

# 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

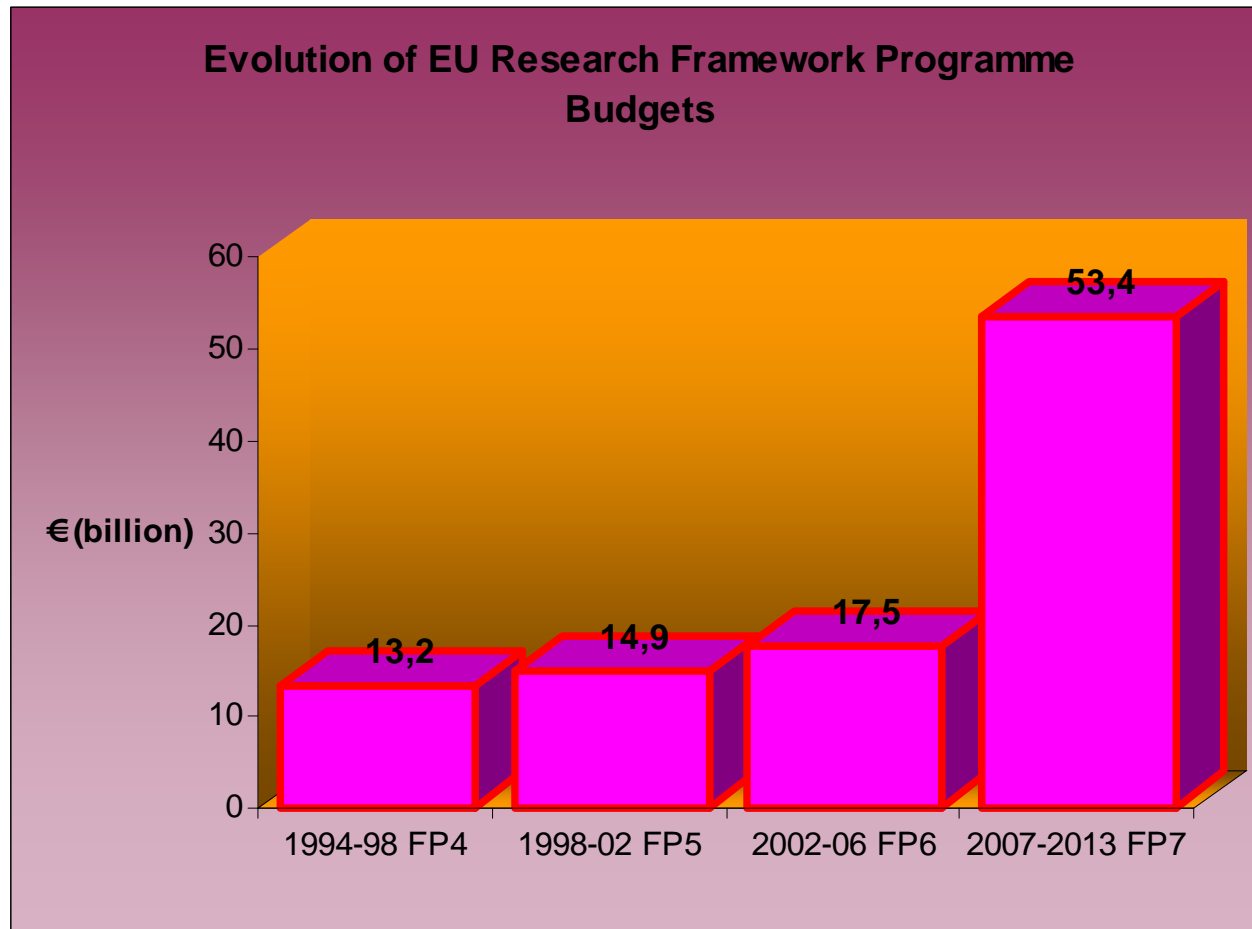
- Information about contents of programs, instruments of funding and proposal procedures
- Analysis of ideas – Search for right funding scheme
- Guidance for project planning and proposal writing
- Support in project management
- Cooperation with NCPs, GA of the MPG, KOWI and the EC
- Proposal check
- All Calls and relevant News via Email
- Newsletter
- Organisation of events and workshops

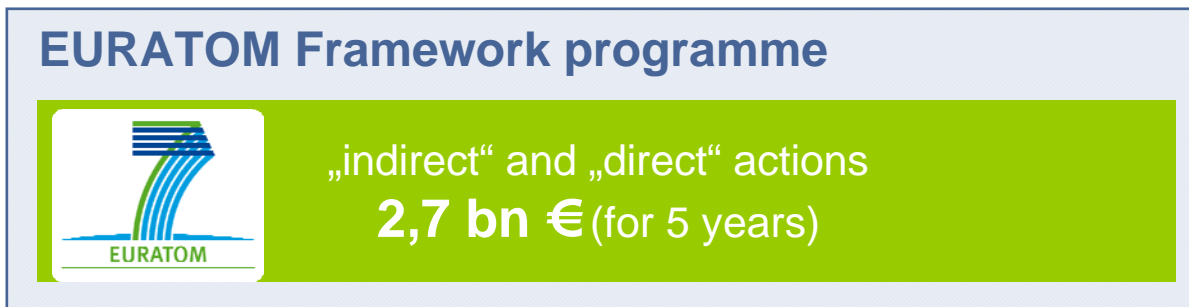
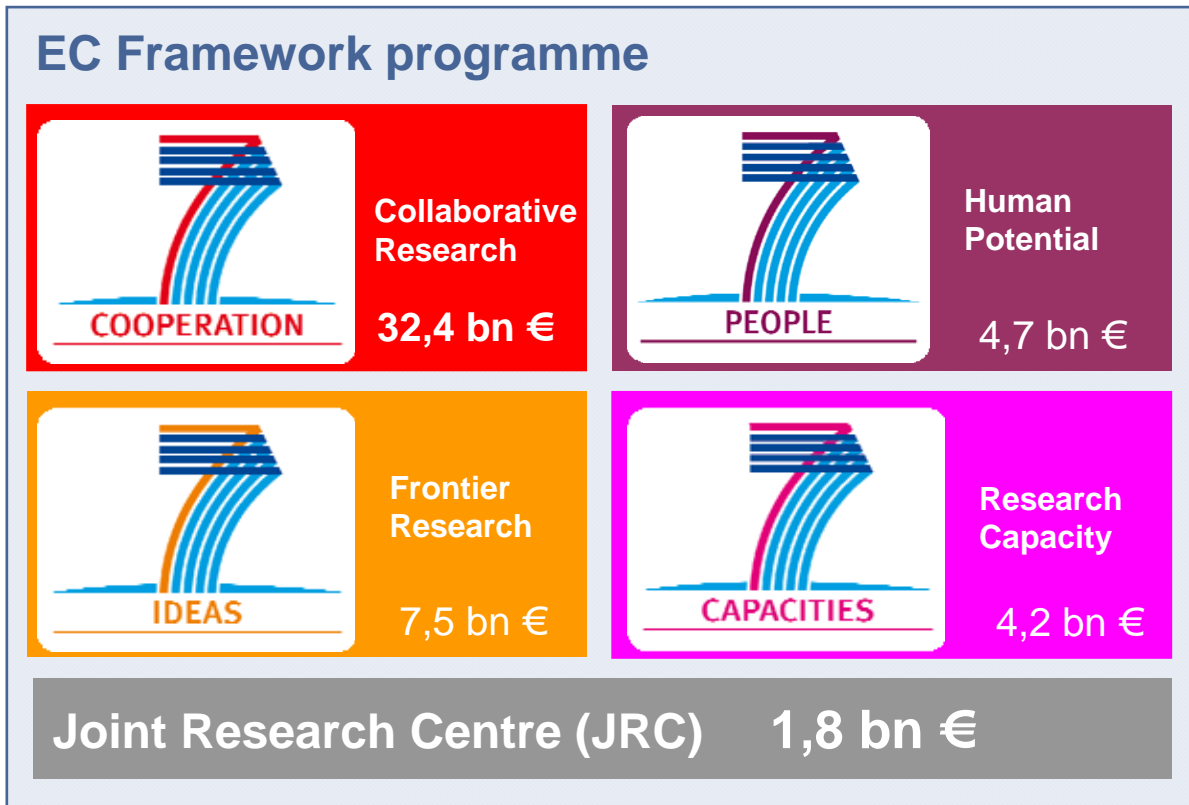
Advice in four languages: English, German, French, Spanish





