

torinowireless

ICT and Innovation in Piemonte

“CRESCERE CON LA RICERCA E L’INNOVAZIONE”

The High-Tech District experience

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March 25, 2009

Wide margins for improving the innovation capability – weaknesses in:

- deploying the constitutive potential of the ICT in high knowledge-based sectors
- regulatory schemes
- R&D and knowledge transfer effectiveness (from research to innovation)
- flexibility of productivity factors
- adoption of new value chains around emerging economical and social models
- adoption of open innovation paradigms within the network economy
- all-life long education
- entrepreneurship and pace of organisational innovation

European challenges, political choices

- competitiveness limits
- social challenges (ageing society, health and assistance, the transport bottleneck, global warming and energy)
- polarisation towards a sustainable economy (20%, 20%, 20%) and related ethical implications

... and emerging opportunities relying on growing importance of:

- system-based economies
- network-enabled business and service models, based on the power of connectivity and co-operation
- virtualisation of production and service processes

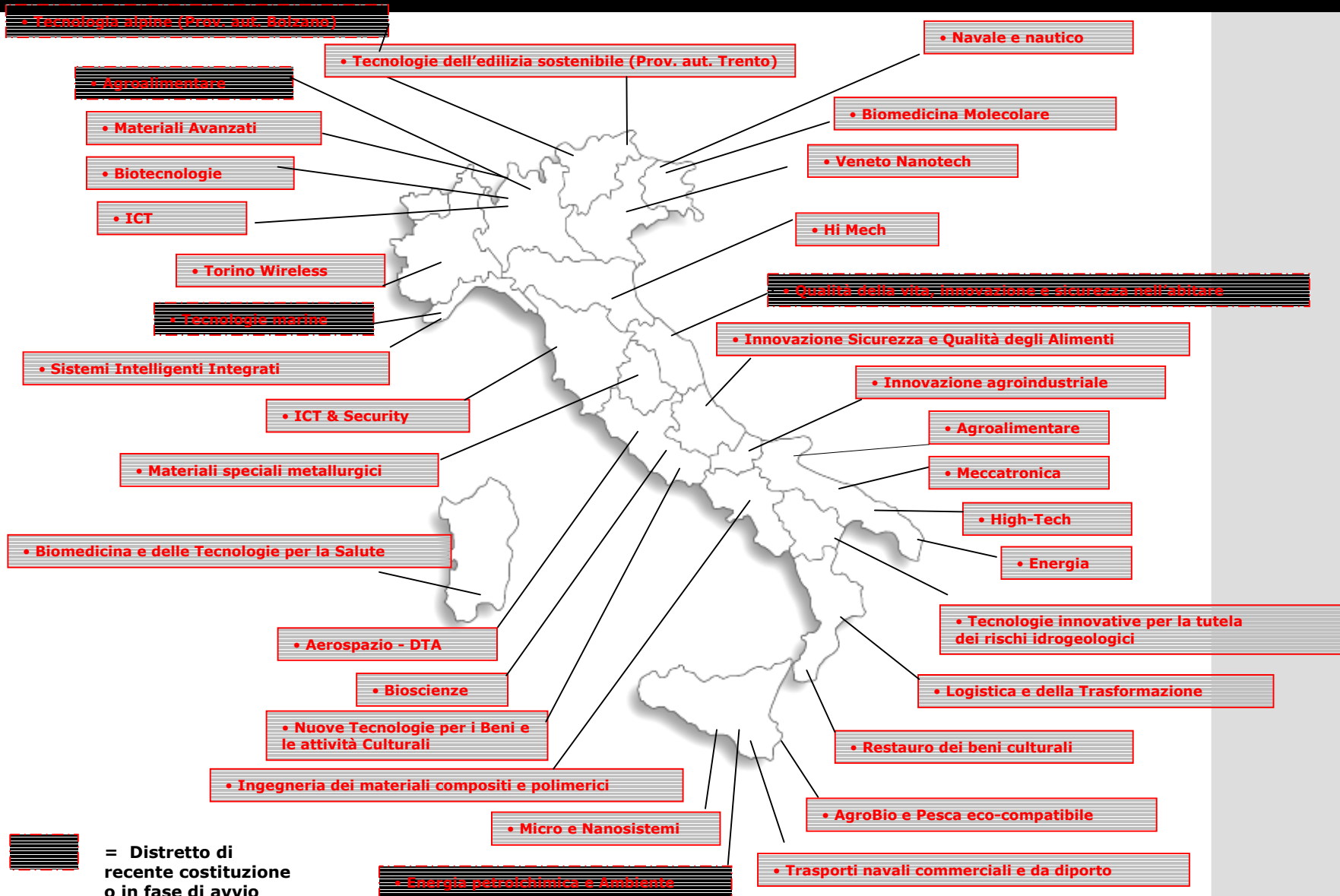
Players involved in a technology District

