



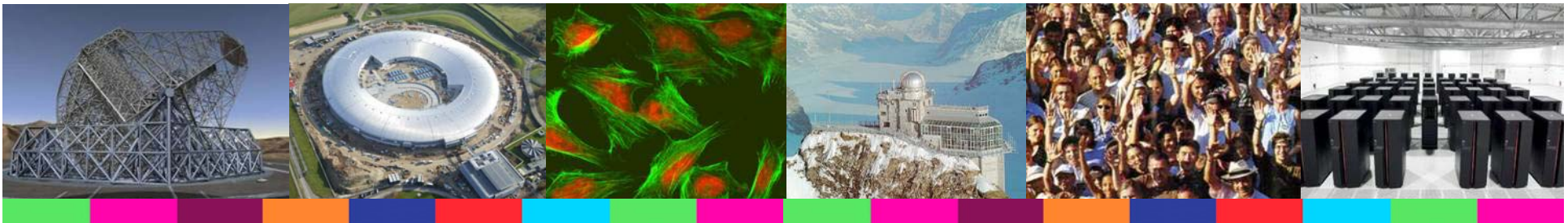
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# FP7-INFRASTRUCTURES-2011-1

(DRAFT - pending the adoption of the 2011 Work Programme)

European Commission, DG Research, Capacities, Unit B.3





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# Definition of Research Infrastructures

- **Facilities, resources, and related services used by the scientific community for**
  - **Conducting leading-edge research**
  - **Knowledge transmission, knowledge exchange and knowledge preservation**
- **They include**
  - **Major scientific equipment**
  - **Scientific collections, archives and structured information**
  - **ICT-based infrastructures “e-Infrastructures”**
  - **Other entities of a unique nature, used for research**

