

FP7 Funding Overview and Experiences



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The Regional Cluster Bavaria includes the MPIs for:

- Astrophysics
- Extraterrestrial Physics
- Foreign and International Social Law
- Intellectual Property, Competition and Tax Law
- Neurobiology
- Ornithology
- Physics
- Psychiatry
- Quantum Optics

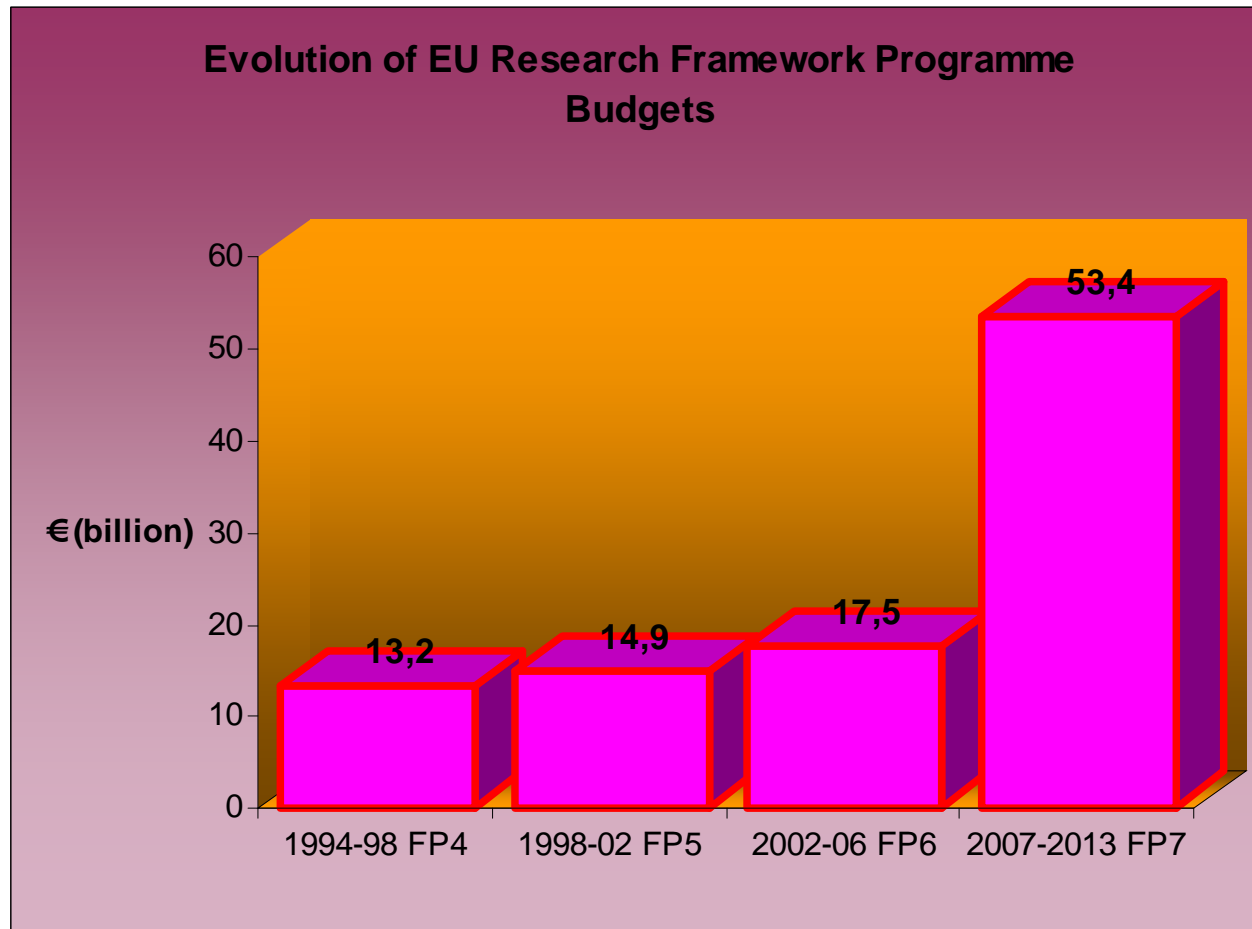
- Information about contents of programs, instruments of funding and proposal procedures
- Analysis of ideas
- Guidance for project planning and proposal writing
- Support in project management
- Cooperation with NCPs, GA of the MPG, KOWI and the EC
- Arranging of contacts
- All Calls and relevant News via Email
- Newsletter
- Organisation of events and workshops (with external speakers)

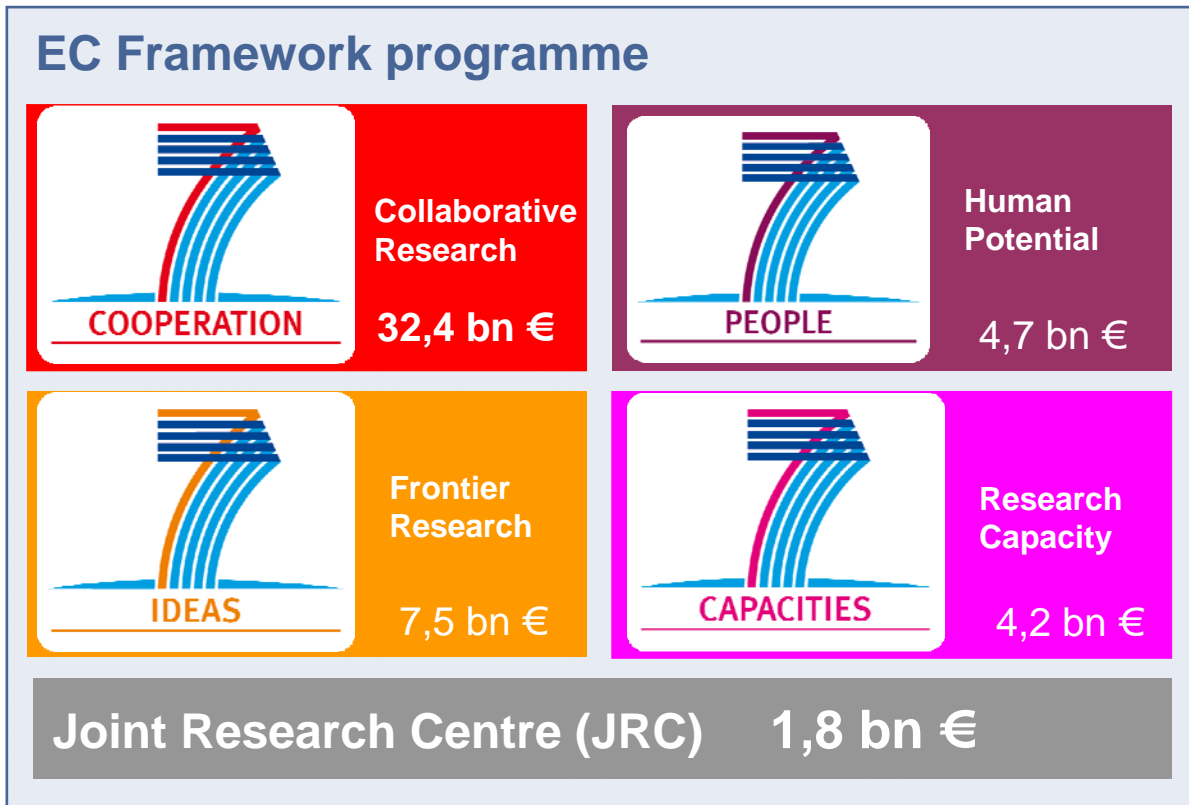
Advice in four languages: English, German, French, Spanish



