

Towards Joint Programming in Research

**Working together to tackle common
challenges more effectively**

***Comunicazione della Commissione Europea
al Parlamento ed al Consiglio, 15 Luglio 2008***

Conclusioni del Consiglio Competitività, 3 Dicembre 2008

Joint Programming in Research: WHY?

Climate change, diseases, or energy are [examples of] societal challenges shared by all EU countries.

National research, which currently makes up **85%** of all European public research funding, will have more impact if Member States pool their resources and better coordinate their efforts.

The European Commission **proposes** that Member States adopt a new approach of "Joint Programming". It aims at tackling current compartmentalisation which undermines the efficiency of Europe's research.

[Comunicazione della Commissione, 15 Luglio 2008]

Joint Programming in Research: the societal challenges (examples)

...growing awareness in Europe of the existence of common societal challenges which no Member State is capable of resolving alone: e.g. climate change, the ageing of the population, energy, water or food supplies, banking finances and security...

[Conclusioni del Consiglio Competitività, 3 Dicembre 2008]

Joint Programming in Research: cross-border collaboration already exists, but...

...in addition to the existing regional, national, intergovernmental and Community instruments to pool or coordinate national R&D efforts (e.g. FP, ERAnets...), there is an increasing need for **a new and more strategic approach** [i.e. implication of Governments (rather than research institutions alone)].

Joint Programming in Research: HOW? (some key words)

... joint programming should be carried out **on voluntary basis** and according to the principle of **variable geometry** and **open access**. The participation in joint programming should also be based on **scientific excellence** and full utilisation of the **research potential** of its members...

Joint Programming in Research: issues to be addressed (the framework conditions)

- peer review procedures (*ex ante*);
- foresight activities and evaluation of joint programmes (*ex post*);
- funding of cross-border research by national or regional authorities
- dissemination of knowledge and IPR protection

Joint Programming in Research: criteria to identify JP themes

- There is a **sufficient and effective commitment** of MS concerned;
- The theme addresses a European or global challenge and is sufficiently focused so that **clear and realistic objectives** can be laid down and followed up;
- The JP approach brings a **clear added value** to current research financed from national and EU public funds, as regards both economy of scale and better thematic coverage;
- Relevant regional, **national** and EU **stakeholders**, including where appropriate the private sector besides scientific communities and **funding agencies**, **have been involved** in developing the theme;
- A JP approach has the potential of translating the output of good public research into benefits for EU citizens and EU competitiveness, and of increasing the **efficiency and impact of public R&D financing** by involving the key public initiatives in the area.

Joint Programming in Research: GPC, the tool

- **Member States collaborate** in a "*High Level Group for Joint Programming*" (GPC) to identify the themes for JP, chosen following **broad public consultation** of the different regional, national and European **scientific communities**, and of the private sector where appropriate.
- Taking account of the framework conditions each thematic proposal presented to GPC by one or more of its members should include preliminary suggestions concerning a common vision, the governance and implementation of JP initiatives.
- **GPC should evaluate each thematic proposal** for JP on the basis of the **criteria** [slide precedente]

Joint Programming in Research: the time frame

1. GPC identifies and substantiates the first list of a **limited number of JP themes**;
2. The Commission submits a proposal for a Council Recommendation in preparation for the launch of JP initiatives which correspond to the themes identified by the GPC, together with **the state of play of research** in the field of each of these themes, so that
3. the Council is able to **adopt JP initiatives no later than 2010**

Joint Programming in Research: a pilot JP initiative

- The Competitiveness Council considered necessary to launch a **pilot JP initiative** on combating neurodegenerative diseases, in particular **Alzheimer's**, and invited the Commission to submit a proposal for a Council Recommendation in preparation for the launch of this pilot initiative **already in 2009**

Joint Programming in Research: where are we TODAY

- The Swedish Presidency organised a JP Workshop (Brussels, September 14 & 15) to launch a few 'themes' for JP
- Among them:
 - agriculture & climate change;
 - agriculture, nutrition & obesity;
 - how to secure alimentary resources;
 - (energy & environment...)

Joint Programming and ITALY

A summary on the consultation process

- From April 17 to September 10, several meetings with concerned stakeholders: Ministries, Regions, Universities, Res. Centres [CRUI???
- A strong and widespread commitment emerged among stakeholders
- A Ministerial Conference is planned (November) to advertise the Joint Programming Initiative to the scientific community and the public at large

JP Themes preliminary identification

Through the extensive/intensive consultation process, themes were preliminarily identified:

- that fit within the priorities set by the IT National Research Plan;
- on which there is an established core of competence in Italy and across Europe;
- on which there are already (and/or there are defined plans for) sustained and substantial investments by national and/or local governments;
- that correspond to the criteria for JP set by the Council Conclusions

JP of EU Research: preliminary suggestions of JP themes by IT (proposed at the 14-15 Sept. meeting)

