

“Regional policies in support of innovation and technology transfer”

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Innovation

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- Innovation systems operate through a complex series of processes that span multiple levels
- Regional policies for technology transfer are industrial policies (in the phase of the transfer of technological knowledge to the firm)
- Are policies supporting research when dealing with the enhancement of research results, the so-called "Third mission of the university"

Specific objectives of technology transfer in regional planning

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- construct a unitary system of innovation policies in favor of enterprise systems;
- develop, sustain and consolidate, structurally and operationally, stakeholders (Service Centres, Research Centres, Industrial liaison office, Innovation Clusters, Technology Districts, business incubators, etc.). Both in mature sectors both in high-tech sectors;
- promote actions of the system in order to improve collaboration, networking and learning for the growth of production / employment.

Technology Transfer

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- Public policies operate to support the process of technology transfer is direct acquisition (direct aid to companies) is to support the process of mediatore, which means support through infrastructure that facilitate dissemination and technology diffusion
- In Italy - Policies of cluster

Innovation clusters in Tuscany

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- The experience of Innovation Poles will start in 2009 with the launch of the feasibility studies that have identified 12 areas of sectoral / technological reference giving rise to the establishment of 12 Innovation Hubs, each of which has an individual manager

Innovation Clusters in Tuscany Region

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Subject leader	Acronym project	office of the Leader
Next Technology Tecnotessile Società Nazionale di Ricerca r.l.	OTIR 2020	Prato
Polo Navacchio Spa	POLITER	Cascina (PI)
Fondazione per la Ricerca e l'Innovazione	POLIS	Firenze
Agenzia per lo Sviluppo Empolese Valdelsa spa	NANOXM	Empoli (FI)
Centro Sperimentale del Mobile e dell'Arredamento srl s.c.a r.l.	Polo di competenza per il sistema interni CENTO	Poggibonsi (SI)
CNR Istituto di Fisica Applicata "Nello Carrara"	Polo Optoscana - Optoelettronica e Spazio	Sesto Fiorentino (FI)
Cosvig srl	PIERRE - Polo Innovazione Energie Rinnovabili e Risparmio Energetico	Radicondoli (Si)
Compolab srl	Polo 12	Livorno
Lucense SCpA	INNOPAPER	Lucca
Fondazione Toscana Life Sciences	Polo di Innovazione Scienze della Vita	Siena
NA.VI.GO. scarl	Polo per l'eccellenza nautica toscana (P.E.N.TA.)	Viareggio (LU)
Garfagnana Ambiente e Sviluppo scrll	Polo pietre Toscane	Castelnuovo Garfagnana (Lu)

Incubators in Tuscany

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- The experience of incubators in Tuscany began in 2010 with a contract under which they were accredited and funded n. 10 incubators
- Subsequently, in 2011 the ban has been reopened and the other three were funded incubators

Incubators in Tuscany

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Types of Incubators size bracket and investment

□ Incubator medium / small

Up to 1,000 square meters of surface and / or up to 10 business incubated for year

Maximum contribution of Euro 296,000.00

□ incubator great

Over 1,000 square meters of area and / or more than 10 companies incubated by year

Maximum contribution of Euro 590.000,00

INCUBATORI BUSINESS? Who are the incubators?

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Subject leader	Acronym project office of the Leader	office of the Leader
UNIVERSITA' DEGLI STUDI DI FIRENZE	Attività di preincubazione dell'Incubatore Universitario Fiorentino	Firenze (FI)
PIANVALLICO SPA	Innovare in Mugello	San Piero a Sieve (FI)
POLO NAVACCHIO SPA	Prenatal	Cascina (PI)
CONSORZIO POLO TECNOLOGICO MAGONA	Pro.fe.te - Programma di Fertilizzazione Tecnologica	Cecina (LI)
LUCCA INNOVAZIONE E TECNOLOGIA S.R.L.	Bcs - Technic Bio Custom Shoes Technology Incubator	Capannori (LU)
LUCCA INNOVAZIONE E TECNOLOGIA S.R.L.	Incubatore Polo Tecnologico Lucchese	Lucca (LU)
ASSOCIAZIONE PER LA SCUOLA SUPERIORE DI TECNOLOGIE INDUSTRIALI	Initecfi	Firenze (FI)
E. DI C. SPA	Sviluppo imprenditoriale e Cultura della reciprocità: spazio di incubazione all'interno del Polo Lionello	Incisa Val d'Arno (FI)
PONTEREDA E TECNOLOGIA SCRL	Cerfitt Pontedera	Pontedera (PI)
FONDAZIONE TOSCANA LIFE SCIENCES	TIs per le imprese	Siena (SI)
COMUNE DI CAVRIGLIA	Incubatore d'impresa area industriale di Bomba	Cavriglia (AR)
GARFAGNANA AMBIENTE E SVILUPPO	Incubatore Garfagnana Innovazione	Castelnuovo Garfagnana (LU)
CENTRO SPERIMENTALE DEL MOBILE E DELL'ARREDAMENTO SRL	Polo di competenza per il sistema interni_CENTO_	Poggibonsi (SI)

Innovation clusters, technological districts and clusters

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- Part of the Innovation Poles (ICT and Opto-electronics, life sciences, energy and the green economy; technologies sustainable city) subsequently acquired the name of District Technology
- specific governance through the creation of a steering committee composed of representatives of the University and the National Research Council and representatives of the business community and chaired by a business owner or manager of enterprise.
- These organizations have participated in the national competition MIUR 2012 on Cluster Technology

2014-2020 programming

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- Reorganization and redefinition of actors and processes of the regional innovation system for the phase of the transfer
- Technological fields in some cases still to be improved and to be consolidated within the platform of the Polo / Technology District, but even more so against the corporate system

technological districts

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- Convergence towards the figure of the district technology
- District: Platforms of voluntary cooperation among the actors of technology transfer, with a function of the diffusion and dissemination of technologies
Geography sectoral and / or technological Poli / Districts
- Governance (Steering Committee and Chairman of the Committee)

Incubators and start-up house

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- Incubators will be funded on the basis of specific performance (only pre-incubation)
- Incentives / direct support in favor of firms located in incubators for access to incubation and post-incubation (forms of voucher)
- Pilot project (start-up house) to encourage the establishment of incubators in the spaces provided
Start-up house: physical spaces made available to the subjects of technology transfer

Infrastructure for technology transfer

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- Monitoring of construction and operational start-up of the infrastructure for which funding has already been identified with acts of programming;
- Realization of the census of industrial research laboratories and applied and Technology Demonstrator (regional network infrastructure technology transfer);
- Finance the construction and / or completion of existing laboratories (laboratories, technology transfer and testing laboratories and analysis)

- Thank you for your attention
- Elisabetta Malenotti
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