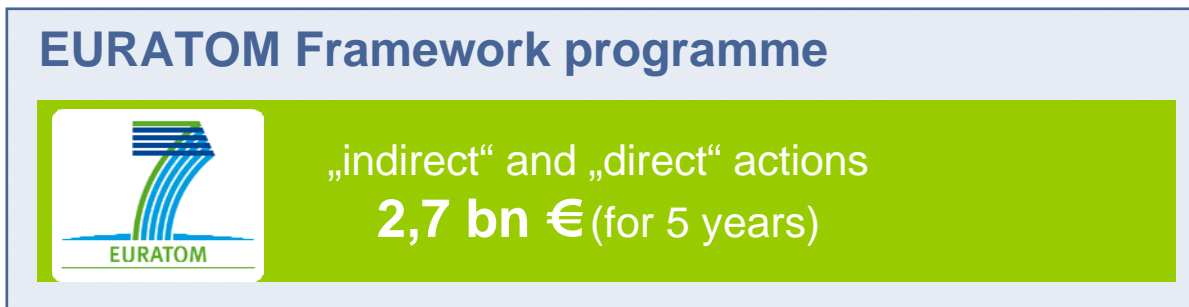


Over 53 Billion Euros for Funding

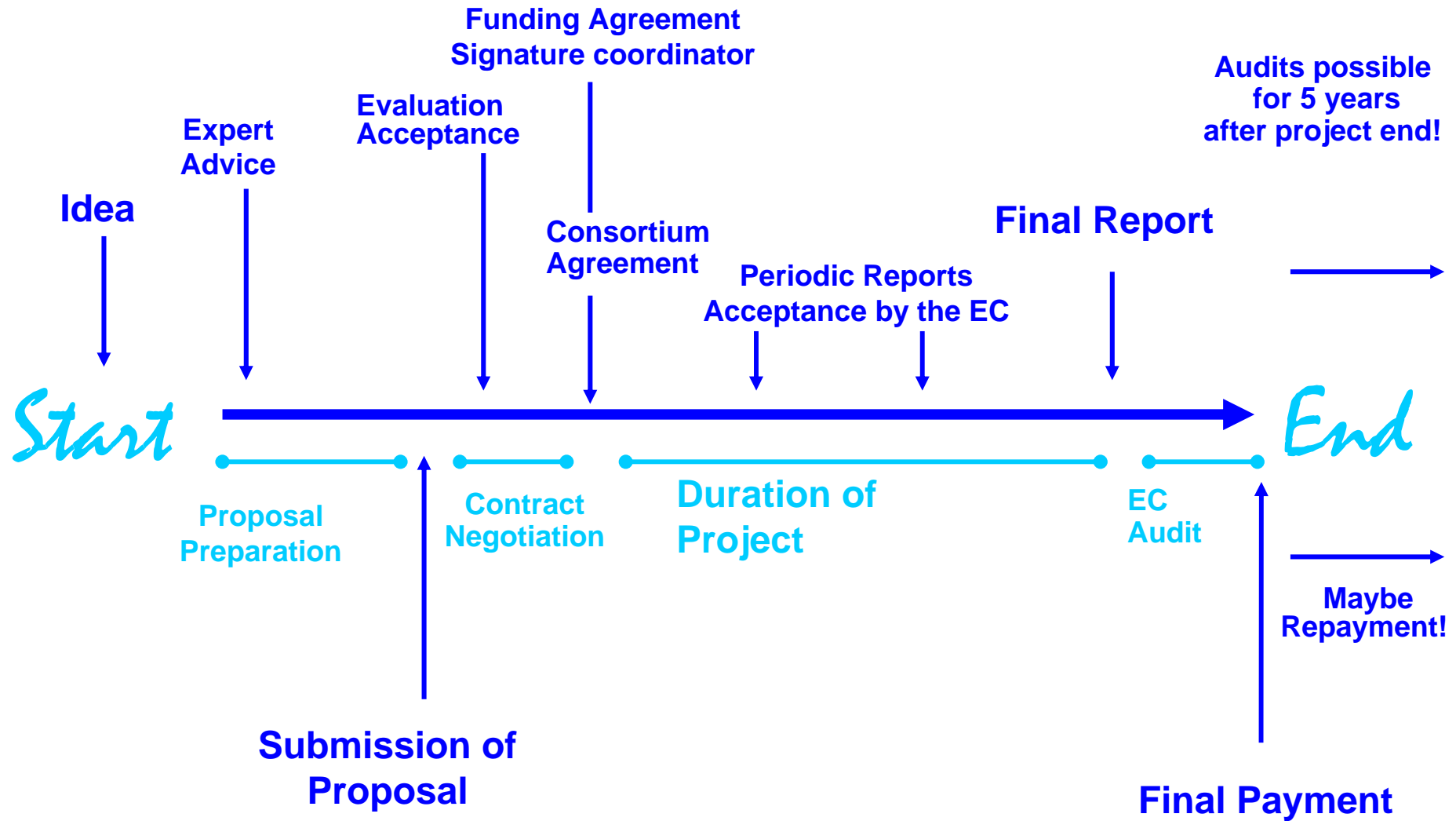




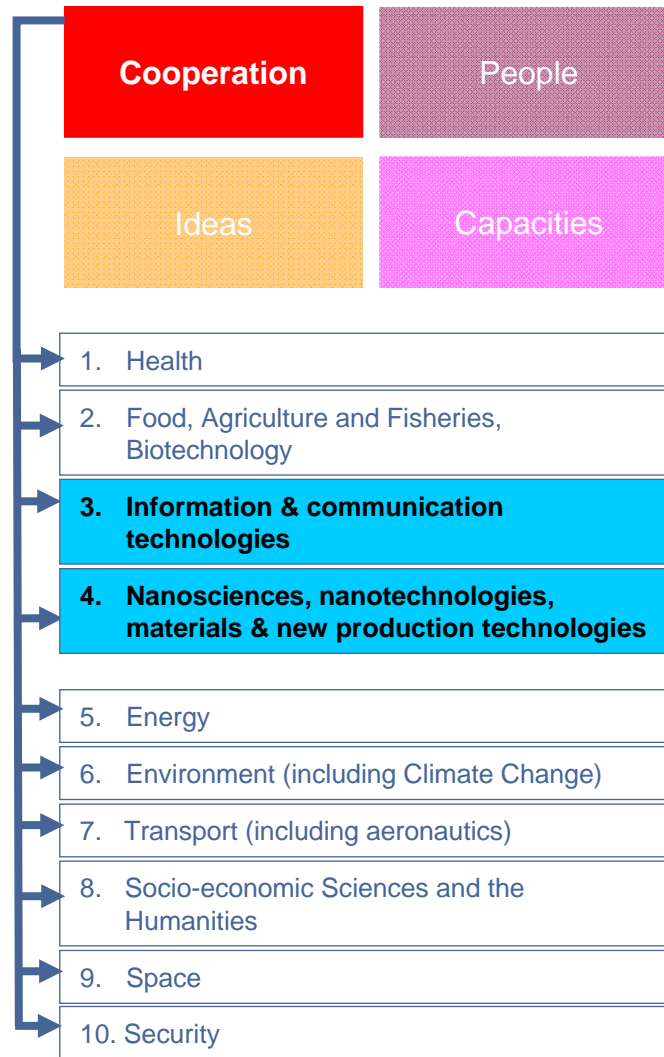
Total
53,3 bn €