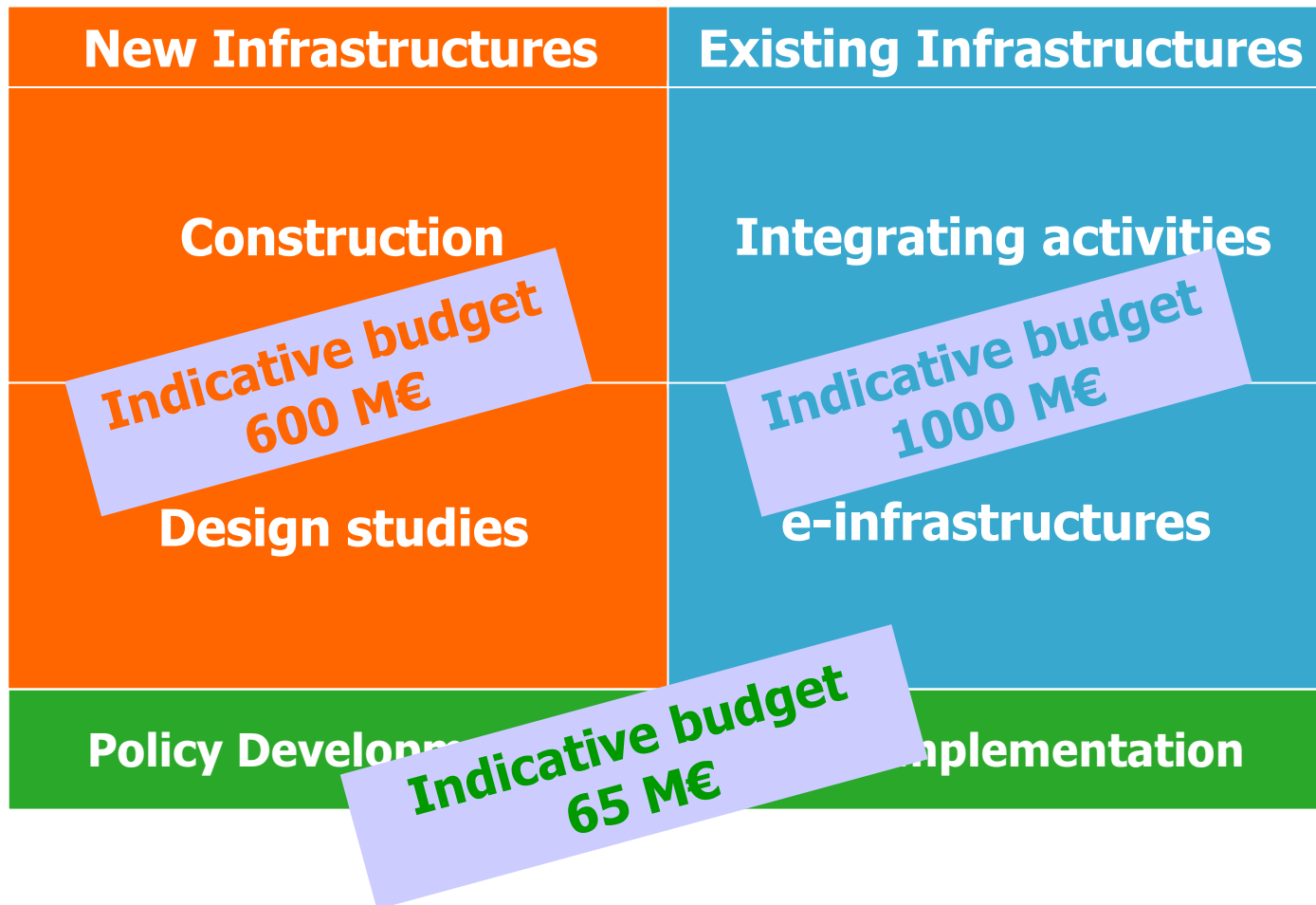




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# FP7 Research Infrastructures actions





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# Upcoming call FP7-INFRASTRUCTURES-2011-1

New Infrastructures	Existing Infrastructures
<b>Construction: Implementation Phase 30 M€</b>	<b>Integrating activities 100 M€</b>
<b>Design studies 20 M€</b>	e-infrastructures
<b>Policy Development / Programme Implementation 9 M€</b>	





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# Indicative timetable

- **Publication of call** **30 July 2010**
- **Deadline for submission** **25 November 2010**  
**17:00 (Brussels time)**
- **Evaluation of proposals** **Dec. 2010 – Feb. 2011**
- **Sending of evaluation summary reports (ESR)** **March 2011**
- **Invitation letter to launch negotiation** **May 2011**
- **First grant agreements** **From autumn 2011**





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# Integrating Activities

- **Objective**

- To bring together and integrate, on a European scale, key research infrastructures in a given class, in order to promote their coordinated use and development

- **Partnership**

- Normally all major existing research infrastructures in Europe in one field. At least 3 MS or AS

- **Funding**

- EU contribution up to 10 M€ (4 years)

- **Mandatory activities**

- Networking Activities

- Trans-national Access and/or Service Activities

- Joint Research Activities





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# Integrating activities

## Topics

- A list of **23 defined topics**, focused on strategic priorities
- **Each topic corresponding to one project**
- Both for the follow-up of the Research Infrastructure action and for the opening to new communities
- More topics published than can be funded to ensure **competition**





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# Integrating activities

## List of topics (1)

### ● Social Sciences and Humanities

- **INFRA-2011-1.1.1. Language Resources and Tools for cross-disciplinary research in social sciences and humanities.**
- **INFRA-2011-1.1.2. European Data Infrastructure for multidisciplinary research in the socio-economic behaviour of individuals and households, related to sustainability policy, climate change policy and environmental risk.**
- **INFRA-2011-1.1.3. Integrating Digital Archives and Resources for Research on Medieval and Modern European History.**
- **INFRA-2011-1.1.4. Integrating Archives for research on Contemporary European Social History.**





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# Integrating activities

## List of topics (2)

### ● Life Sciences

- **INFRA-2011-1.1.5. Facilities and resources for multinational clinical trials.**
- **INFRA-2011-1.1.6. Facilities and resources for protein structure determination at synchrotron radiation sources.**
- **INFRA-2011-1.1.7. Life sciences bio-molecular data resources and services.**
- **INFRA-2011-1.1.8. Facilities and resources for plant phenotyping.**
- **INFRA-2011-1.1.9. Facilities and services for livestock physiology and phenomics.**