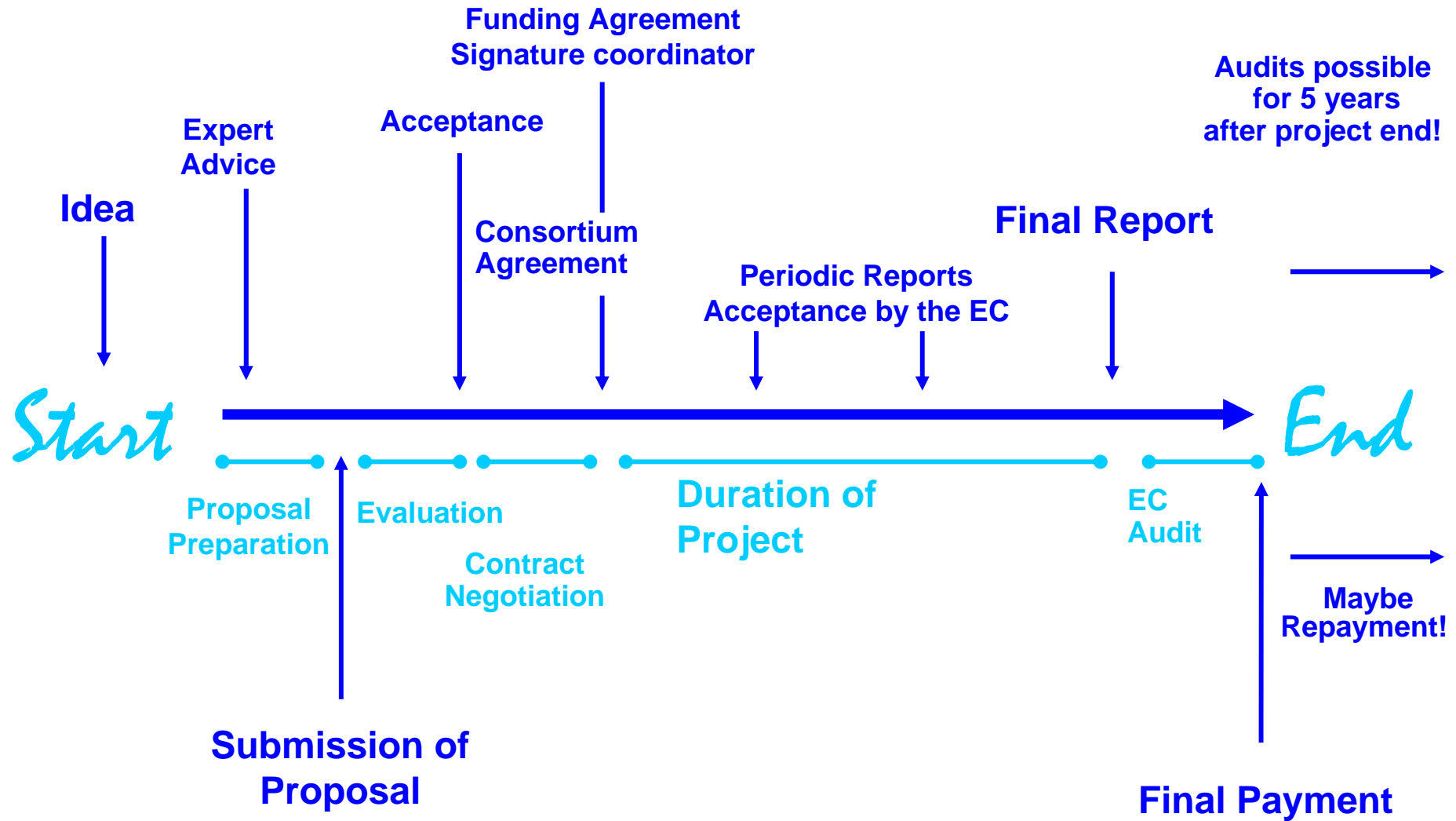
## Over 53 Billion Euros for Funding





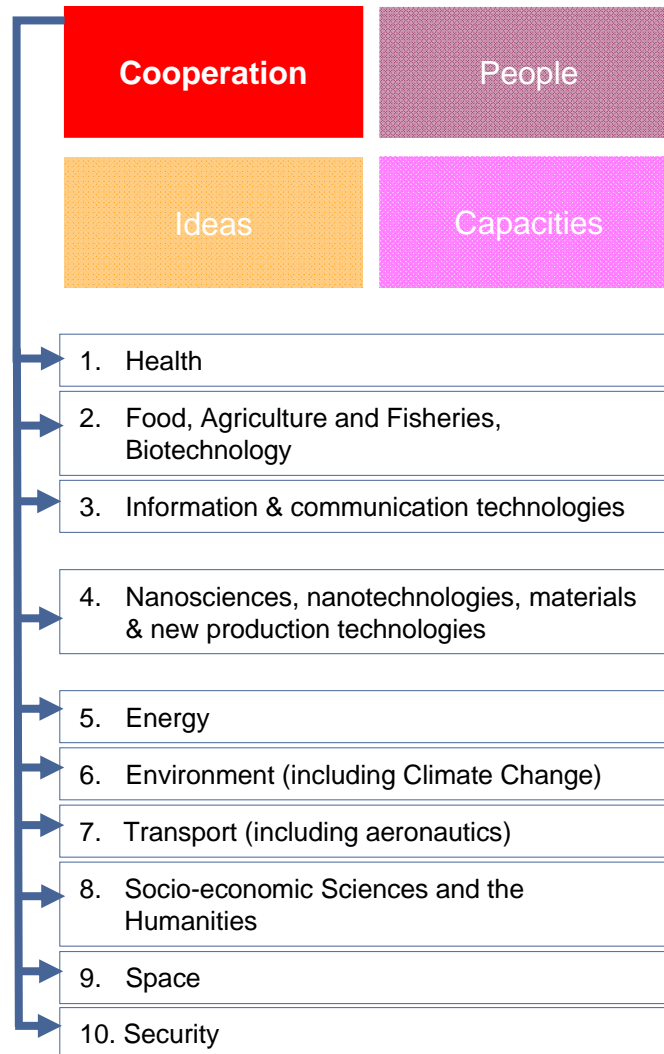
**Total**  
**53,3 bn €**

# Project Timetable







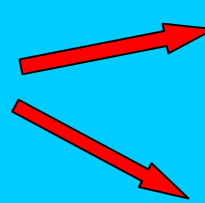


*„fostering collaboration between industry and academia to gain leadership in key technology areas.“*