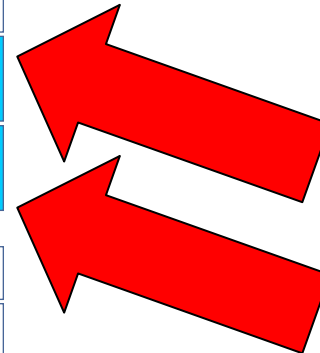
Project Timetable







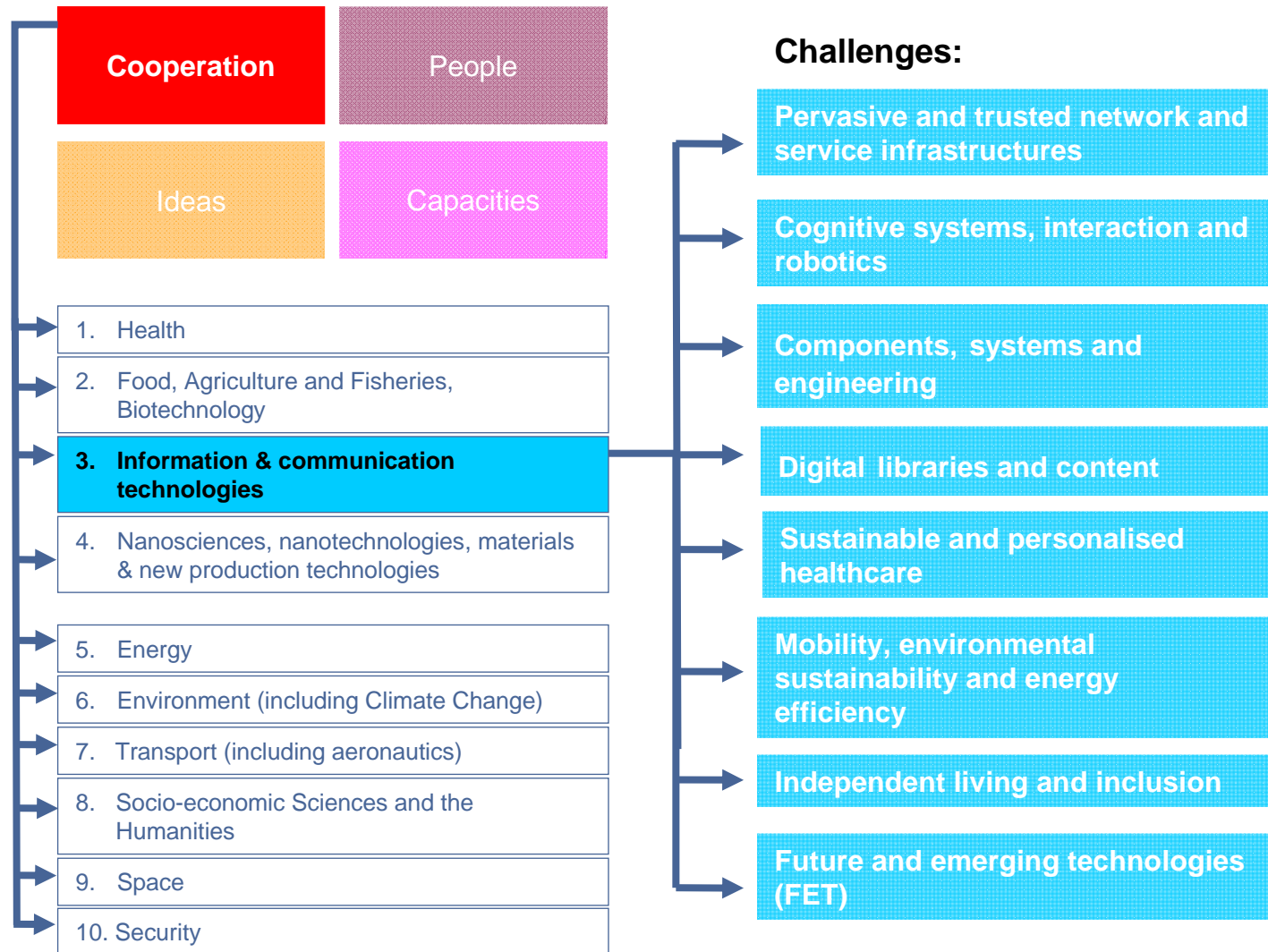
„fostering collaboration between industry and academia to gain leadership in key technology areas.“

