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# FP7 2007 – 2013

## Specific Programmes

*Cooperation* – Collaborative research

*Ideas* – Frontier Research

*People* – Human Potential

*Capacities* – Research Capacity

+

JRC (non-nuclear)

JRC (nuclear)

Euratom



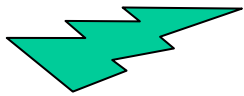


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# *Capacities* – Research Capacity

## Seven broad areas



- Research infrastructures
- Research for the benefit of SMEs
- Regions of Knowledge
- Research Potential
- Science in Society
- Coherent development of policies
- International Cooperation





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## Objectives of the FP7 Research Infrastructures actions

- Optimising the use and development of the best **existing research infrastructures** in Europe
- Helping to create in all fields of S & T **new research infrastructures** of pan-European interest needed by the European scientific community
- Supporting programme implementation and **policy development** (e.g. international cooperation)



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# FP7 Research Infrastructures actions

Existing Infrastructures

New Infrastructures

Integrating activities

Design studies

Indicative budget  
1000 M€

Indicative budget  
600 M€

e-infrastructures

Construction  
(preparatory phase;  
construction phase)

Policy Development and Programme Implementation

Indicative budget  
80 M€



# Integrating Activity in FP7

- 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
  - (1) *Networking Activities*
  - (2) *Trans-national Access and/or service activities*
  - (3) *Joint Research Activities*
- Based on the continuation of the successful FP6 instrument "**I3**"
- Project type: *combination of collaborative project & coordination and support action*

580 M€  
2007-2013  
Calls 3, 6, 7





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## *(1) Networking Activities*

- To foster a culture of **co-operation** between the research infrastructures and the related scientific communities
- **Forms of activities:**
  - ➔ Towards a common long-term **strategy** : foresight...
  - ➔ Towards **good practice**: exchange of personnel and visits, standards and quality...
  - ➔ Towards **the users**: training, feedback, coordination...
  - ➔ Towards **virtual research communities**: Web-sites, common softwares, databases, data management...
  - ➔ Setting up of **technical workshops**, forums, working groups and studies...



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## *(2) Trans-national Access and/or Service activities*

- Provide **trans-national access** to researchers or research teams to one or more infrastructures among those operated by the participants
  - ➔ "Hands on" access
  - ➔ Remote access: provision of reference material, sample analysis...  
*Remote access to distributed infrastructures: "trans-nationality" will not apply*
- Provide research infrastructures related services to the scientific community
  - ➔ Access to scientific services freely available **through communication networks**, e.g. databases available on the web



## *(2) Trans-national Access and/or Service activities*

- Provisions for **trans-national access** activities are defined in Annex III to the Grant Agreement
  - **Access costs** = **unit cost** x quantity of access provided (will not exceed 20% of costs of providing total access to the installation over the duration of the project)
  - An **estimated** unit cost will be specified in Annex I
  - EC financial contribution will be adjusted in the final financial statement (Form C) based on **real UC**
- Provisions for **access to services** freely available through communication networks
  - Defined in a special clause to the Grant Agreement
  - EC financial contribution for **access costs** will not exceed 20% of operating costs incurred



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## *(3) Joint Research Activities*

- Explore new fundamental technologies or techniques underpinning the efficient and joint use of the participating research infrastructures  
*To improve the services provided by the infrastructures (in quality and/or quantity)*
- **Forms of activities:**
  - Instrumentation / prototype development
  - Development of methods, protocols, standards...
  - Development of software, middleware, algorithm; Database creation, upgrade, curation...
  - Development and curation of samples



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# Next Calls for Proposals

- **Integrating Activities**

- Three Calls: **Sept 2009** (160 M€), **Jan 2011** (100 M€) and **Jan 2012** (90 M€)
- Max EC contribution: 10 M€/project
- A targeted approach: topics to be defined in consultation with experts, thematic priorities (Cooperation Programme) and the RI Program Committee

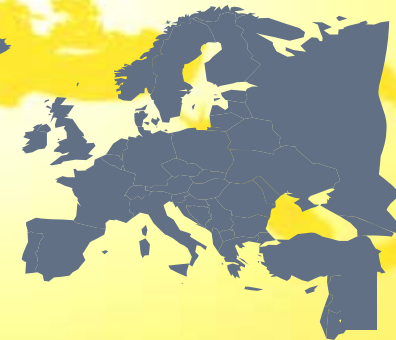
Disclaimer: Please note that dates for calls and indicative budgets are still under discussion and could be changed!