## Collaborative research

**Collaborative Projects (CP)**



**Integrated Projects (IP)**

**Small and Medium Size  
Targeted Projects (STREP)**

**Networks of Excellence (NoE)**

**Coordination and Support Actions (CSA)**

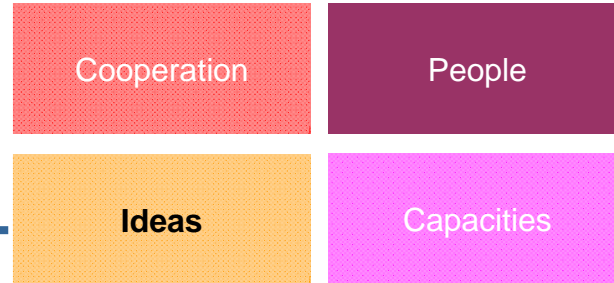
## Joint Technology Initiatives

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

## Coordination of national research programmes

ERA-Net, ERA-NET+, Article 169





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



- **ERC Starting Independent Researcher Grant (StG)**  
Next call: Summer 2008
- **ERC Advanced Investigator Grant (AdG)**  
Next call: Autumn 2008



European Research Council (ERC) is the first pan-European funding agency for Frontier Research:

- scientific excellence, autonomy, efficiency, transparency and accountability
- consists of an independent **Scientific Council** and a **Dedicated Implementation Structure** (ERC – DIS)
- Scientific Council establishes overall scientific strategy of the ERC, including the annual work programme
- 2 separate Sets of Peer Review Evaluation Panels (StG – AdG), distributed on 3 domains (Life Sciences, Social Sciences and Humanities, Physical Sciences and Engineering)
- 10 – 15 Experts per Panel
- Total budget of € 7.51 bn for 7 years (2007-2013)



- „Bottom-up“ frontier research: Investigator-driven, no pre-defined themes, in all fields of research
- Interdisciplinary
- high-gain/high-risk profile
- No commercial objectives
- Sole Criterium: scientific excellence
  
- Individual teams – excellent Principal Investigator
- PI applies together with host institution
- Budget ~ €1bn p.a.: 2/3 AdG, 1/3 StG
- Portability of grants
- Grant covers 100% of total eligible costs + <20% for indirect costs



- Young Researchers: 2 – 9 (?) years after PhD
- Support for establishing an independent team
- Scientific autonomy
- 0.5 - 2 Mio. Euro per grant
- Duration: up to 5 years
- Two stage submission process (?) + interview
- Restrictions for multiple applications

Only 3 % from over 9000 proposals got funded in last round



- Established independent research leaders at all career stages
- Excellent track record, significant research achievements during last 10 years
- Exceptional leadership profile
- Up to 3.5 Mio. Euro per grant
- Duration: up to 5 years
- One stage submission process
- Restrictions for multiple applications

997 proposals submitted to Physical Sciences and Engineering in first AdG call

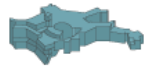


## **„Mathematics, physical sciences, information and communication, engineering, universe and earth sciences“**

- PE1 - Mathematical foundations
- PE2 - Fundamental constituents of matter
- PE3 - Condensed matter physics
- PE4 – Physical and Analytical Chemical sciences
- PE5 - Materials and Synthesis
- PE6 - Computer science and informatics
- PE7 - Systems and communication engineering
- PE8 - Products and process engineering
- PE9 - Universe sciences
- PE10 - Earth system science



Max Planck Institute  
for Astrophysics



**Galaxies through the cosmic ages: The role of primordial conditions and environmental effects**

**Theme:** ERC - Ideas

**Funding scheme:** Independent Researcher Starting Grant (StG)

**Call Identifier:** ERC – 2007- StG

**Participants:** 1 PI and his group

**Funding (requested):** 903 k €

**Start Date:** ?

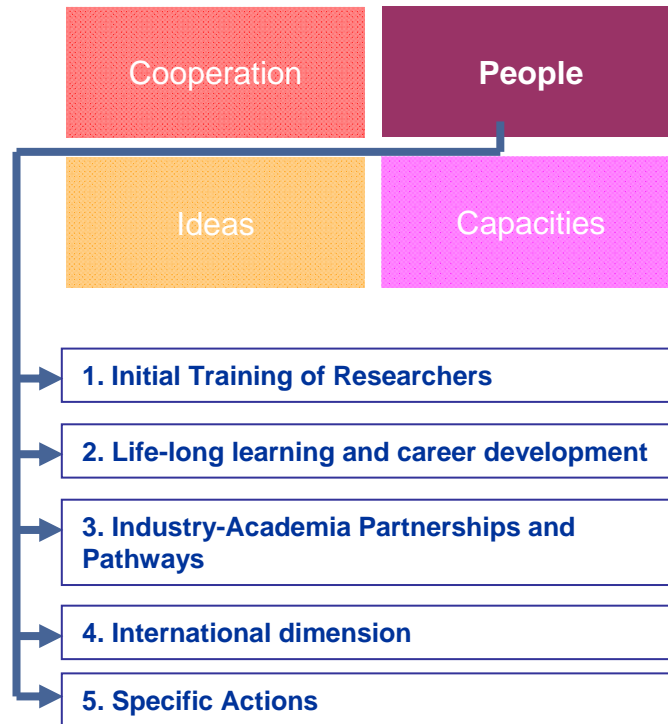
**Duration of the Project:** 5 years

**Participant in MPA:** Dr. Gabriella de Lucia

**Host Institution:** INAF – Astronomical Observatory of Trieste

One of 300 proposals which could be funded – currently on waiting list





*„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:

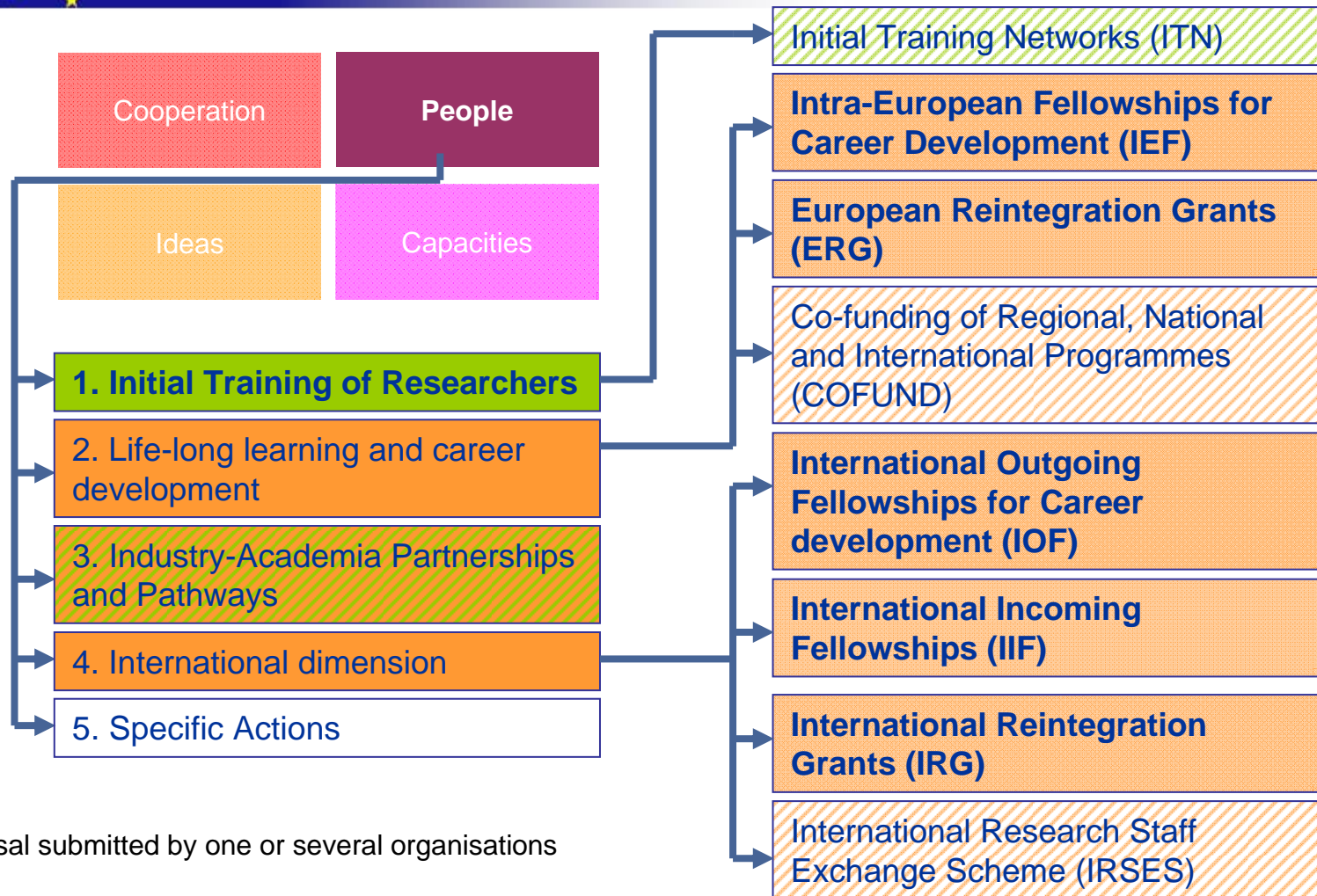
- are in the first four years (FTE) of their research careers (starting at the date of obtaining a degree which would formally entitle them to embark on a doctorate)


## Experienced researchers:


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

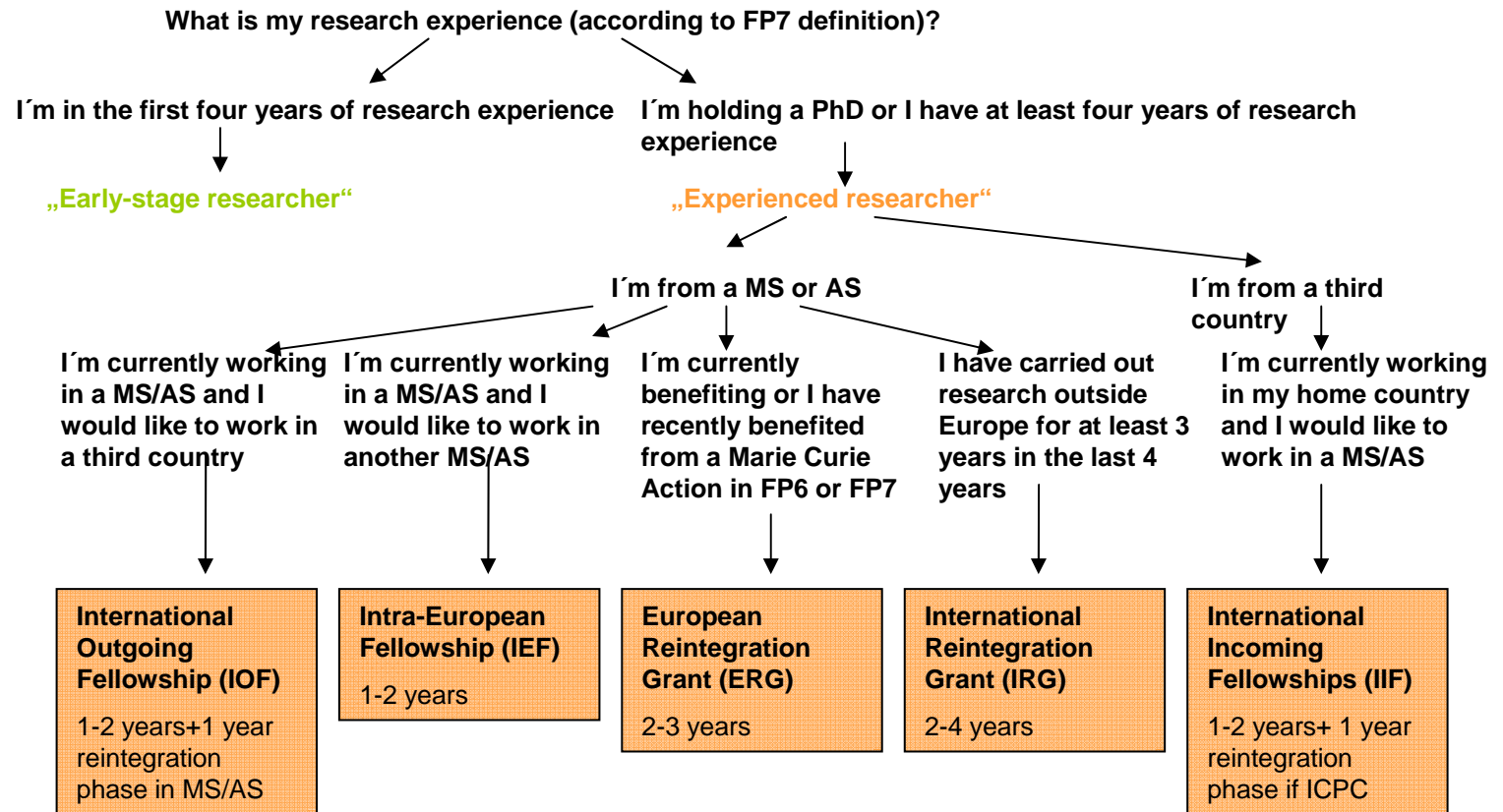
OR

- 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





- Objective: structure PhD training on a European level; improve research and complementary skills of researchers who are in the first five years of their career
- applicants: at least three legal entities (but: exceptions!) proposing a coherent research training programme

