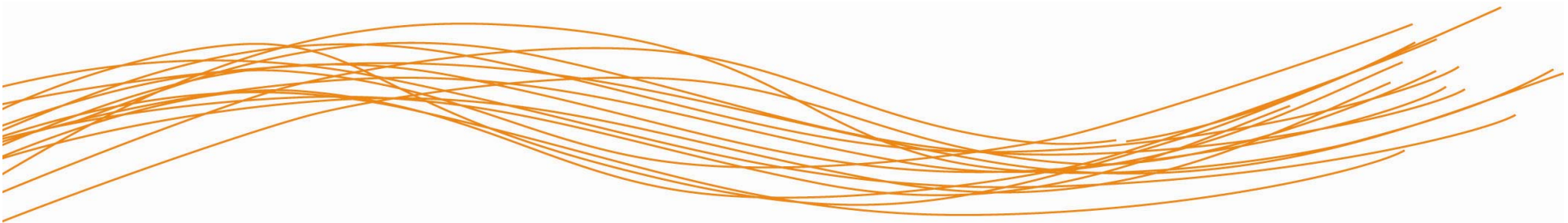


Research Infrastructures in FP7



Brigitte Weiss, DG RTD
ERA: Research Programmes and Capacity
Research Infrastructures Unit

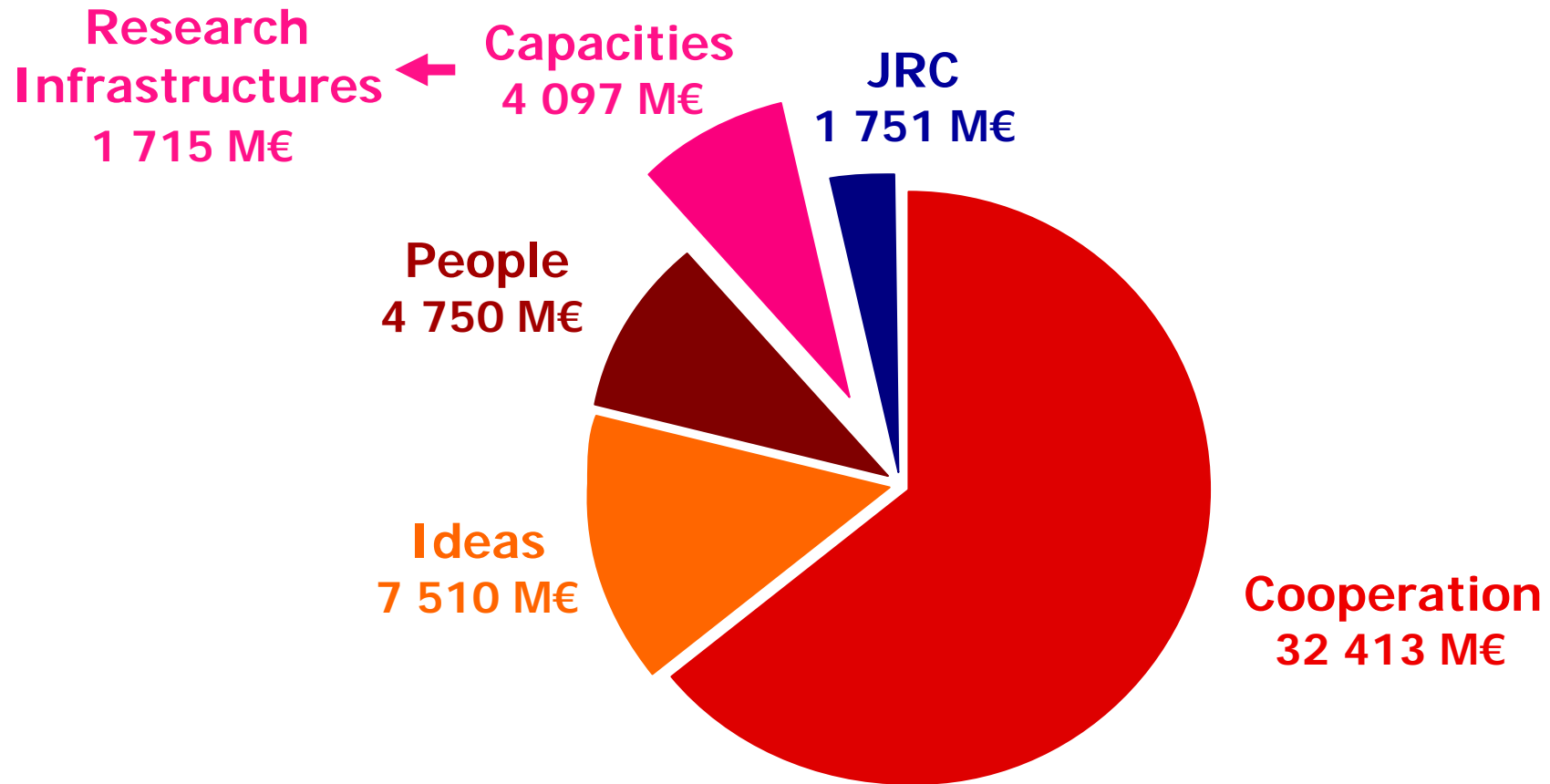




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The Seventh Framework Programme: 2007 - 2013



FP7 budget (50 521 M€)





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Research Infrastructures (incl. e-infrastructures) are:

- **Facilities, resources, and related services used by the scientific community for**
 - **Conducting leading-edge research**
 - **Knowledge transmission, exchange and preservation**

- **Today Research Infrastructures include**
 - **Major scientific equipment**
 - **Scientific collections, archives, structured information**
 - **ICT-based infrastructures**

- **Excellence of research services generally subject to periodic evaluation by international scientific committee**





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Importance of Community Research Infrastructure actions:

- to reduce European fragmentation and dispersion of existing facilities
- To stimulate vision, policy development and more international cooperation in certain fields
- To help developing a research market for access to and use of installations / research services



