

Future and Emerging Technologies

DG Information
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European
Commission



Perspectives for QIPC in FP7

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QIPC Workshop

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Acknowledgements

- Special ‘thanks’ to Prof. De Martini, Prof. Mataloni, Dr. Sciarrino and everybody involved for all their efforts to make this workshop a success
- ‘Thanks’ to the organizers for granting us the time for this special session

Program

- **Introduction by the EC**
- **Brief presentations (4min/3slides) in QIPC sub-areas:**
 - **Visions and challenges in the sub-areas**
 - **Outlook for QIPC: applications, relations to other scientific fields and technologies**

- **Open discussion:**

Prof. De Martini, R. Dum, A. Karlson



Contents

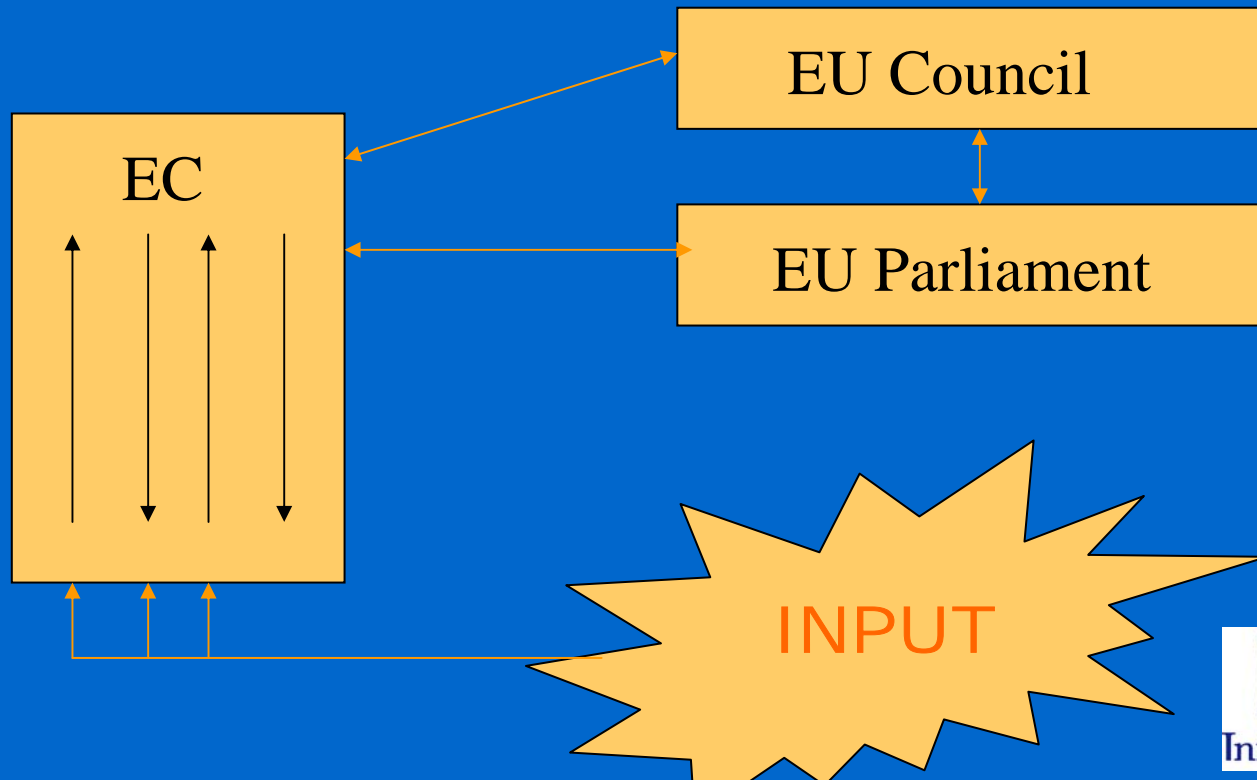
- **Rational and context of FP7**
- **The objectives**
- **Concrete suggestions on several initiatives**
- **Outline of EC publication on QIPC**

Why this special session?

- **FP7 is in the process to be designed**
- **Attempt to assure continued funding for research in QIPC**

Rational and context

- Framework Program 7
- Process



Timetable

- **Commission communications**
 - **14.01.2004: Europe and basic research**
 - **10.02.2004: first orientation**
 - **16.06.2004: Guidelines (12 pages)**
- **Input from units: Dec. 2004**
-iterations.....
- **Official proposal from EC: March 2005**
-iterations.....
- **Proposal on the Specific program: Sept. 2005**
-iterations.....
- **Adoption: June 2006**
- **Work Program: Sept. 2006**
- **Call for proposals: Dec. 2006**
- **Start: Jan. 2007**



INPUT

= feedback from external (to the EC) people or organizations

- **Lessons learned: assessment of FP5 and FP6**
- **ISTAG: IST Advisory Group**
- **IST Committee (member states)**
- **Bilateral meetings with participants in FP5 and FP6**
- **Workshops with external experts**