➔ **next deadline: 2 September 2008**



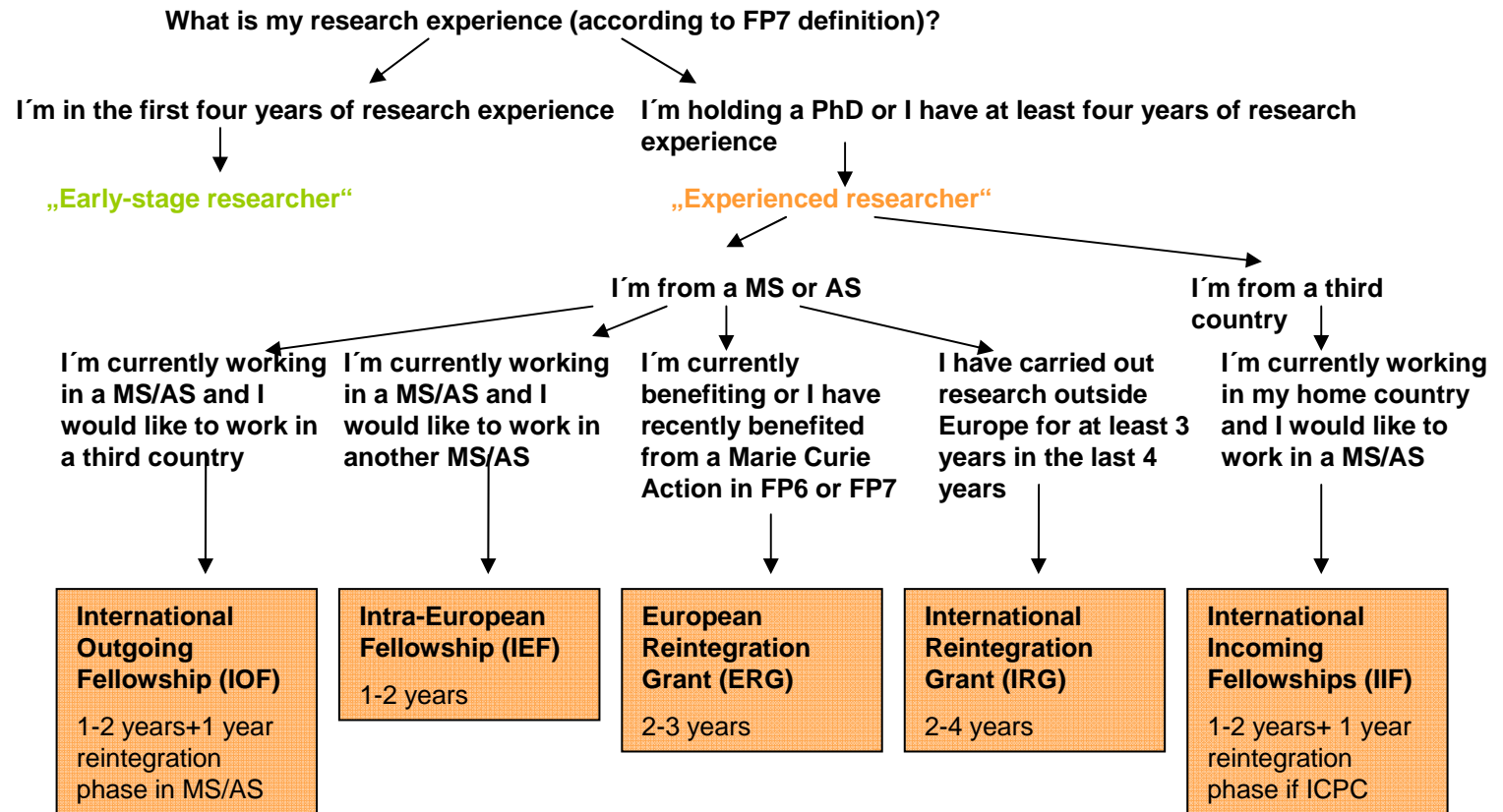


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## Rocky planets around cool stars (RoPACS)

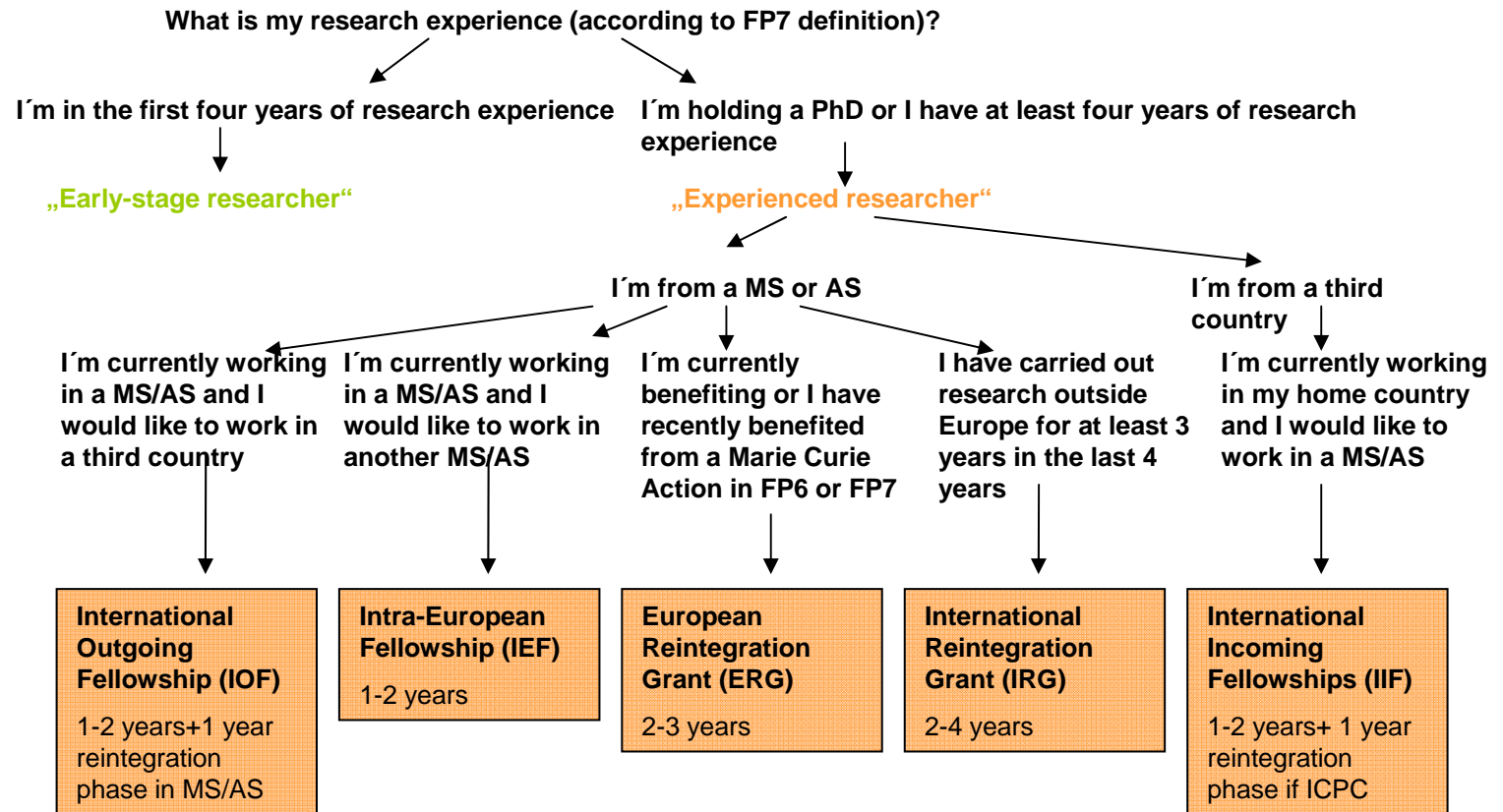
- **Specific programme:** People (Marie Curie Actions)
- **Funding scheme:** Initial Training Network
- **Call Identifier:** FP7-PEOPLE-2007-1-1-ITN
- **Number of participating organisations:** 7
- **Funding:** ~2.8 MEuros (~350 KEuros MPE)
- **Start Date:** Probably 1.10.2008
- **Duration of the Project:** 4 years
- **Coordinator:** Dr. D. Pinfield (Hertfordshire University)
- **Participant at MPE:** Dr. Roberto Saglia