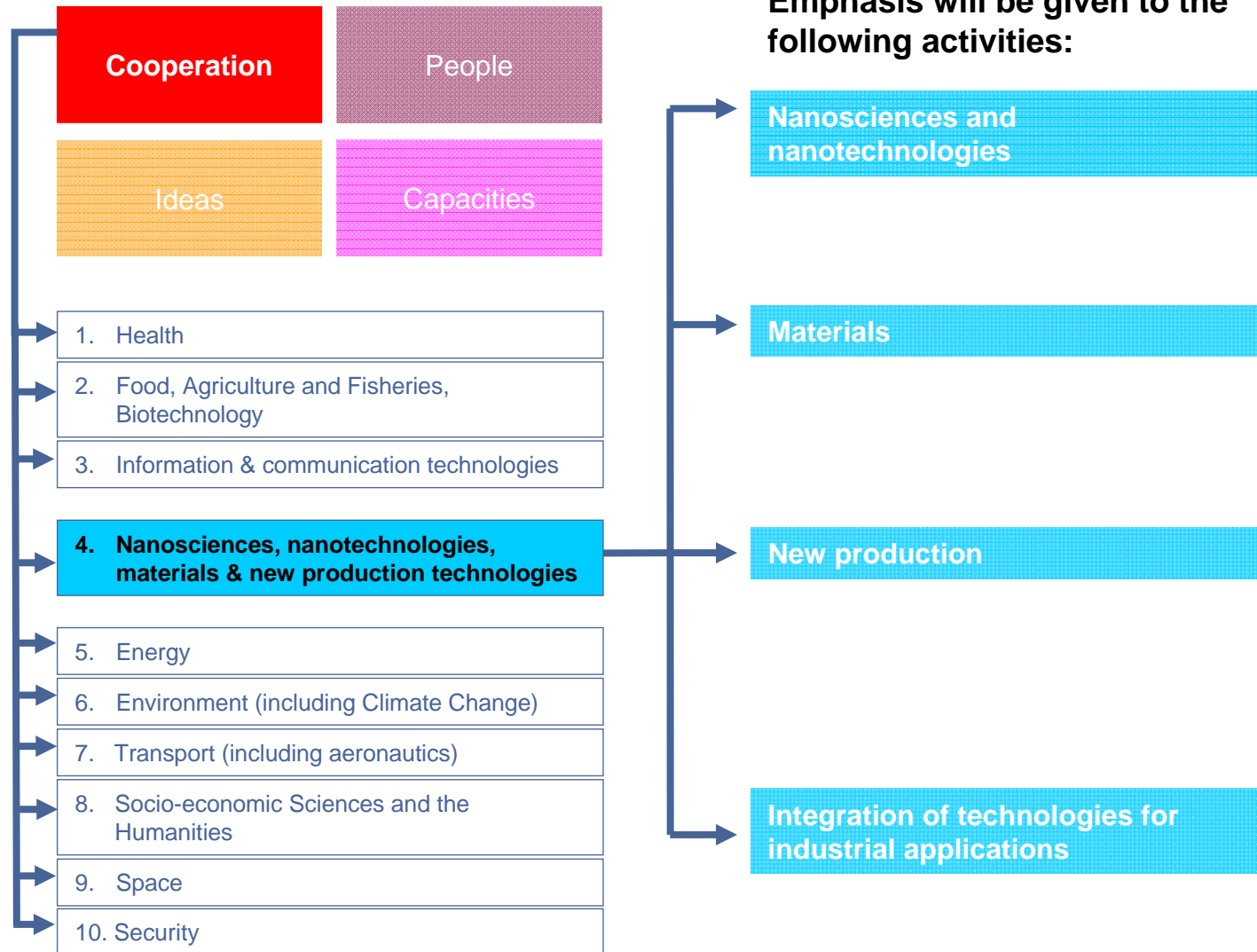


For us of particular interest:

ICT

NMP





Emphasis will be given to the following activities:

- Nanosciences and nanotechnologies
- Materials
- New production
- Integration of technologies for industrial applications



Collaborative research

Collaborative projects (CP), Networks of Excellence (NoE), Coordination and Support Actions (CSA)

Coordination Actions (CA) Support Actions (SA)

Integrated Projects (IP) Small and Medium Size Targeted Projects (STREP)

Joint Technology Initiatives

European Technology Platforms (ETP) → Joint Technology Initiatives (JTIs)

Coordination of national research programmes

ERA-Net, ERA-NET+, Article 169

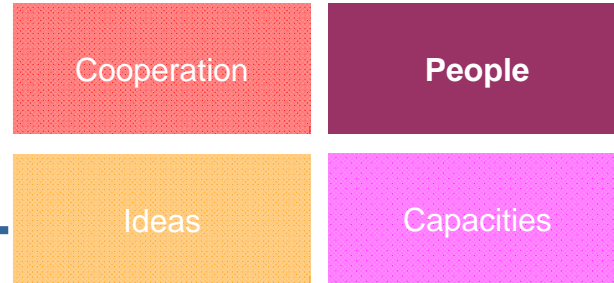


Molecular Logic Circuits (MOLOC)

successor of project MOLDYNLOGIC (FP6)

- **Theme:** Cooperation > Theme 3: Information and Communication Technologies (ICT) – FET (Future and Emerging Technology) Proactive
- **Funding scheme:** Collaborative Project- STREP
- **Call Identifier:** FP7-ICT-2007-1
- **Participants:** 6 Partner (EU and Israel)
- **Funding:** Max. 2,04 Mio. Euro of Funding
- **Start Date:** 01 February 2008
- **Duration of the Project:** 36 months
- **Coordinator:** Prof. Francoise Remacle, Université de Liège, Belgium
- **Participant in MPQ:** Prof. Kompa / Laser Chemistry Emeritus Group, Dr. Elva Torres





„supporting basic research at the scientific frontiers (implemented by the European Research Council).“

- **ERC Starting Independent Researcher Grant (StG)**
Next call: approx. June 2008
- **ERC Advanced Investigator Researcher Grant (AdG)**
Next call: running until 28 February



- Investigator-driven „bottom-up“ frontier research, risky, for the benefit of science and society
- No themes, interdisciplinary, different panels for evaluation
- Implemented by the European Research Council (ERC) – the first pan-European funding agency for Frontier Research
- Competition at European level
- Sole Criterium: scientific excellence
- Single teams (not networks) – excellent PI
- Scientific autonomy
- Budget ~ €1bn p.a.: 2/3 AdG, 1/3 StG
- Simple, user-friendly



- Young Researchers (2 – 9 years after PhD)
- Support for establishing an independent team
- 0.5 - 2 Mio. Euro per grant
- Duration: up to 5 years
- two-stage application procedure

Only 3 % from over 9000 proposals got funded –
but in our Institute two!

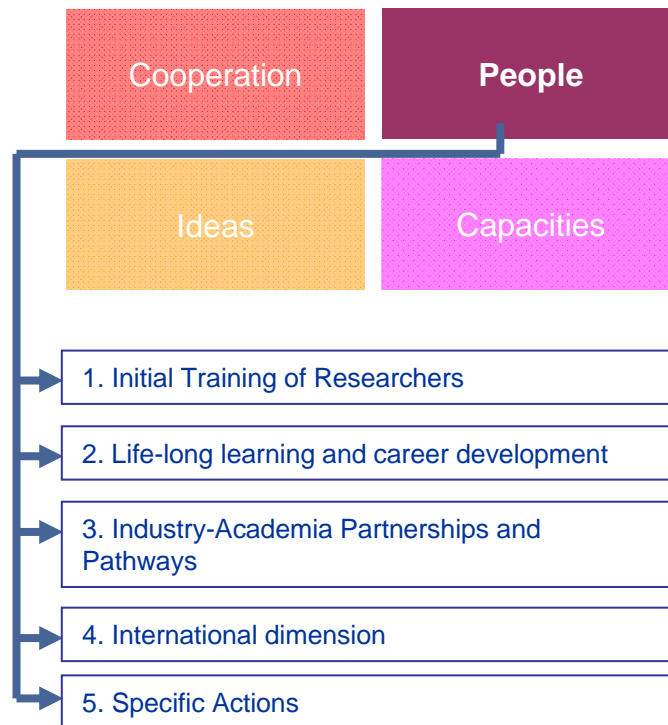
Congratulations Reinhard Kienberger and Tobias Kippenberg!



