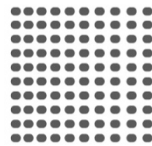# Science park experience in technology transfer and innovation support:
our good (and bad) practices in socialisation of research

Parco Scientifico
UNIVERSITÀ DEGLI STUDI DI ROMA "TOR VERGATA"

Scientific research as social process

- "To do science" is a social process resulting by
  - cultural factors,
  - linguistic processes,
  - common metaphors to describe natural phenomena
  - and models of organisation of knowing

- Obstacles to innovation are frequently not technological resistances

Promote and managing TT processes

social and cultural nature of science and technology become more evident when we approach technology transfer activity and we carry out innovation support.

…when we build relationships with society…

Science Park, supporting research, promote:

- Transferring results to companies
- Transnational partnerships for common aims
- Dissemination of results, approaches and practices

….but too often researchers and firms consider projects only as opportunity for financial support…

We *use* financing resources to stimulate cooperation among researchers, SMEs and local institutions
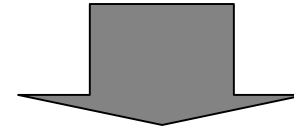
Using EU funds we can promote an integrate approach to innovation

- **Research Framework Programme**
- **FSE and FESR**
- **Initiative Equal**
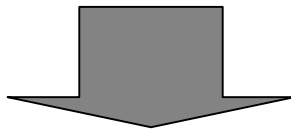- **Intelligent Energy Europe**
- **URBAN program**

...

Integrating funds

-we integrate sectorial aims, territorial needs, research activities

-we can achieve sustainable and durable initiatives

-we reduce "noise effect" produced by confused proliferation of tools and opportunities

Using EU funds we can promote **participation of our researchers to <u>local</u> and <u>international</u> network and their attitude to cooperate.**

Innovation:

- A not only technological process
- A not spontaneous process
- A social and complex process
- A not linear and deterministic process….

It need of integration, mediation, dedicated policies, training for new competencies, local development planning…

Science park promote this process…

…connecting research activities and local productive and institutional actors

A science park integrate various functions

- Patent offices
- Industrial liaison offices
- Incubators for innovative spin off

not only a logistic place, but

common spaces to promote a dialogue among researchers, firms and citizens

tools for researchers to achieve their goals boosts local economy promoting spin-off, innovative enterprises, new job opportunities, new solutions for local needs

Not only consultant

Not only a "science results shop"

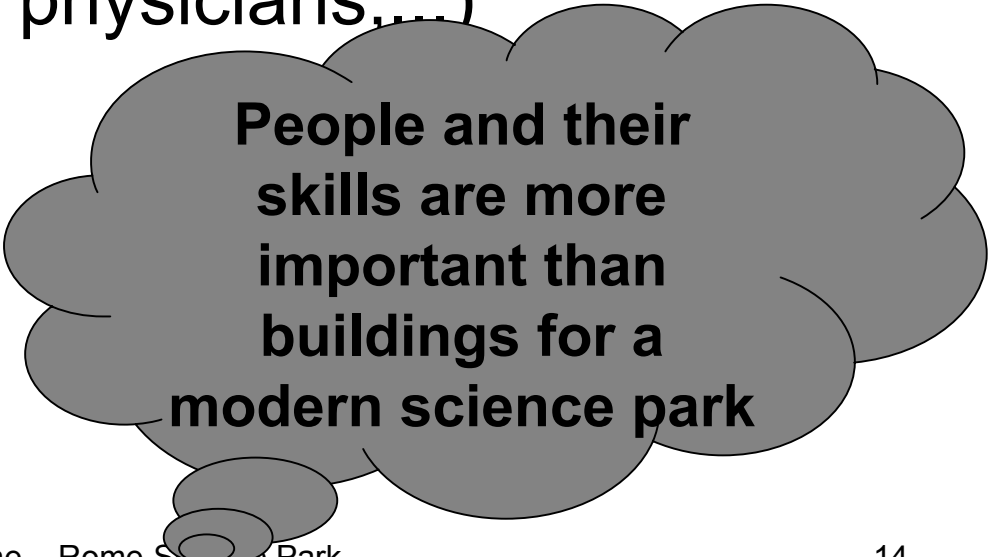# Not only a shop-windows for universities and research centers

Managing and promoting innovation…

… we have to integrate different competencies.

All actors involved in technology management and innovation support have to be conscious that their view is not self-sufficient.

- Scientist (biologist, physicians,…)
- Engineers
- IPR experts
- Economists
- Policy makers

People and their skills are more important than buildings for a modern science park

Social aspects of scientific and technological research are essential to promote innovation and

- To mediate among different languages
- To analyze and "extract" needs of local actors not self-emerging
- To integrate (and to pay attention to) productive actors, local institutions, universities, citizens…

Technology is not sufficient for innovation

Frequently technological development advances without social responsibility and social participation.

Consequently technology is percept by citizens as menace for job, of environment, and wellness

Scientific and technological result: a not abstract concept

We have to evaluate results relate to users needs, local environment, using conditions, users

Do not exist just one solution but the more adapt solution for a specific situation

To find the better solution we need of:

- knowing of scientific aspects
- Flexibility to propose different technical solutions
- Knowing of social aspects of problem
- To evaluate economic exploitation not a short term but considering related results.

Our mission…

- To support research development
- To stimulate matching between complex issues and interdisciplinary efforts by researchers
- to provide new tools for understanding technological process
- To increase citizens consciousness about their consequences
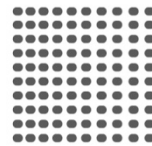- To improve socialization of their results

Thanks for the attention

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