- Objective: acquire new knowledge in a third country and bring it back to Europe
- 1-2 years research stay in third country and mandatory reintegration phase in MS or AS of 1 year
- PhD degree enough – more experience recommended

➔ **deadline: 19 August 2008**





- Objective: competence diversification, career development
- 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 deadline: 19 August 2008**



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## Unveiling galaxy assembly from next generation photometry (Photo-EV)

- **Specific programme:** People (Marie Curie Actions)
- **Funding scheme:** Intra-European Fellowship
- **Call Identifier:** FP7-PEOPLE-2007-2-1-IEF
- **Participants:** 1
- **Funding:**
- **Start Date:** 17th October 2008
- **Duration of the Project:** 24 months
- **Host institution:** Institut d'Astrophysique de Paris (IAP)
- **Name of fellow:** Vivienne Wild (MPA)

# Unveiling galaxy assembly with next generation photometry

- \* My expertise
  - \* Statistical analysis, large datasets, galaxy evolution
- \* The expertise of the host (Stephane Charlot)
  - \* Population synthesis models, dust models
- \* The expertise of the host institute (IAP, Paris)
  - \* Terapix: a large database for photometric surveys
- \* The near (2 year) future in extra-galactic astronomy
  - \* Huge photometric surveys, primarily for cosmology
  - \* Under-exploited for galaxy evolution studies
- \* The European Connection:
  - \* Population synthesis models, photo-z codes, leaders are European

# Recommendations

- \* Start Early

- \* Find a project which ties you with the host institute and the host

- \* Why is it **imperative** that you move to **this** institution?

- \* Why should Europe invest in **you**?

- \* What makes your project European (and not American)?

- \* Read previous successful applications

- \* **As many** as you can get your hands on!

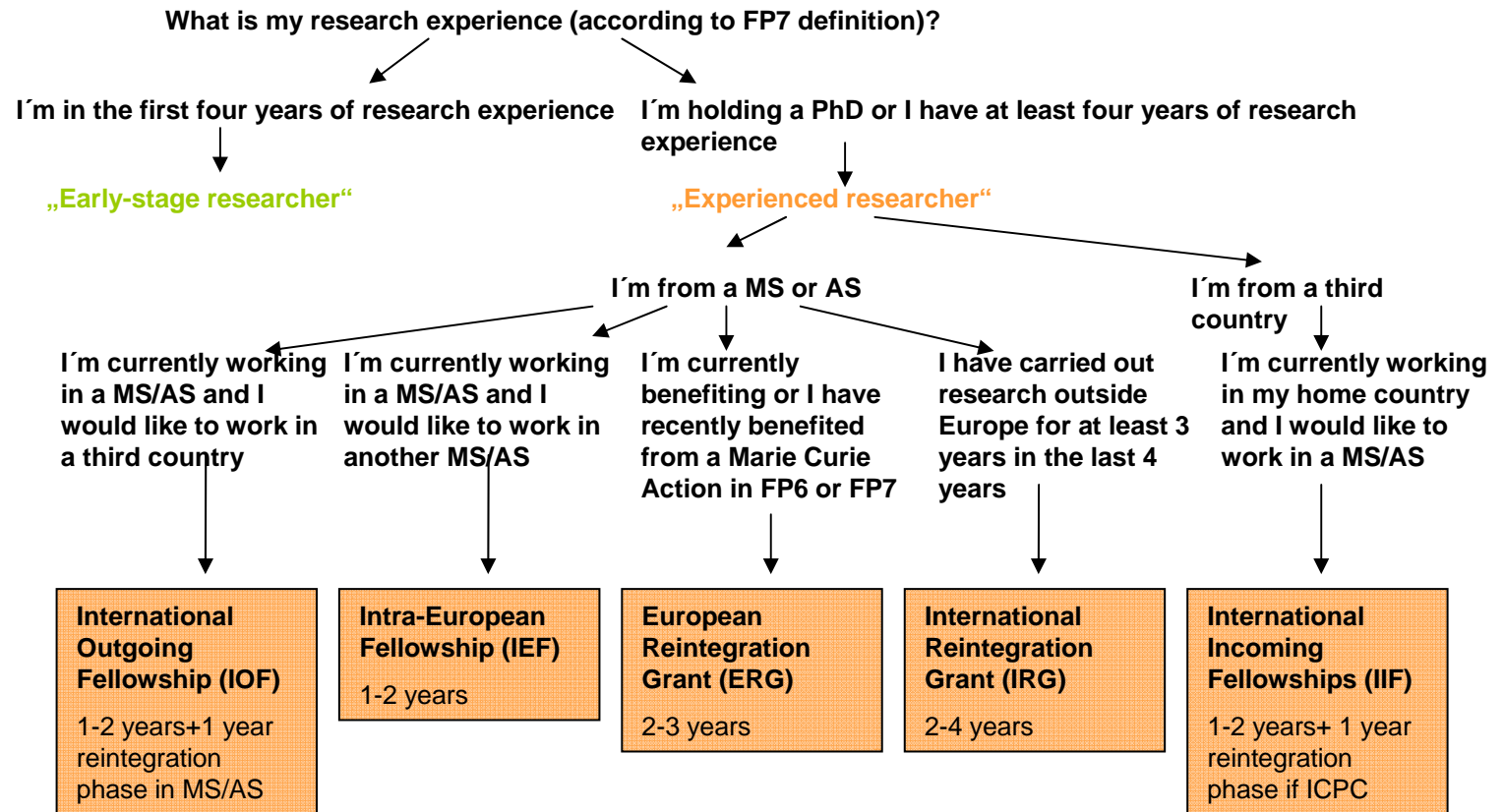
- \* The format of proposals remains almost the same for many years

- \* There's only really one answer to many of the questions.

- \* Follow the lay-out and answer **every question** fully

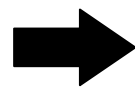
- \* Even when you have to say the same thing in **3 ways**.