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# Integrating activities

## List of topics (3)

- **Environmental Sciences and Earth Sciences**
  - **INFRA-2011-1.1.10. Research Infrastructures for Carbon Cycle Observations.**
  - **INFRA-2011-1.1.11. Integrated non-CO2 greenhouse gas Observing Systems.**
  - **INFRA-2011-1.1.12. Integrated observatories and centres for marine and freshwater biodiversity and for long-term ecosystems research.**
  - **INFRA-2011-1.1.13. Research infrastructures for forestry research.**
  - **INFRA-2011-1.1.14. Multidisciplinary Marine Data Centres.**
- **Energy**
  - **INFRA-2011-1.1.15. Research Infrastructures for thermo-chemical biomass conversion.**
  - **INFRA-2011-1.1.16. Research Infrastructures for Hydrogen & Fuel Cells facilities.**





# Integrating activities

## List of topics (4)

### ● **Materials and Analytical Facilities**

- **INFRA-2011-1.1.17. Infrastructures for Neutron Scattering and Muon Spectroscopy. (Max. EU contribution: 15 M€)**
- **INFRA-2011-1.1.18. Synchrotron radiation sources and Free Electron Lasers. (Max. EU contribution: 15 M€)**
- **INFRA-2011-1.1.19. Laser sources.**

### ● **Physics and Astronomy**

- **INFRA-2011-1.1.20. Research Infrastructures for hadron physics: Studying the properties of nuclear matter at extreme conditions.**
- **INFRA-2011-1.1.21. Research Infrastructures for advanced radio astronomy.**
- **INFRA-2011-1.1.22. Research Infrastructures for optical/IR astronomy.**
- **INFRA-2011-1.1.23. Research Infrastructures for astroparticle physics: High energy cosmic rays, multi-messenger approach.**





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# Design Studies

- **Objectives**

- **Conceptual design** of new research infrastructures (or major upgrade), which are of clear European dimension and interest.

- **Activities**

- **Address all the key questions concerning the scientific, technical and financial feasibility** of a new or enhanced infrastructure, laying down its conceptual foundations.

- **Funding and partnership**

- **Typically 2-5 M€**. Open to all fields of science and technologies. At least 3 MS or AS.





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# Implementation Phase

- **Objectives**

- ➔ **To ensure a larger harmonisation and interoperability between ESFRI facilities, to exploit synergies, to optimise technological implementation.**

- **Topics**

- ➔ **INFRA-2011-2.3.1 to INFRA-2011-2.3.4, covering "Social Sciences and Humanities", "Life sciences", "Environmental Sciences" and "Physics and Analytical Facilities".**

- **Partnership**

- ➔ **Representatives of the ESFRI infrastructures that have sufficiently progressed in their preparatory phase and that have ensured clear commitments for their construction**

- **Funding: EC contribution up to 15 M€**





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# Support to policy development and programme implementation

- To strengthen the development of a **European policy for research infrastructures** and to address specific needs for **international cooperation** in this field
- Three topics
  - ➔ **INFRA-2011-3.1: ERA-NET** supporting cooperation for research infrastructures in all S&T fields
  - ➔ **INFRA-2011-3.2: Coordination and support actions** to international cooperation for research infrastructures in all fields of S&T
  - ➔ **INFRA-2011-3.3: Study** for the development of a possible EU action on scientific instrumentation





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# Contact persons

- **National Contact Point**

- [http://cordis.europa.eu/fp7/get-support\\_en.html](http://cordis.europa.eu/fp7/get-support_en.html)

- **General information on call (@ec.europa.eu)**

- Anna-Maria.Johansson or Annika.Thies (call coordinators)

- **Specific actions or fields (@ec.europa.eu)**

- **Social Sciences and Humanities:** Maria.Theofilatou, Lorenza.Saracco

- **Life Sciences:** Jean-Emmanuel.Faure, Brigitte.Sambain

- **Environmental Sciences:** Agnes.Robin

- **Energy:** Brigitte.Weiss

- **Materials/Analytical facilities:** Christos.Profilis, Hugues.Crutzen

- **Physics/Astrophysics:** Christian.Kurrer, Elena.Righi-Steele

- **Implementation Phase:** Lorenza.Saracco

- **Support to policy development:** Maria.Douka

