



*ANALYSIS OF REGIONAL
TECHNOLOGICAL
PERSPECTIVE FOR THE
EMPLOYMENT.
THE APULIAN CASE*

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ARTI – Regional Technology and Innovation Agency – Apulia Region

- ARTI is the Regional Technology and Innovation Agency for the Apulia Region
 - Established in 2004, fully operational from fall 2005
 - Three main activity areas:
 - Recognition of Regional Innovation System (triple helix approach);
 - Technological Transfer;
 - Spreading innovation culture
- + European projects

more info at: www.arti.puglia.it

INNOVATION FOR EMPLOYABILITY PROJECT




Purpose:

to contribute in proposing and developing initiatives aimed at strengthening the **Apulian Extraordinary Labour Plan**, improving the effectiveness of regional labour policies. In particular, identifying **how innovation can enhance employment opportunities**

Activities:

1. Mapping of the needs of new skills by regional businesses
2. Design of regional policy instruments to strengthen skills and job placement
3. Design and delivery of services to support self-employment and youth entrepreneurship
- 4. Analysis of regional technological perspective for the employment**
5. Communication, dissemination and implementation of technology platform transversal activities

- Context Analysis (pre-foresight phase)
 - Technological trends in the regional industries (emerging technologies identification)
 - Plans for job placement
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MAIN FEATURES (1/2)



- **domain coverage**

9 strategical sectors as identified by Regional Innovation Strategy (biotechnologies; agro-food; energy & environment; aerospace; mechatronics; nanotechnologies; ICT; logistics; cultural industry)

- **territorial scale**

sub-national (regional)

- **time horizon**

short-medium term (3-7 yrs.)

- **sponsorship**

Regional Government (in particular, the Regional Ministries for Economic Development and of Education)

MAIN FEATURES (2/2)



Regione Puglia

- **budget**
550 thousand euros
- **duration**
2 yrs.

1. Context Analysis
2. Definition of guidelines and methods
3. Sectorial Regional Technological Trends
4. Plans for job placement
5. Common vision sharing and policies' suggestions

“...any process outline must be seen as provisional.”

(Eriksson & Weber, 2008)

- **aim**

to identify what are, for each of the **9 regional strategic sectors**, the most promising **emerging technologies**

the technologies to be identified will be those that, on the basis of initial conditions and future opportunities, in Puglia has good growth opportunities and **maximize the impact on the regional productive structure**, in particular the **implications for employment**, other things considered equally favourable

Once identified, on these technologies the efforts of public policies (but of private choices as well) regarding the **formation of specialized skills** should be concentrated and converged

In this way, we should observe an improvement in **strategic planning** of the region in terms of **job placement** and **development of human capital**

- Composition of the Expert Panels for each of the 9 sectors (from academic, scientific and industrial research sectors)
 - Organization of the Working Tables
 - Critical analysis of the results obtained
- ➔ Report of the technological trends in regional industries

(SOME) OPEN ISSUES



- **participation scale**

how many experts for each panel? 10-15?

- **panelists' recruitment system**

self-application? bibliometric/patent indexes? (try to max attention/involvement) participation fee?

- **frequency**

every 2-3 months (3-4 meetings for each Panel).
Static/iterative process?

- **method mix**

SWOT analysis, and... brainstorming? key technologies
(priorities setting)?

FINAL REMARKS



- for Puglia Region, it is the **first “technology foresight” exercise** → a sort of test-bed. Limits' awareness
- a **specifically-oriented foresight exercise**: identification of technology trends in order **to improve the job placement policies** and plans especially for young people

Thanks for your attention

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