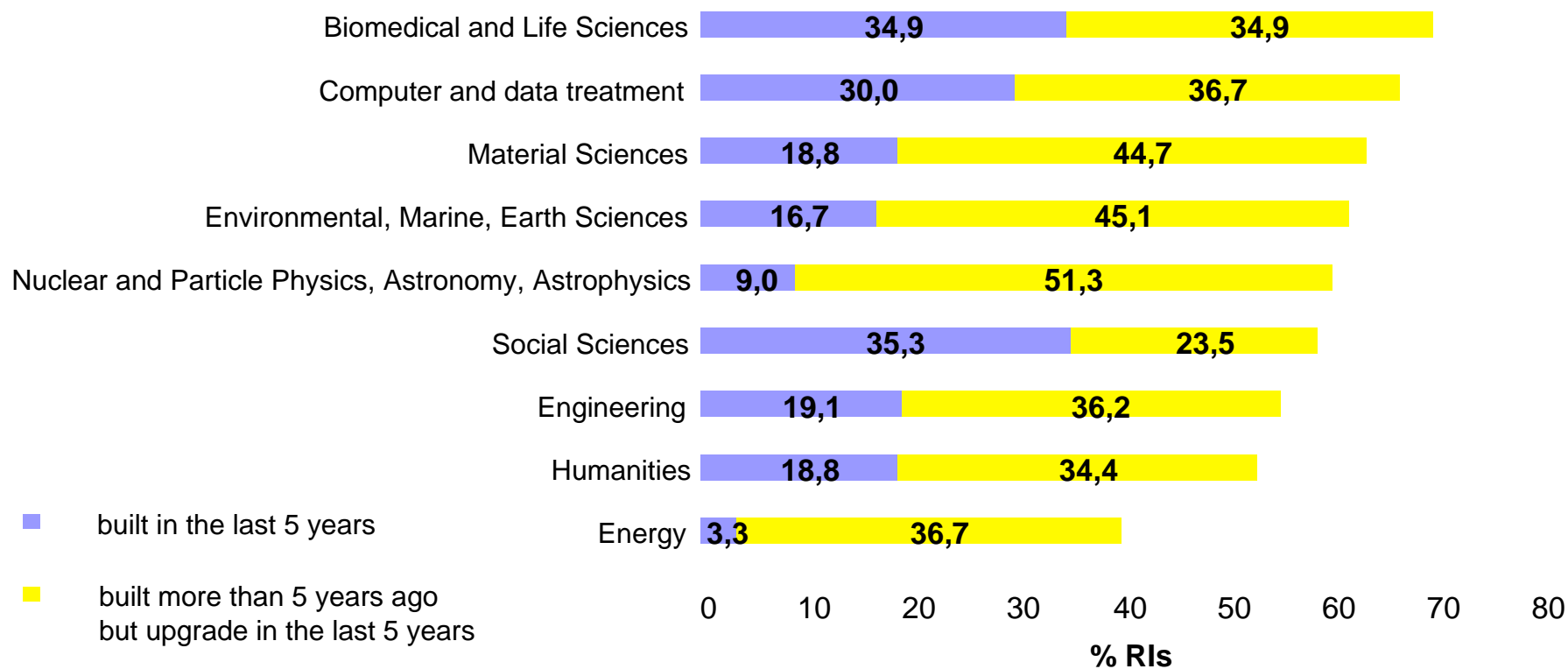


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Research Infrastructures' pattern is rapidly evolving in Europe

Share of RIs Built or Upgraded in the Last 5 Years





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RI policy at EU level has no