# 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)*

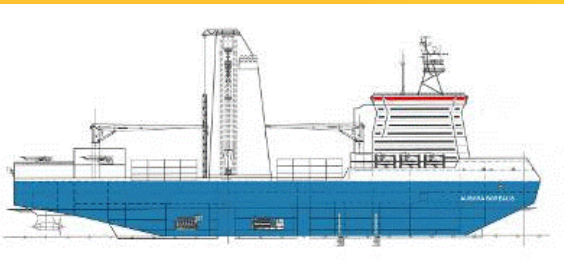
- To foster an “open method of coordination” between different countries
- To discuss the long term vision at European level and to support the development of a European RI policy
- To bring initiatives and projects to a point where decisions by ministers are possible

First roadmap  
in 2006

Update in  
Dec 2008

*A stimulation  
and incubator role*

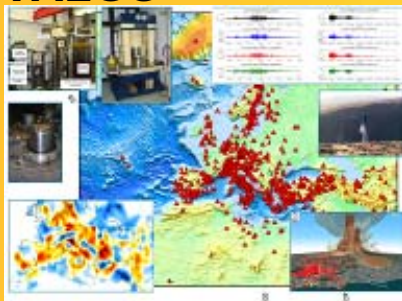
# Environmental Sciences



AURORA BOREALIS



SIAEOS



EPOS

IAGOS-  
ERI



EUFAR  
COPAL



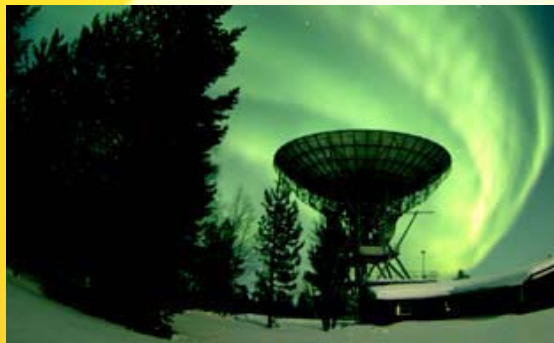
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ARGO



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WATCH

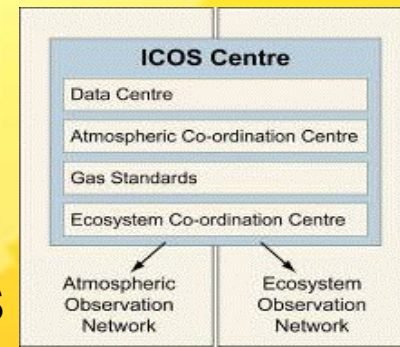


EMSO



EISCAT

ICOS



10 Projects



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# Useful RI links

- **FP7 and Capacities Specific Programme**

<http://cordis.europa.eu/fp7/>

- **Research Infrastructures on CORDIS (FP6)**

<http://cordis.europa.eu/infrastructures/>

<http://cordis.europa.eu/ist/rn/>

- **ESFRI Homepage**

<http://cordis.europa.eu/esfri/home.html>

<http://www.e-irg.org>

- **The 2008 up-date of the Roadmap :**

[ftp://ftp.cordis.europa.eu/pub/esfri/docs/esfri\\_roadmap\\_update\\_2008.pdf](ftp://ftp.cordis.europa.eu/pub/esfri/docs/esfri_roadmap_update_2008.pdf)

- **Research Infrastructures in Europa**

<http://ec.europa.eu/research/infrastructures>