Ultra-high-Q Physics: Towards single molecules and phonons – SiMP (Proposal No. 209321)

- **Theme:** ERC - Ideas
- **Funding scheme:** Independent Researcher Starting Grant (StG)
- **Call Identifier:** ERC – 2007- StG
- **Participants:** 1 PI and his group
- **Funding:** currently under negotiation
- **Start Date:** ~ June 2008
- **Duration of the Project:** up to 5 years
- **Participant in MPQ:** Dr. Tobias Kippenberg





„strengthening, quantitatively and qualitatively, the human potential in research and technology in Europe, making it more attractive to the best researchers“

For us of particular interest



Early-stage researchers:

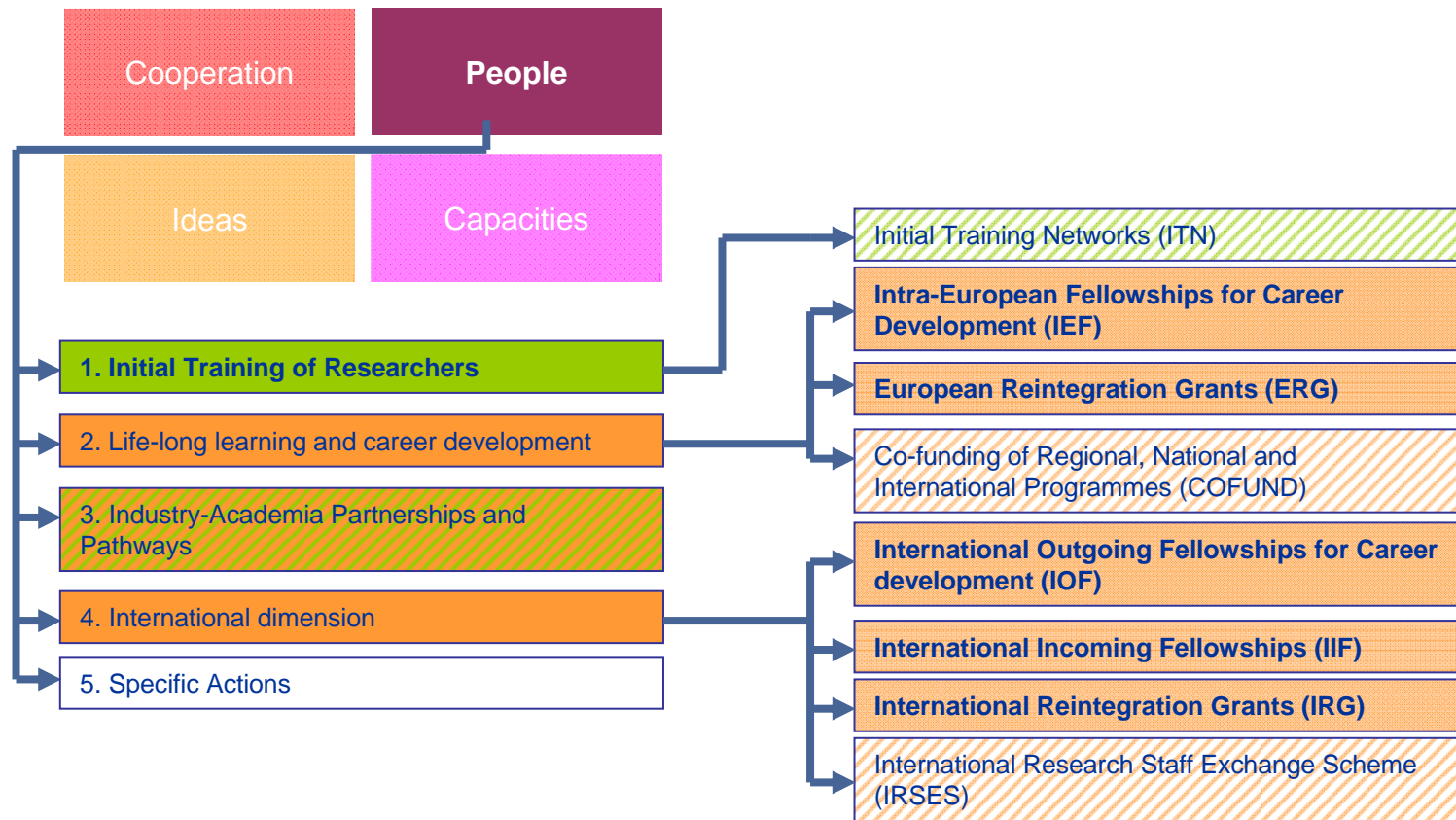
- are in the first four years (FTE) of their research careers (starting at the date of obtaining a degree which would formally entitle them to embark on a doctorate)

Experienced researchers:

- are in possession of a doctoral degree, independently of the time taken to acquire it

OR

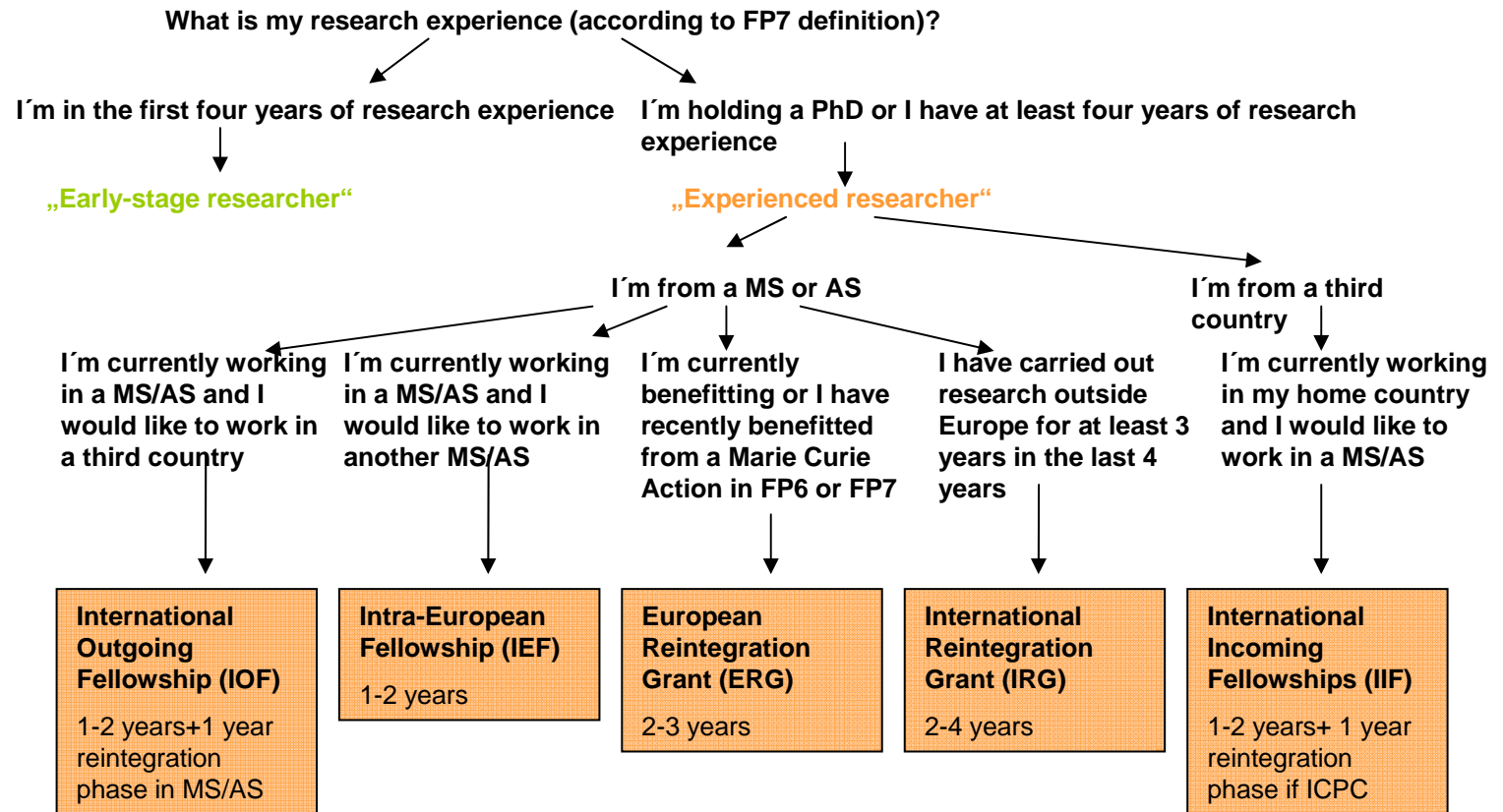
- have at least four years (FTE) research experience