- Government
 - **Ministry**
- Local governmental bodies
 - **Region**
 - **Province**
 - **Cities**
- Entrepreneurial Associations
 - **Chambers of commerce**
 - **Entrepreneurial Associations**
- Enterprises
 - **International players**
 - **SMEs**
- Banks and Foundations
- Universities and Research Centers

**STRONG
COMMITTMENT**

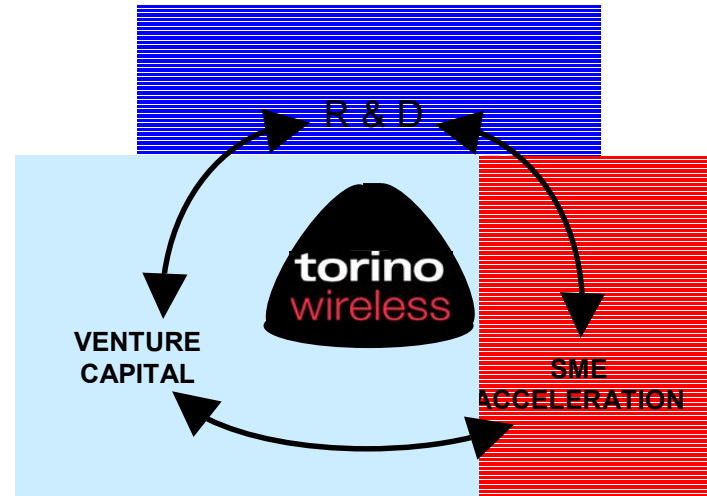
- The Italian experience of High-Tech Districts begins in 2002 with the Guidelines for scientific politics of the Italian Government and, subsequently, with the National Research Programme (PNR) 2005-2007
- According to PNR 2005-2007, High-Tech Districts are **“local aggregations of high technology activities in which Public Research Bodies, Large, Medium and Small Companies, Start-Ups, Public Local Bodies give their contribution”**. The aim is favoring a larger competitiveness of the existing local entrepreneurial fabric, improving it through research and development of innovative technologies
- The chosen innovation model is therefore a **“triple helix”** where there is a **continuous and complementary interaction between enterprises, universities and the government bodies**

Italian High-Tech Districts: 29 + 5 under construction



 = Distretto di recente costituzione o in fase di avvio

“Torino Wireless” High-Tech District



Focus on three strategic leverages:

Innovation

- 1) **Technology high potential domains to aggregate companies and attract funds and address public resources**
- 2) **Innovation adoption**
- 3) **Innovative processes in other sectors too**

