

A European Regional Path to the Knowledge Economy:

Creative societies in smart territories

Intellectual Capital for Communities in the Knowledge Economy - Session 3: Intellectual capital for Regions



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1. Yet entered into a Knowledge Era

2. When Local Actors

should be Creative...

Smart
Territories
for Creative
Societies

3. Knowledge Areas (
& Smart Regions!



Yet entered into a new Knowledge Era...

- Today's advanced economies are knowledge-based...
 This stresses the relevance of R&D, for their development:
- ☐ Fast growing accumulation of S&T and knowledge affecting all sectors of the economy, with ever S&T content embedded in products.
- ☐ As a consequence, need for more and better qualified human resources;
- pushing world economies to focus on more knowledge-intensive activities.



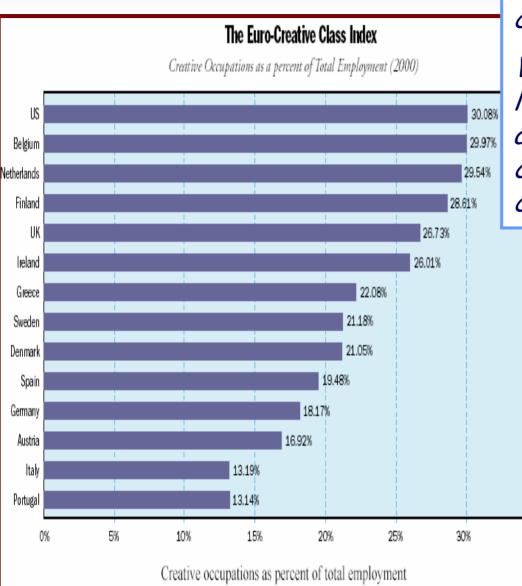
Preventing from looming creativity crisis?

Against "Eurosclerosis" (Jeremy Rifkin, The European Dream) is it better:

- either building walls and to prevent capitals and jobs from flowing out?
 - or considering constructing creative epicentres for new jobs, magnets for global talents and attracting various investments?
- Economies are fluid
 - people move,leads are easily gained or lost -
- and Creativity is an asset that has to be constantly cultivated and renewed...
- Wherever creativity goes, economic growth is sure to follow!

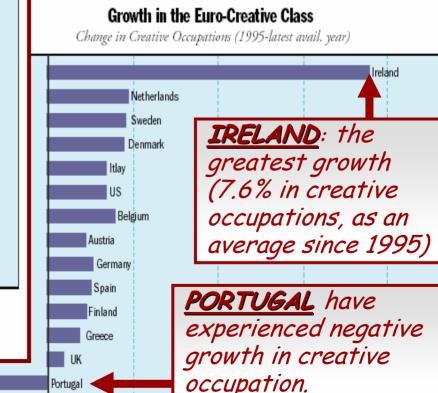
- There is growing belief that Knowledge can do more than increase economic growth...
- it can also lead to structural change
 - . in an economy and,
 - . therefore, the whole society...
- Today, economy, creativity and competitiveness go hand in hand.

The Creative Class



Between 1992 to 2000, in real terms, US GDP grew by 36%, compared to 19% for the UE.

While the US remains the world leader in tech & its ability to attract top talents, few European countries appear to have similar competitive assets.



