of alert signal
- The project partnership:
  - SME: producer of cardiac monitoring systems
  - SME: developer of wireless systems
  - 2 hospitals (test bed)
  - University of Bologna