- IT confirms strong support for the “*City of the future*” theme, presented by AT
- Key elements for IT support:
 - a whole IT Region (Marche) decided to concentrate its investments and capability for R&D on “*home automation*” (or “*clever homes*”),
 - at the last G8 in L’Aquila, IT was mandated to coordinate a network on “*smart grids*”,
 - the full involvement of IT Ministry of Education, University & Research

Preliminary suggestions on JP themes by ITALY

IT has a defined interest for ‘food-related’ themes (as proposed by NL, FR and UK), and would like to add its vision on the JP Theme:

Food security, quality, safety and sustainable production in a changing environment

The main supporter Italian Institutions are: Ministry of Agriculture, Min. of Education, University and Research, Min. of Welfare & Health, main National Research Centres (CNR, ENEA, ISS)

Food security, quality, safety & sustainable production in a changing environment

Objective: to tackle the environmental and societal challenges for European agriculture to produce sufficient and safe food in a sustainable way.

Main challenges:

- **Food security**
- **Climate change**
- **Well-being & health concerns**

Food security, quality, safety & sustainable production in a changing environment

Why to develop this research theme within the context of JP?

- The crucial and complex challenges involved in this theme can only be met by a strong collaborative EU research effort. The JP format will endow research and innovation in food security, safety, quality and sustainable production with the necessary scale and vision.
- The results of this concerted effort will benefit European citizens and EU research competitiveness in the first place, and in a wider perspective will be beneficial at a global level

Food security, quality, safety & sustainable production in a changing environment

Where is the added value of the JP approach?

The multidisciplinary and the interdependency of the theme's issues call for new knowledge, only attainable through new institutional arrangements.

Although research in agriculture, natural resources' management and food is supported by individual EU Member and Associated States (EU-MAS), and targeted research in these sectors is financed under FP7, the breakthrough now required can only arise from **common visions and shared strategic research agendas**, and the necessary pooling of resources, as foreseen by a JPI scheme

Food security, quality, safety & sustainable production in a changing environment

JP is the most appropriate approach

The rethinking of food production, processing, purchase and consumption necessitates a quick response of the agro-food system to effectively address these new challenges. Only the direct cooperation among EU-MAS and the networking of their research programmes and resources envisaged by the JPI allows the necessary critical mass of people, resources and infrastructures to be reached

Food security, quality, safety & sustainable production in a changing environment

IT Commitment of human and financial resources

*The Italian Ministry of Agriculture has **already decided to invest** a substantial amount of resources on this theme. The involved Research Centres will also contribute, **both cash and in kind**.*

*The Italian Ministry of Health **already invests** every year 10M€ on the theme of food security, quality and safety*

Preliminary suggestions on JP themes by ITALY

IT would like to submit to GPC as a JP Theme :

The challenge of cultural heritage: providing protection in response to major changes for Europe in a global context

The main supporter Italian Institutions are: Ministry of Cultural Heritage, Min. of Education, University and Research, main National Research Centres (CNR, ENEA)

The challenge of cultural heritage: providing protection in response to major changes for Europe in a global context

Why to develop this research theme within the context of JP?

Programming jointly EU Research on this theme is a unique opportunity for EU-MAS to maximize and coordinate their critical mass, thus contributing to EU research competitiveness.

JP will overcome institutional barriers to ensure that research activities have a transnational vision in the sectors relevant to the preservation of cultural heritage.

The challenge of cultural heritage: providing protection in response to major changes for Europe in a global context

Where is the added value of the JP approach?

**Enhancing partnership and mutual learning between EU-MAS,
this JPI will**

- promote new forms of public engagement with cultural heritage,
- strengthen EU leadership in developing science-based conservation,
- lead to acceptability of technologies and methodologies applicable to tangible cultural heritage, according to the specific demands of the cultural assets in their original environments.

The challenge of cultural heritage: providing protection in response to major changes for Europe in a global context

Which are the benefits for EU-MAS citizens

Cultural heritage is one of the backbones of the tourism industry, that contributes to EU-GDP for around 11% and employs >12% of the labour force.

Infrastructure created for tourism contributes to local development, and jobs are created or maintained even in areas of industrial or rural decline, or undergoing urban regeneration. Developing new and innovative methodologies for a sustainable cultural heritage will allow a sustainable European tourism industry to be developed

The challenge of cultural heritage: providing protection in response to major changes for Europe in a global context

JP is the most appropriate approach

The NET HERITAGE EU project is the precursor of this JPI. The project, which includes 14 countries – Italy (coordinator), Belgium, Bulgaria, France, Germany, Greece, Iceland, Latvia, Malta, Poland, Romania, Slovenia, Spain and United Kingdom – has shown:

- 1) the urgent need to co-ordinate research activities applied to the protection of tangible cultural heritage;**
- 2) that no single nation will be able to develop this area of research solely within its own borders**