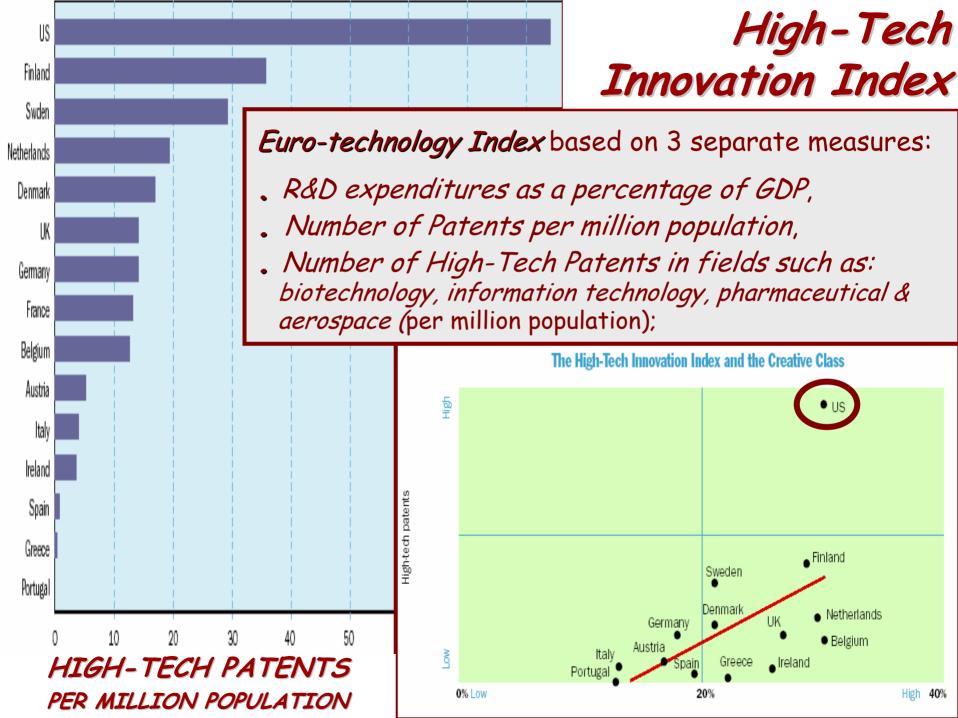
8%

Portugal

0%

2%

"EUROPE IN THE CREATIVE AGE" Richard Florida & Irene Tinagli - Feb. 2004





Richard Florida's studies, based on the principle of the 3 Ts' concept

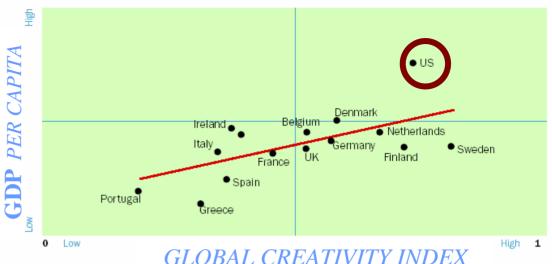
[Technology-Talent-Tolerance] indicate

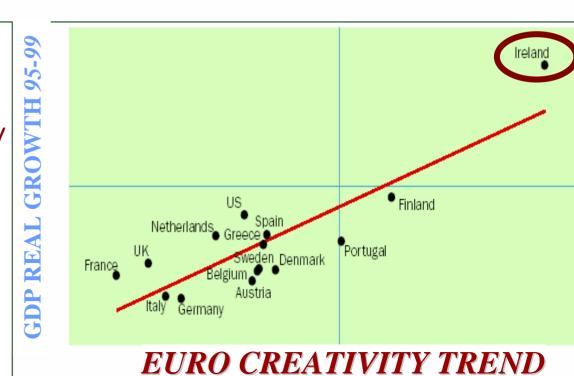
that the US's advantage could be shifting, in part due to

more liberalised immigration policies of EU countries,

which allow to effectively attract & retain global talent.

ECI & GDP per Capita







Targeted applications to be fuelled by behaviours & processes

- □ Scientific research, which produces new ideas and new tools that can become the foundation for tomorrow's products,
- Services and ways for doing business;
- □ A strong education system that equips our workforce with the skills necessary to transform those ideas into goods & services that provide regions with the researchers of the future;

and an environment that encourages entrepreneurship, risk-taking, and innovative thinking.



Open and learning Behaviours

- By comparing and learning how other people do things, you can bring back ideas and knowledge to your own organisation;
- Raised level of aspiration, whereby for making a group perform better than it would otherwise have done;

LEARNING ORGANISATIONS

> SMART REGIONS

- "Cooperformance" with an Organisation which can adapt to its actual learning mechanism, by:
 - . Cooperation &
 - . Formative governance
 - . for Performing...





Managing Knowledge territories

Eager-to-learn organisation that is receptive to new knowledge and other people's experience instead of adopting smug, we-know-best, N.I.H. attitudes;

Translating inspiration into proposals for new solutions not only at comparing with others and finding ideas for development, but also at translating and converting those ideas into new types of beha-viour in one's own organisation;

The other puts more emphasis on circulation of knowledge and how that should be organised;

SMART REGIONS KNOWLEDGE STRATEGIES

- There is a growing role for:
 - . Highly educated workers and
 - . Knowledge intensive firms...





Bursting its stubborn and locked banks

- Designing an attractive regional "Image" including a recognised and specific identity within an open society;
- Attracting talents and investments and developing the endogenous capacity of innovation;
 - Adopting a systemic approach for attracting and maintaining talents & knowledge investments;



 Regional policymakers should promote their territory as an inspiring and attractive common cultural space;



Vital actors and resilient territories

- Involved people are given a chance to understand the current situation, and to increase willingness & ability to accept measures which they would otherwise instinctively consider a threat;
- A societal dynamic in terms of willingness & readiness investments, help realise the potential competitiveness in re-shaping opportunities and edge.
- The group's analysis of the problem and its choice of relevant examples lay a firm foundation for:
 - . ABSORPTIVE CAPACITY
- Social competence is developed, both with relevant examples & within the group itself through:
 - . DOUBLE INTERACTION