other choice than continuing reinforcing coordination

- At EU level,
- At national and regional,
- At “variable geometry”,
- At global level...

*This explains the important
role of ESFRI and others...*



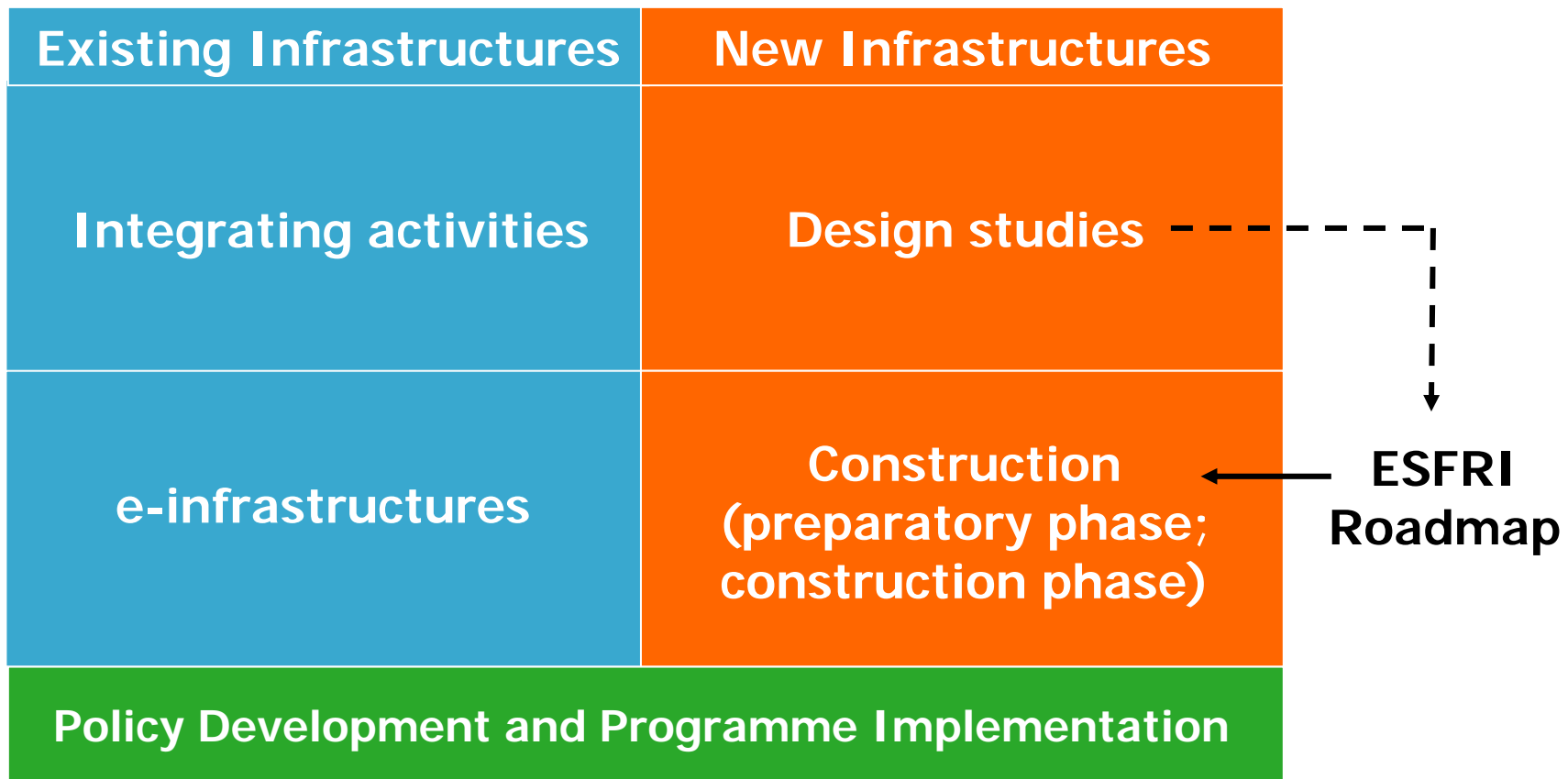
European Strategy Forum
on Research Infrastructures