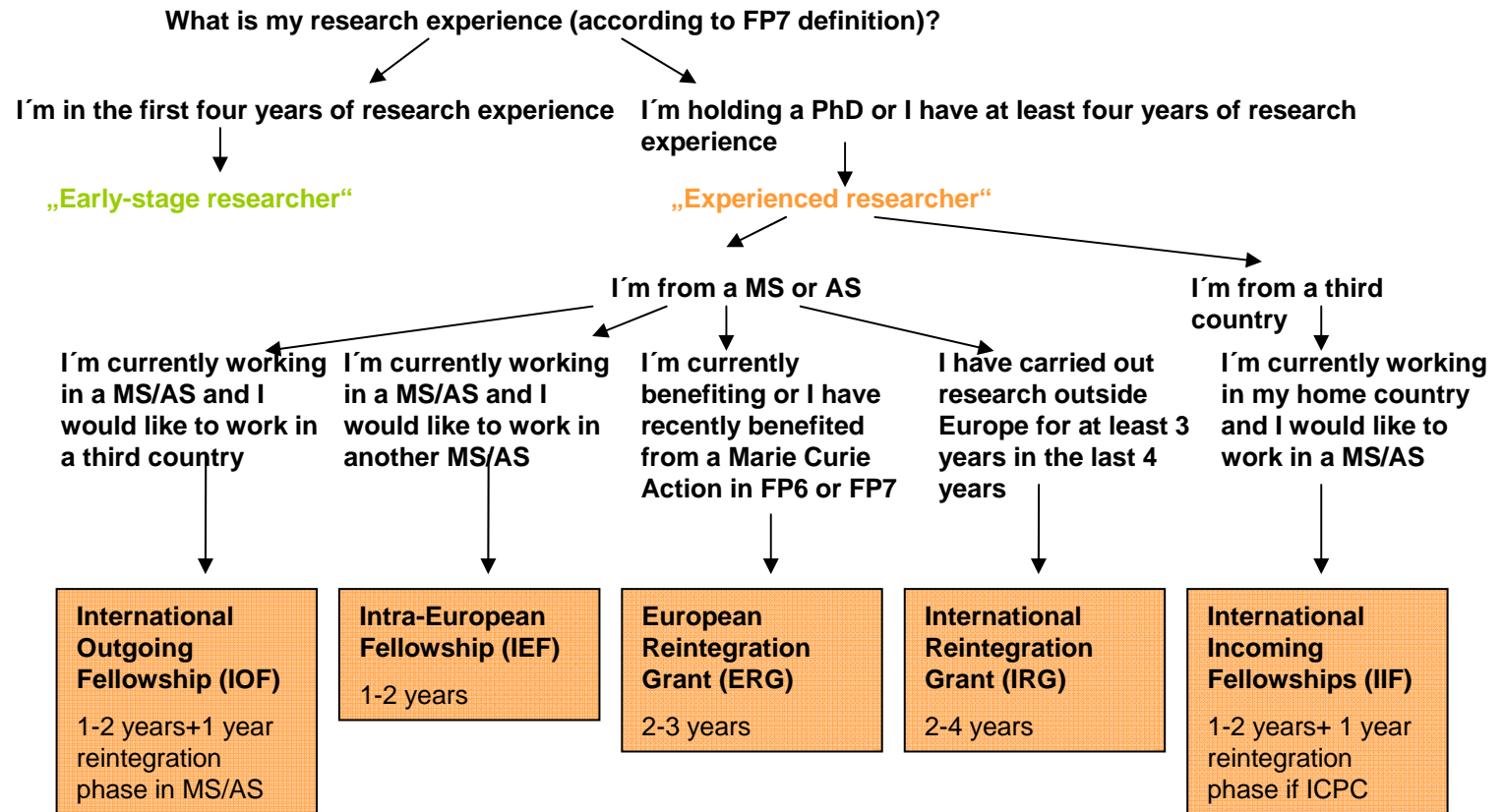


- Objective: (re)integration into a research career after a trans-national mobility experience; long-term employment in research
- duration of initial Marie Curie Action: at least 18 months
- apply at the earliest 1 year before and no later than 6 months after the end of the initial Marie Curie Action; project must start at the latest 12 months after the end of the initial fellowship



**next cut-off date: 8 October 2008**

*2 cut-off dates/year*

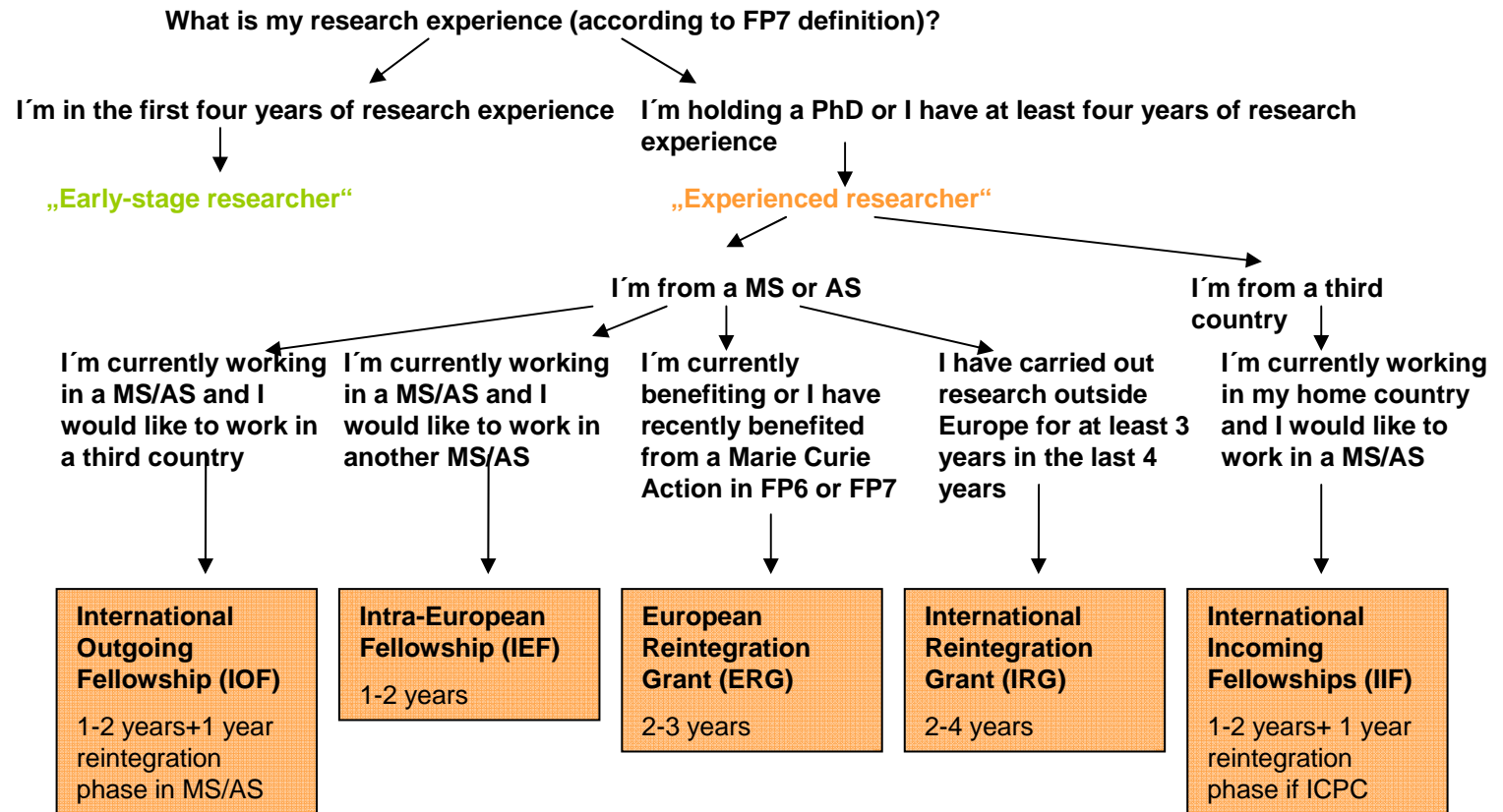




- Objective: encourage European researchers to reintegrate into a research career in Europe, reinforce cooperation with third countries