LOCAL VITALITY
& INVOLVEMENT

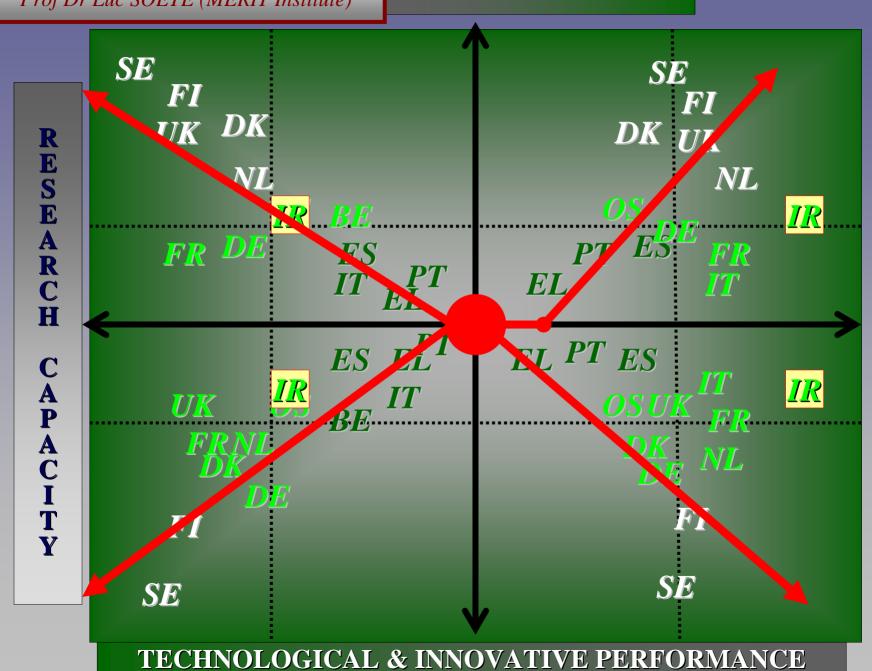


What is wrong with potential European K-performers?

- The Europe's largest weakness compared to the USA, lies at the door of their SMEs, while increasing the innovative strength of such a category is the key to qualitative growth and new jobs.
- If you compare large European and American companies, you will be struck by the fact that the amount of research they do... is more or less equivalent.
- However, in the case of SMEs, the ratio is 1 to 3, sometimes 1 to 8 (depending on the indicators), i.e. American SMEs (only 45% of GDP) have on average between 3 to 8 times more resources available to them for R&D than their European competitors (whereby SMEs account for 65% of GDP).

Europe needs a new initiative to turn its **SMEs** into High-Innovation Companies & Small Serial Creatives!

HUMAN CAPITAL



A B S O R T I V E APACITY Part 3

BUILDING BLOCKS

FOR SMART CONSTRUCTIONS

- It is necessary to go far beyond the mere "Showcase" of the region, and then address and adjust behaviours and expectations;
- As a result, such a keystone, leaning on four pillars, will be likely to be consolidated and confirmed in its constructed local advantage;

LEARNING ORGANISATIONS

KNOWŁEDGE STRATEGIES

ATTRACTIVENESS
AND RESILIENCE

LOCAL VITALITY & INVOLVEMENT

Generating THE CREATIVE TENSION

MARKETING
THE
TERRITORY

between

a current position

and where we want to be in the future!

(mere & par sive)

REGI NAL

OBSI RVATORY

EXPLORING
ITERATIVELY
TIMES AND
CONTEXTS

EXPLORING AND 'REMEMBERING THE FUTURE'



Regions of Knowledge: Experimental 2003 Version

□ 14 Projects selected out of 53 applications;

- Implemented outside of the 6th FP, it aspires to develop experimental activities involving;
- □ Networks of European regions (with the active involvement of universities, research centres and the business community)...
- □ to create "Knowledge regions", able to provide model regional implementations of the Lisbon strategy, that is, demonstrate...
 - * the central role of knowledge
 - * in driving regional development.



Regions of Knowledge: A welcome initiative

- Such an initiative covered two basic strands:
 - Integrated Regional Technology Initiatives, They are sub-divided in 3 parts:
 - o (a) Technology audits and Regional Foresight,
 - o (b) University Driven Actions for Regional Development,
 - (c) Mentoring Initiatives, where advanced regions would cooperate with less advanced regions (Obj. 1) in a kind of "mentoring" partnership, for a more efficient transfer process;
 - Projects had to have at least 3 partners from 3 different Member States.



"Regions of Knowledge 2"

Critical role for regions in the ERA process whereby

KnowREG-2 was embedded in FP6 Specific Programme 1

(Integrating and Strengthening the ERA - Coherent Development of Policies)
with 18 Projects selected out of 117 applications by 2005 for:

- Enhancing endogenous research potential,
- Networking at a trans-national level.
- As regions investing in RTD and capitalisation of knowledge tend usually to achieve higher economic performance, regional actors in activities stimulating the knowledge-based economy;
- Need for guidance in research and technology policies;
- Need for exchange of information and experience...



S&T Clusters for FP7

Community Research

- Development of regional 'research-driven clusters
- Knowledge through investment in R&D, a key driver for economic growth and employment;
- European R&D, as an essential of the knowledge process:
 - contributes to the creation of new markets or production processes
 - . leads to incremental improvements in conventional industries and increases the capacity of the regions to absorb new technologies
 - facilitates emergence of creative companies and innovative breakthroughs;
- Two objectives for European regions.

Strengthening their capacity for investing in RTD and carrying out research activities

Maximising their potential for a successful involvement of their operators in European research projects