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FP7 Research Infrastructures actions



ESFRI

The European Strategy Forum on Research Infrastructures (ESFRI) has been set-up to help developing a true European policy

- Launched in April 02 by Council of Research Ministers
- Representatives of the 27 Member and Associated States + one representative of the European Commission (EC)
- Links with e-IRG



Role of ESFRI

(and of its ad-hoc Working Groups)

- To foster an “open method of coordination” between different countries
- To discuss the long term vision at European level and to support the development of a European RI policy
- To bring initiatives and projects to a point where decisions by ministers are possible

First roadmap
in 2006

Update in
Dec 2008

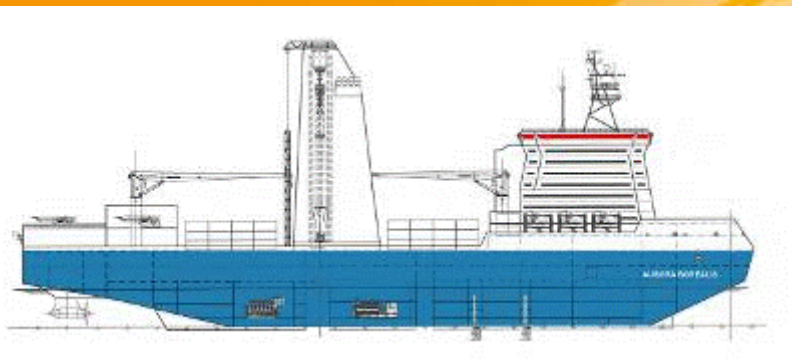
*A stimulation
and incubator role*

The ESFRI roadmap 2006

and FP7 Preparatory Phase

- 35 projects have been identified in the ESFRI roadmap 2006; 130 M€ EC funding
 - ➔ Aim of the Preparatory Phase project is to make the new research infrastructure a reality: start of construction
 - ➔ Legal, financial, technical work, governance, strategic issues
- Bring initiatives and projects to a point where decisions by ministers are possible