➔ next **cut-off date**: 8 October 2008

2 cut-off dates/year

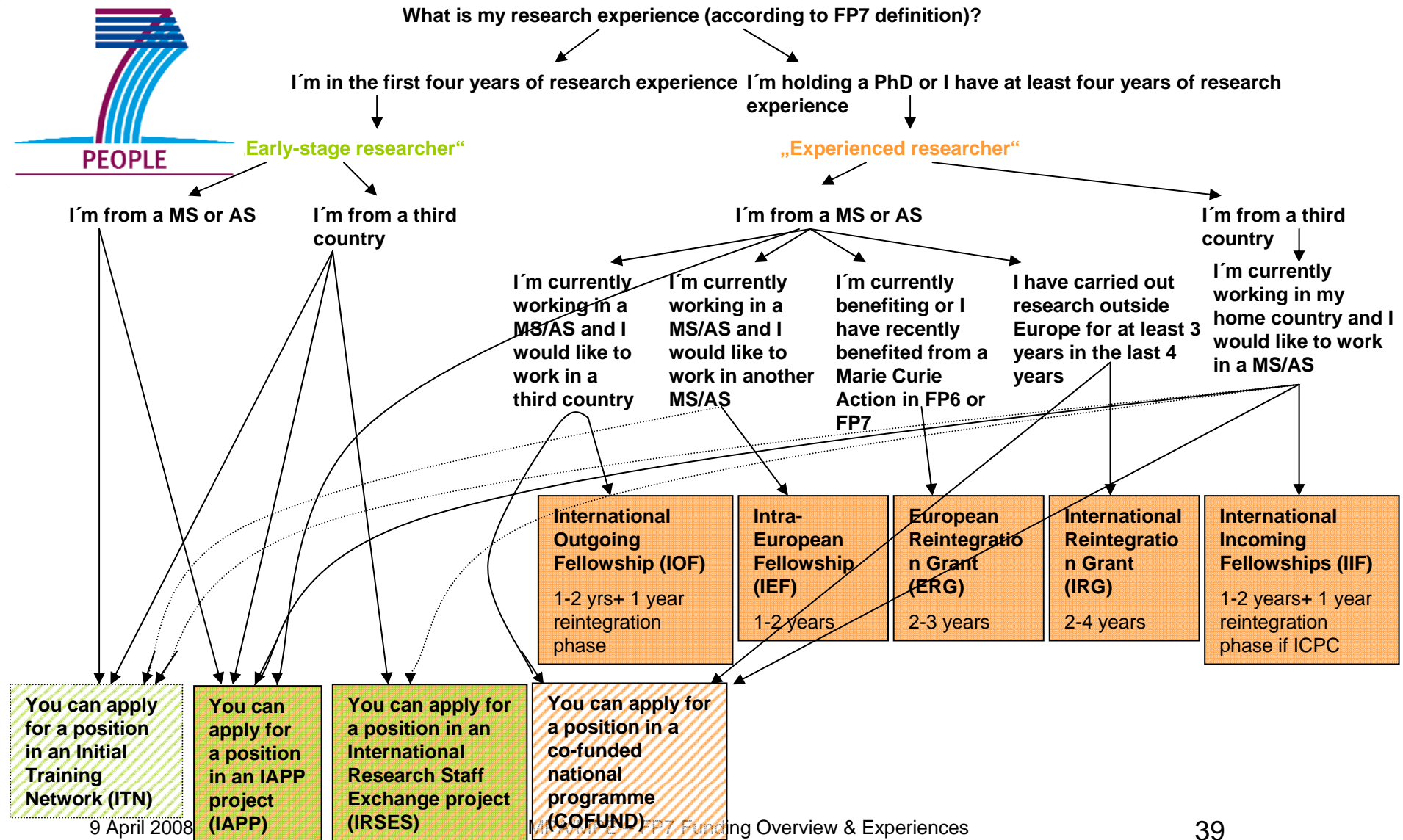




- Objective: encourage researchers from third countries to work in research projects in Europe, with the view to developing mutually beneficial research cooperations

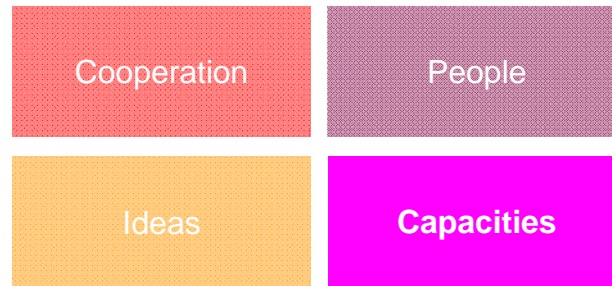
➔ **next deadline: 19 August 2008**

# All funding schemes









*„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



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

- [http://cordis.europa.eu/fp7/home\\_en.html](http://cordis.europa.eu/fp7/home_en.html)
- [www.forschungsrahmenprogramm.de](http://www.forschungsrahmenprogramm.de)
- [www.kowi.de](http://www.kowi.de)
- [www.eubuero.de](http://www.eubuero.de)
- [www.nks-ikt.de](http://www.nks-ikt.de)
- <http://ec.europa.eu/research/index.cfm>
- [www.ipr-helpdesk.org](http://www.ipr-helpdesk.org)
- [http://ec.europa.eu/eracareers/index\\_en.cfm](http://ec.europa.eu/eracareers/index_en.cfm)
- <http://www.eracareers-germany.de/>
- <https://cordis.europa.eu/emmfp7/> Permanent Call for Experts!

**Thank you for your attention!**

**...Questions??**

**Informationsveranstaltung**  
für das Regionalcluster Bayern der Max-Planck-Gesellschaft  
**Fördermöglichkeiten im**  
**7. Forschungsrahmenprogramm**  
**8. Mai 2008**

**Max-Planck-Institut ausländisches und internationales Sozialrecht, Amalienstr. 33,  
80799 München**

- 13:30 **Grußwort** - Prof. Dr. Ulrich Becker,  
Geschäftsführender Direktor, MPI für ausländisches und internationales Sozialrecht,  
München
- 13:45 **Research and scholarships funded by "Brussels"** –  
Dr. Werner Klotzbücher, MPI für bioanorganische Chemie, Mülheim an der Ruhr
- 15:15 Kaffeepause
- 15:45 **Der Europäische Forschungsrat** – Christiane Wehle, EU-Büro des BMBF/Nationale  
Kontaktstelle ERC, Bonn
- 17:00 **ERC Starting Grants: Erfahrungsbericht** – Dr. Reinhard Kienberger, MPI für  
Quantenoptik, Garching
- 17:45 Imbiss
- 18:00 Networking/Ausklang

**Bitte melden Sie sich bis zum 30.4.2008 per email an:**  
**[eubuero-bayern@mpg.mpg.de](mailto:eubuero-bayern@mpg.mpg.de)**