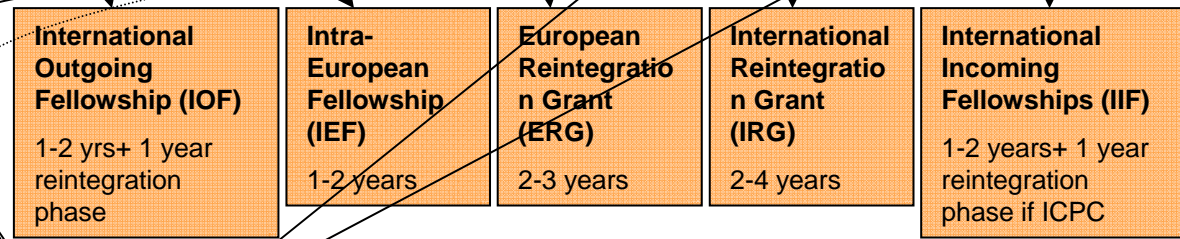
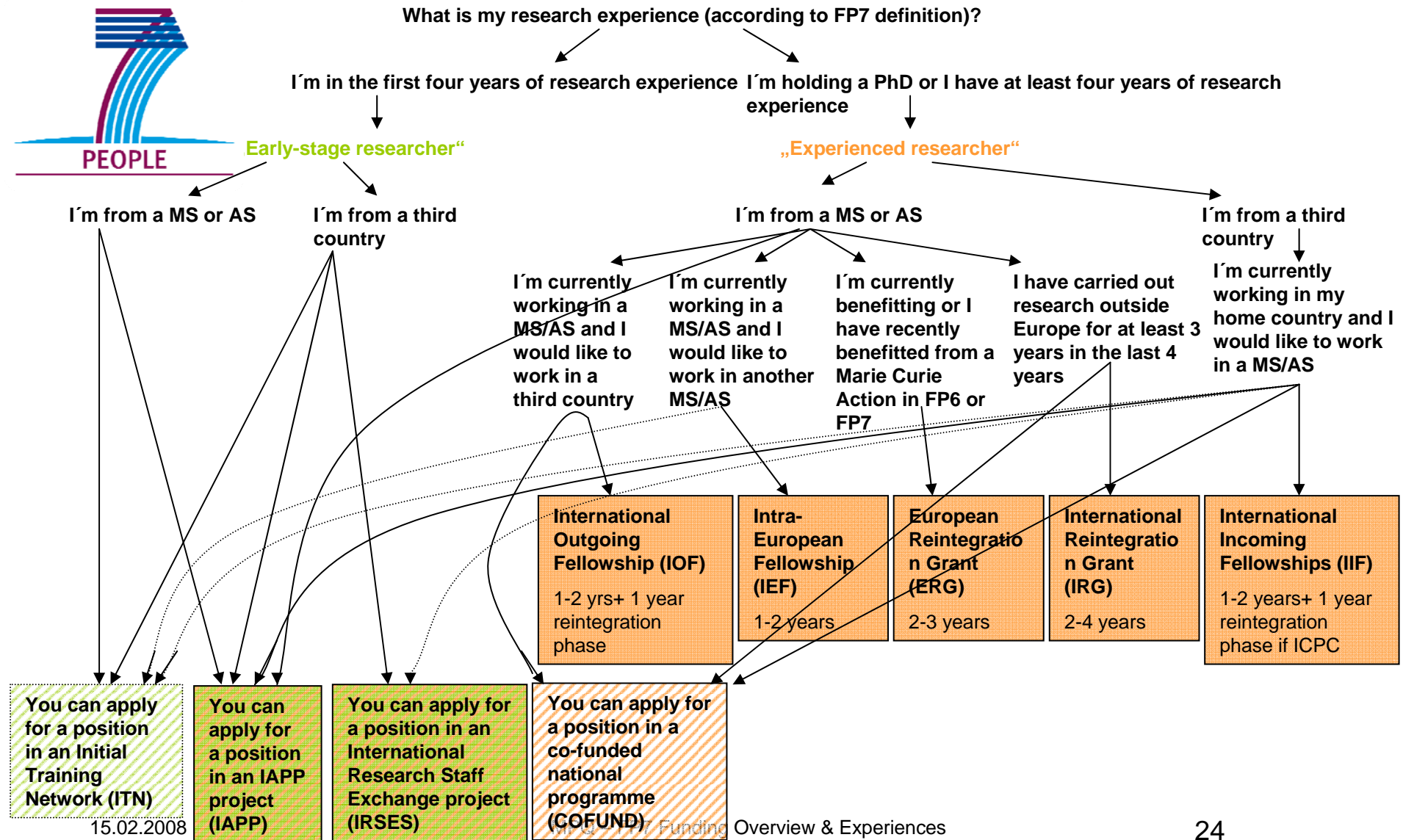
= proposal submitted by one or several organisations