ESFRI - Environmental Sciences



AURORA BOREALIS



IAGOS-ERI

EUFAR



7 Projects

4 working-groups are preparing the 2008 update, evaluating proposals submitted through the ESFRI delegates



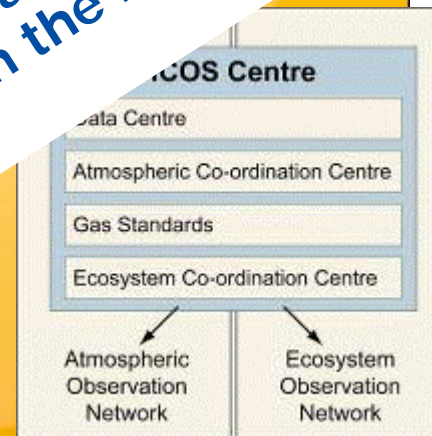
EURO-ARGO



EMSO



LIFEWATCH



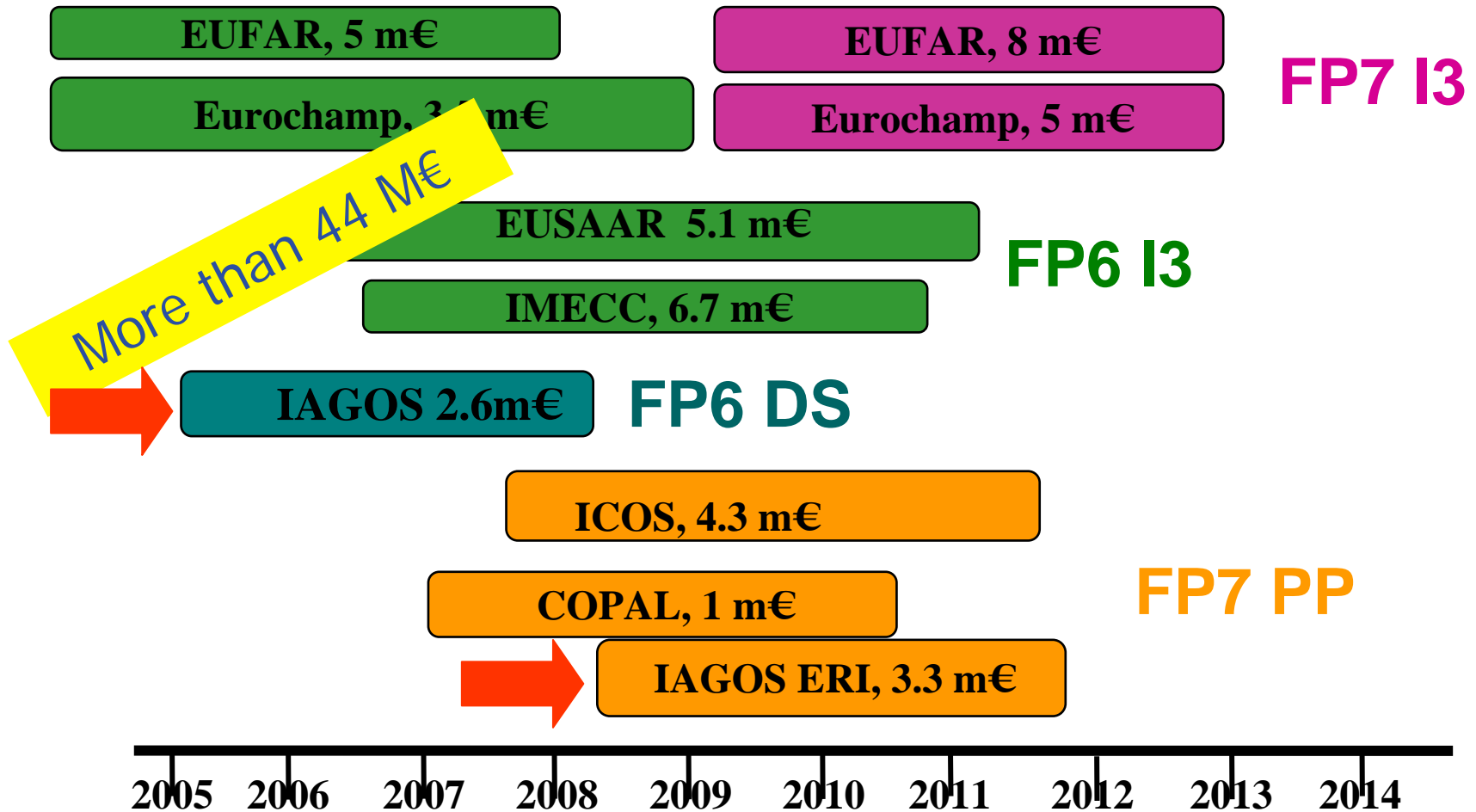
ICOS



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RIs for Env (Air Pollution) FP6-FP7 projects





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RIs for Env (Biodiversity) FP6-FP7 projects

More than 25 M€

FP6 I3

SYNTHESYS, 5 m€

INCREASE, 5.9 m€

SYNTHESYS, 7.2 m€

FP7 I3

Treebreedex, 2.8 m€

FP6 CA

LifeWatch, 5m€

FP7 PP





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RIs for Env (Climate Change) FP6-FP7 projects

More than 23 M€

IS-ENES 7.6 m€

FP7 I3

Earlinetasos 2.7 m€

FP 6 CA

EISCAT_3D, 2 m€

FP6 DS

Euro Argo 3 m€

Aurora Borealis, 4.5 m€

FP 7 PP

EMSO 3.9 m€

New RI(s) ...

2005 2006 2007 2008 2009 2010 2011 2012 2013 2014





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RIs for Env (Marine sciences) P6-FP7 projects

More than 26 M€

Eurofleets, 7.20m€

Mesaqua, 3.5 m€

BlackSeaScene, 3.4 m€

FP7 I3

SeaDataNet 8.7 m€

FP6 I3

BlackSeaSCENE, 2 m€

FP6 CA

CeMACE 1m€

FP6 CNI

DesignAct 0.5 m€

New RI(s) ...

2005 2006 2007 2008 2009 2010 2011 2012 2013 2014