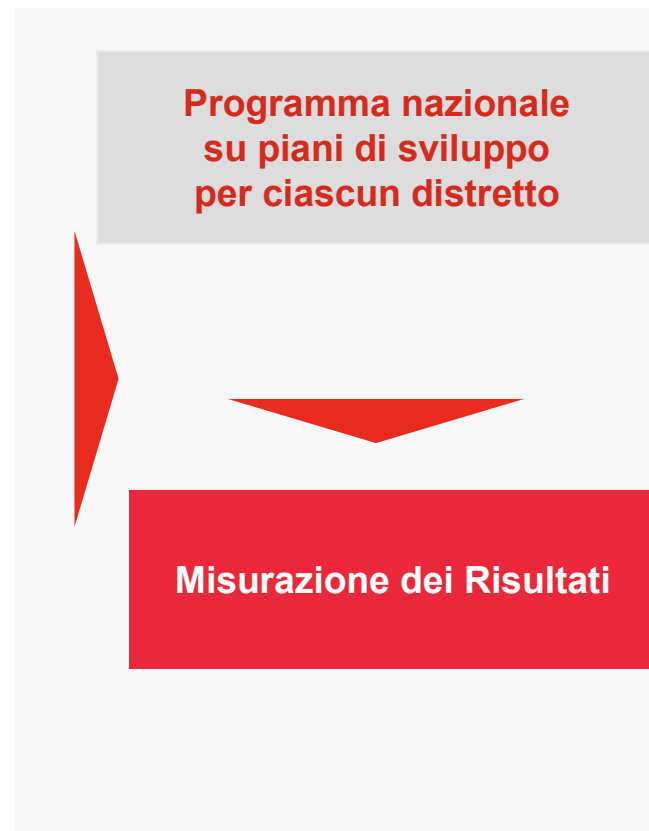
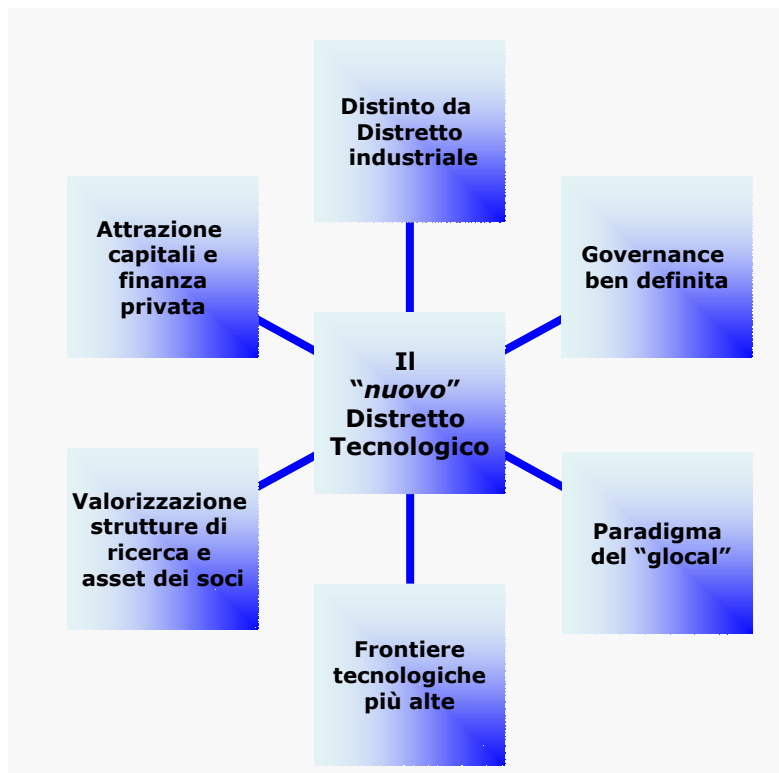
Competences

- 1) **Pull companies for evaluating their own competencies and defining growth plans**
- 2) **Coaching on project skills, technology vision, business and selling strategy**
- 3) **Co-operation & co-opetition**

Investments

- 1) **Convey resources for innovation in the region form MIUR and other**
- 2) **Enhance effectiveness in submitting calls**
- 3) **Increase the available venture capital for high-potential and strongly innovative start-ups**

Il potenziamento dei Distretti Tecnologici: i punti chiave per il Ministero della Ricerca



Fonte Invitalia

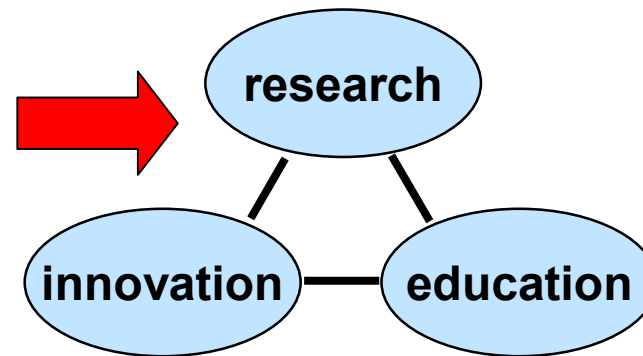
EIT: a European tool to improve research, innovation and education levels

Mission of the EIT - European Institute of Innovation and Technology

- to be the catalyst for a step change in the European Community's innovation capacity and impact
- through the delivery of major new actions.
- the first of these is the creation of the Knowledge and Innovation Communities, **KICs**



- build innovative 'webs of excellence'
- create new sustainable business
- educate and develop entrepreneurial people
- have societal impact



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