Objectives of the input

- Present QIPC research in an appropriate way to decision makers

**Role of the ‘scientific officers’ in the EC:
create the link, serve as ‘interpreters’
between the scientific community and the
EC**

The reality

- There is a strong competition between different research areas
- There is no guarantee that it will work out, but is the only way to create chances and to increase the probability

Assessment of FP5 and FP6

- **FP5 - QIPC proactive initiative: 25 projects with total cost of 41 M€ and EU funding of 31 M€**
- **FP5 - FET Open: 10 projects with total cost of 7 M€ and EU funding of 5.6 M€**

- **FP6 – QIPC proactive initiative: hope for 20 M€**
- **FP6 – FET Open: 4 + 1 and more to come...**

- **Strength: Many excellent scientific results, Europe is leading in QIP research**
- **Weaknesses - Lack of:**
 - **Clear Europe-wide vision and research agenda**
 - **EU Roadmap**
 - **map of EU expertise**
 - **documents that unify the results at EU level and present them in a concise and comprehensive way**
 - **visibility to politicians and decision makers**
 - **Appropriate “Marketing”**
- **There is a gap to be filled and it would be appropriate to do something about it in order to insure sustainable commitment for funding**

How to do it?

- **Suggestions on initiatives to be taken**
- **Discussions in the scientific community**
- **Specify concrete initiatives and identify tasks for each**
- **Identify people responsible for each task**
- **Define the agenda for each initiative**

It would be very positive if these initiatives are endorsed by the major players of the scientific community and reach out as many scientists as possible. Scientific excellence and the European dimension are the criteria for choosing and carrying out initiatives.



Other benefits from these initiatives

- Strengthen the sense of “community”. Showing to the public that there is a unified scientific community that knows what is doing and where it wants to go is the best marketing tool.
- Increase coordination between national/regional projects and initiatives
- Dissemination
- Provide a unified image to our international partners and strengthen international collaboration

Suggested initiatives - 1:

- **Produce a ‘structured report’:**
 - about 15 pages (for a general technically literate but not specialized audience)
 - About 2 pages summary understandable for people without any technical background
 - serve as input document for the EC in the beginning of Dec.
 - Select a Committee responsible for the work

Suggested initiatives - 1:

- ‘structured report’:
 - Brief analysis of the current status and achievements
 - What are the visions and challenges
 - Potential applications
 - Potential impact: technological, economic, social
 - Comparison of EU research with respect to other regions
 - Justify why QIPC should be done/funded on EU level

Suggested initiatives -2:

- **Produce a roadmap:**
 - **Select a Committee responsible for the work**
 - **a stand-alone reference document**
 - **A map of EU research teams and their competences to be included**

Suggested initiatives-3:

- Publication produced with the coordination of the EC, printed as EC 'Report'

Suggested initiatives- continued:

- **Proposal for Coordinated Action (similar to a thematic work) could be submitted within FET-Open**
- **Initiate the publication of articles in reputable popular science journals and in the press**



All your ideas are very welcome!

Question time!

Outline of the publication “QIPC in Europe”

Published in format “Report” by the EC

The text should be written for a general but technically literate public. It should not be a newspaper style article, neither a technical scientific publication. The suggested style is like for “Scientific American”.

Outline 1

- **Title page**
- **Acknowledgements, editorial team, contributors**
- **List of the unit FET and points of contact**
- **Contents**
- **Foreword by Commissioner, Director General or Director**

Outline 2

- **Short introduction by EC (2 pages): policy oriented**
- **QIPC Roadmap (about 15 pages)**
- **A map of EU research teams and their competences**

Outline 3

- **Statistics about projects – mainly in graphs and charts: 2 - 4 pages**
- **All QIPC FP5 projects (2 pages each): abstract, results, success stories, etc. On the R-hand side of the second page there is a column for practical information: project coordinator and contact info, list of the project partners, etc.**
- **ALL FP6 projects (2 pages each): description, objectives (include also projects from Call3, contract has to be signed at time of publication)**



Outline 4

- Personalities and/or research groups (2 pages each):
 - Present himself
 - *personal views* about QIPC visions and challenges
 - Outlook for QIPC: applications, relations to other scientific fields and technologies
 - wish list
- On top of the page: a picture and a short bio of the scientist (similar for the research group).

Outline 5

- **National initiatives or projects (2 pages each).**
- **International cooperation and personalities outside of the EU: developments in the US (including “QIST road-mapping project” ARDA), Canada, Japan, Australia...**



Outline 6

- **List of addresses**
- **Glossary of terms and acronyms**

Please, give us your comments on the suggested outline of the publication!



Two more issues:

- **Where to organize the next QIPC cluster review: any volunteers?**
- **Where to organize the 2005 QIPC workshop: any volunteers?**

Question time!

Thank you for your attention!