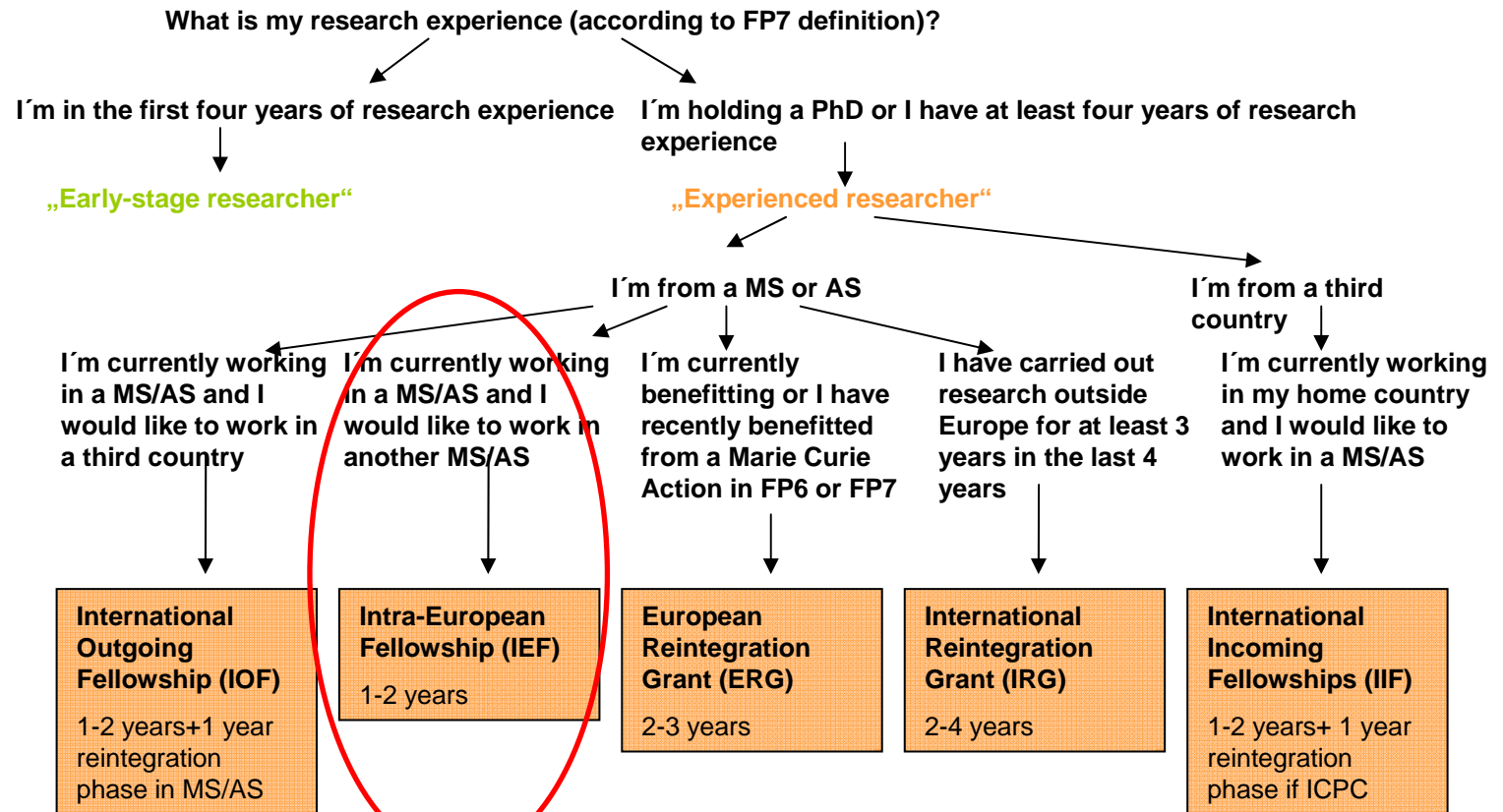
= proposal submitted by an individual researcher in conjunction with the host organisation



All funding schemes



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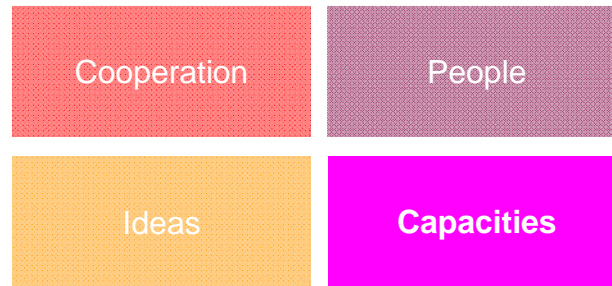
- Objective: competence diversification, career development
- Researcher from MS or AS
- 1-2 years research stay in another MS or AS (not home country, not country of > 12 month working during the last 3 years)
- PhD degree enough – more experience recommended
- Next call: March 2008



Quantum Optomechanics using Monolithic Micro-Resonators (QUOM)

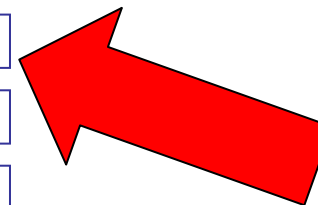
- **Theme:** People – Intra-European Fellowship (IEF)
- **Funding scheme:** Intra-European Fellowship
- **Call Identifier:** FP7-PEOPLE-2007-2-1-IEF
- **Participants:** 1
- **Funding:** currently under negotiation
- **Start Date:** 15 February 2008
- **Duration of the Project:** 24 months
- **Participant in MPQ:** Dr. Tobias Kippenberg / Junior Research Group Laboratory of Photonics, Dr. Olivier Arcizet





„enhancing research and innovation capacities throughout Europe and ensure their optimal use“

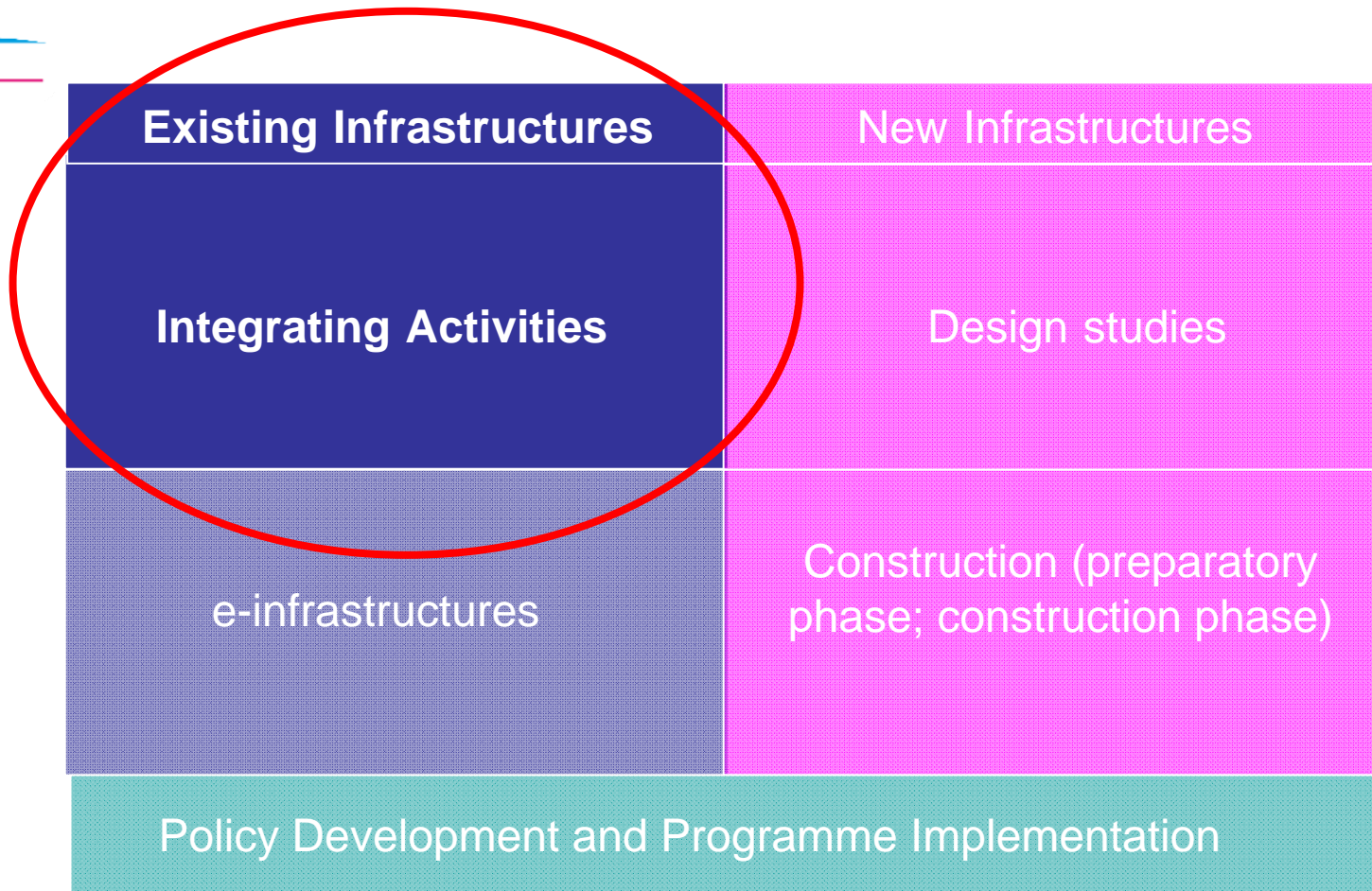
- 1. Research Infrastructures
- 2. Research for the benefit of SMEs
- 3. Regions of knowledge
- 4. Research potential of convergence regions
- 5. Science in Society
- 6. Coherent development of research policies
- 7. Activities of International Cooperation