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RIs for Env (Earthquakes) P6-FP7 projects

More than 22 M€

SERIES, 8.2 m€

FP7 I3

E-FAST, 2.6 m€

FP7 DS

NERIES, 12.1 m€

FP6 I3

New RI(s) ...

2005 2006 2007 2008 2009 2010 2011 2012 2013 2014



Planning of calls and indicative budget

Community research

| Total operational budget 1665 M€ | <i>Call 1 2007</i> | <i>Call 2 2007</i> | <i>Call 3 2008</i> | <i>Call 4 2008</i> | <i>Call 5 2009</i> | <i>Call 6 2010</i> | <i>Call 7 2012</i> |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Integrating activities | | | 278 | | | x | x |
| e-Infrastructures | 42 | 50 | | 113 | 4 | | x |
| Design studies | 31 | | | | | x | |
| Construction – Support to the Preparatory Phase | 147 | | | | | x | |
| Construction – Support to the Implementation Phase | RSFF (200 M€) | | | | | | |
| Policy Development and Programme Implementation | 8 | 14 | 4 | | 5.6 | x | x |
| Total per call (M€) | 228 | 64 | 282 | 113 | 9.6 | ~280 | |





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For further information

- ESFRI on CORDIS
<http://cordis.europa.eu/esfri/>
- FP7 and Capacities Specific Programme
<http://cordis.europa.eu/fp7/>
<http://cordis.europa.eu/fp7/capacities/>
- Research Infrastructures on CORDIS (FP6)
<http://cordis.europa.eu/infrastructures/>
- Research Infrastructures in Europa
<http://ec.europa.eu/research/infrastructures>