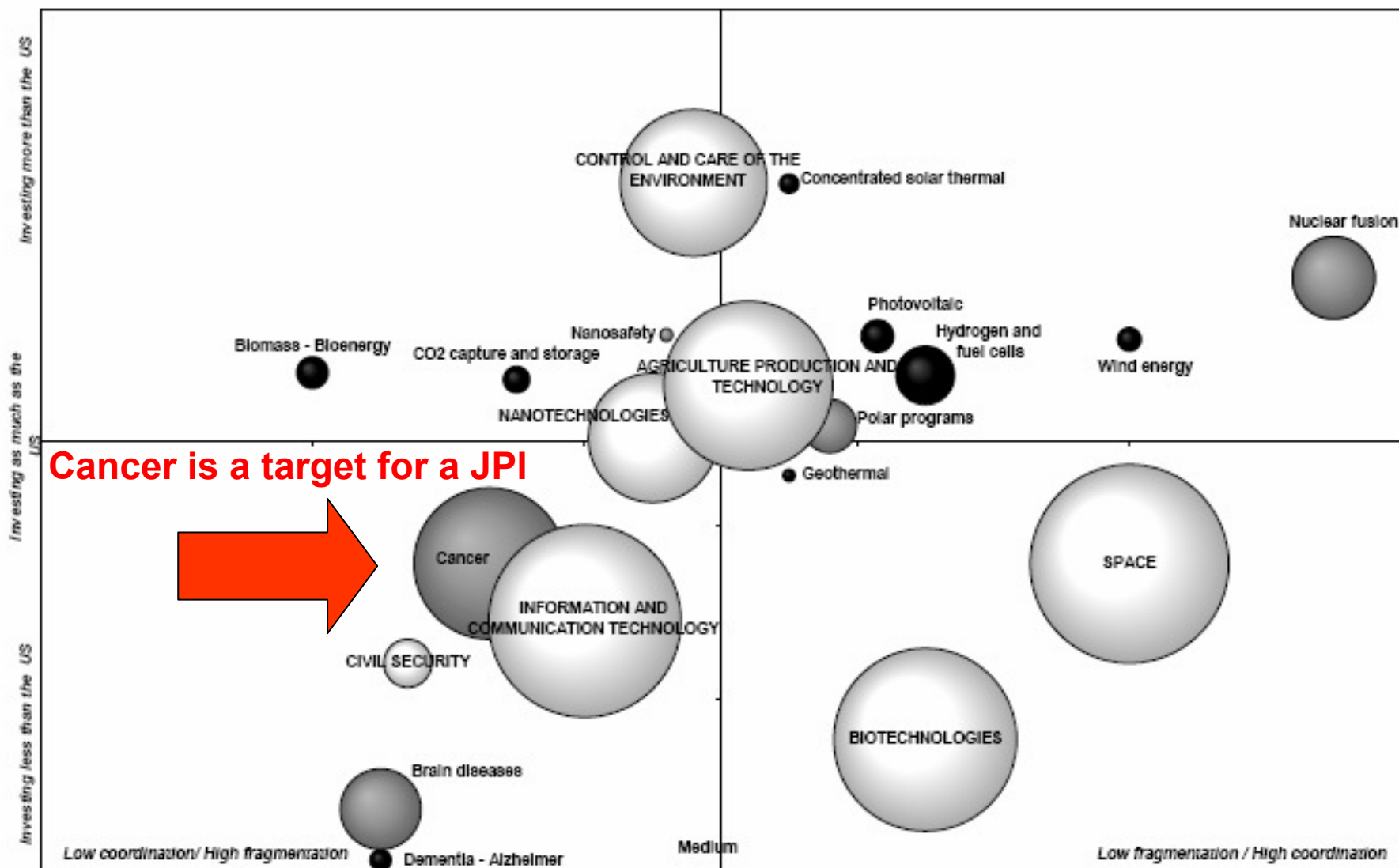
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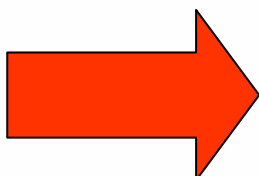
Development and optimization of diagnostic and therapeutic strategies for cancer patients with a poor prognosis

The main supporter Italian Institutions are: Ministry of Health and Welfare, Min. of Education, University and Research, the National Institute of Health, the National Research Council

Development and optimization of diagnostic and therapeutic strategies for cancer patients with a poor prognosis



Cancer is a target for a JPI



“COMMUNICATION FROM THE COMMISSION TOWARDS JOINT PROGRAMMING IN RESEARCH :



EUROPEAN
COMMISSION

European
Research Area

- The Swedish Presidency, at the end of the meeting decided to group the 17 proposed candidate-themes to be grouped in 6 'clusters' of challenges, and identified 6 Countries as clusters' co-ordinators:
- Cities/transport AUSTRIA
- Climate change FRANCE
- Cultural heritage ITALY
- Food UK
- Water SPAIN
- Health NL

Preliminary suggestions on JP themes by ITALY

- IT would like to consider this as a **FIRST and PRELIMINARY** round of discussion
- On the other hand, IT considers important to agree on another 2-3 'pilot' JP themes to be added to the *“Neurodegenerative diseases”* before the end of this year 2009
- IT likes to see the JPI as a 'rolling' process, and is prepared **to submit to GPC other suggestions of JP themes** in the coming months