For us of particular interest

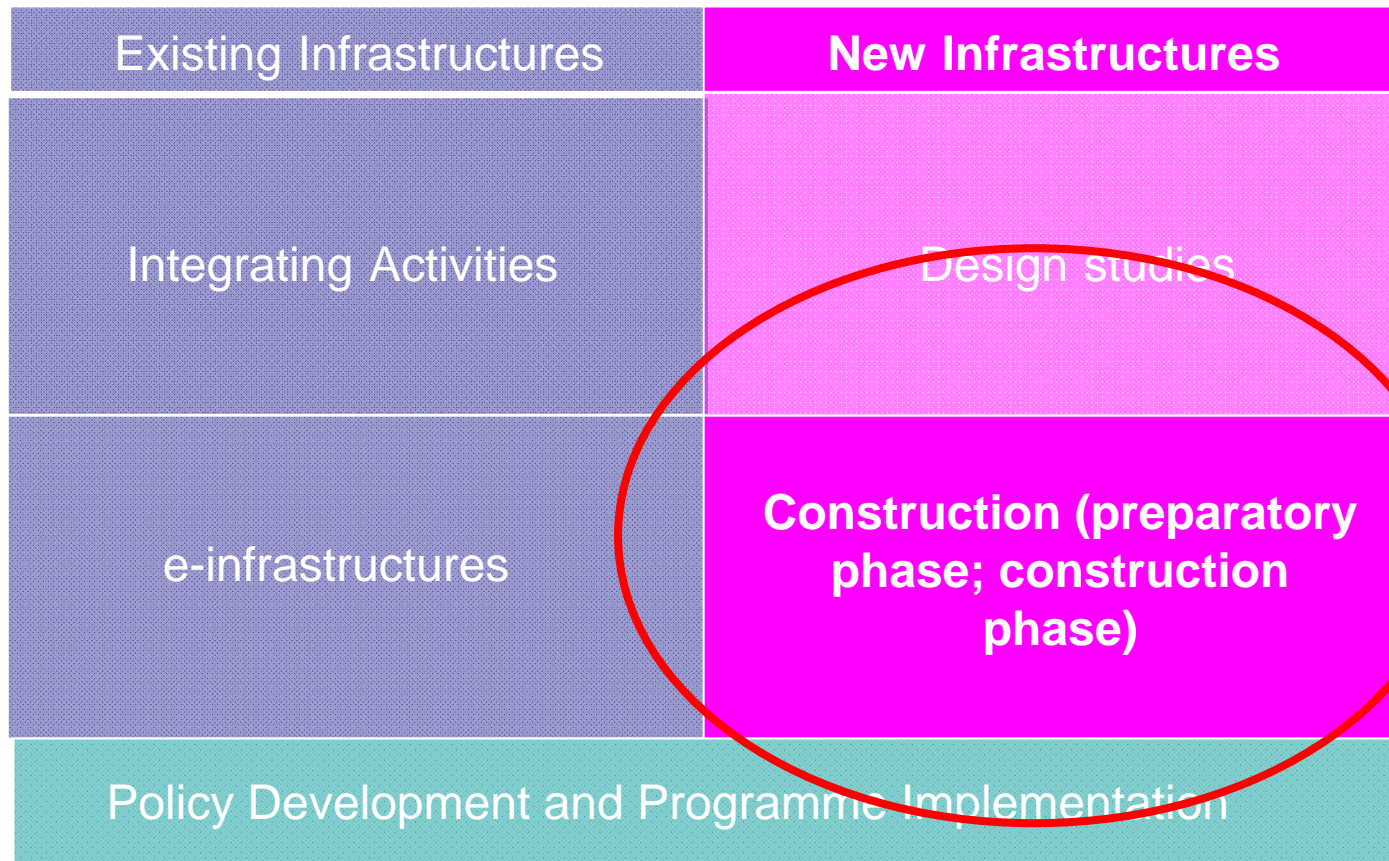


Existing Infrastructures	New Infrastructures
Integrating Activities	Design studies
e-infrastructures	Construction (preparatory phase; construction phase)
Policy Development and Programme Implementation	





- to promote the coherent use and development of research infrastructures in a given field
- Structure better and integrate, on a European scale, the way research infrastructures operate and develop
 - ➔ Normally all major RI's in Europe in **one field**
 - ➔ At least 3 MS or AS
- 3 types of activities in one project
 - ➔ Networking Activities
 - ➔ Trans-national Access
 - ➔ Joint Research Activities
- Based on the continuation of the successful FP6 instrument “**I3**”
- Project type: *combination* of collaborative project + coordination and support actions





- first call restricted to topics identified in the 2006 ESFRI roadmap
- aims at bringing the project to the level of legal and financial maturity required to implement the project
- participants: all stakeholders, such as national ministries, national funding bodies; research centres etc.
- tasks focusing on: strategy development, technical work, governance and logistical work, financial arrangements, legal issues
- Project type: *combination of collaborative project + coordination and support actions*



Extreme Light Infrastructure – Preparatory Phase (ELI-PP)

- **Theme:** Capacities – Research Infrastructures
- **Funding scheme:** Combination of Collaborative Project and Coordination and Support Action
- **Call Identifier:** FP7-INFRASTRUCTURES-2007-1
- **Participants:** 27 (15 research organisations and 12 national funding agencies)
- **Funding:** currently under negotiation
- **Start Date:** 1 November 2007
- **Duration of the Project:** 36 months
- **Coordinator:** Gérard Mourou, CNRS, France
- **Participant in MPQ:** Prof. Krausz / Division of Attosecond and High-Field Physics, Dr. George Tsakiris

- http://cordis.europa.eu/fp7/home_en.html
- www.forschungsrahmenprogramm.de
- www.kowi.de
- www.eubuero.de
- www.nks-ikt.de
- <http://ec.europa.eu/research/index.cfm>
- www.ipr-helpdesk.org
- http://ec.europa.eu/eracareers/index_en.cfm
- <http://www.eracareers-germany.de/>

Thank you for your attention!

...Questions??