

Ageing Research Funding Opportunities in EU FP7

The Nuts and Bolts of FP7

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Framework Programme 7

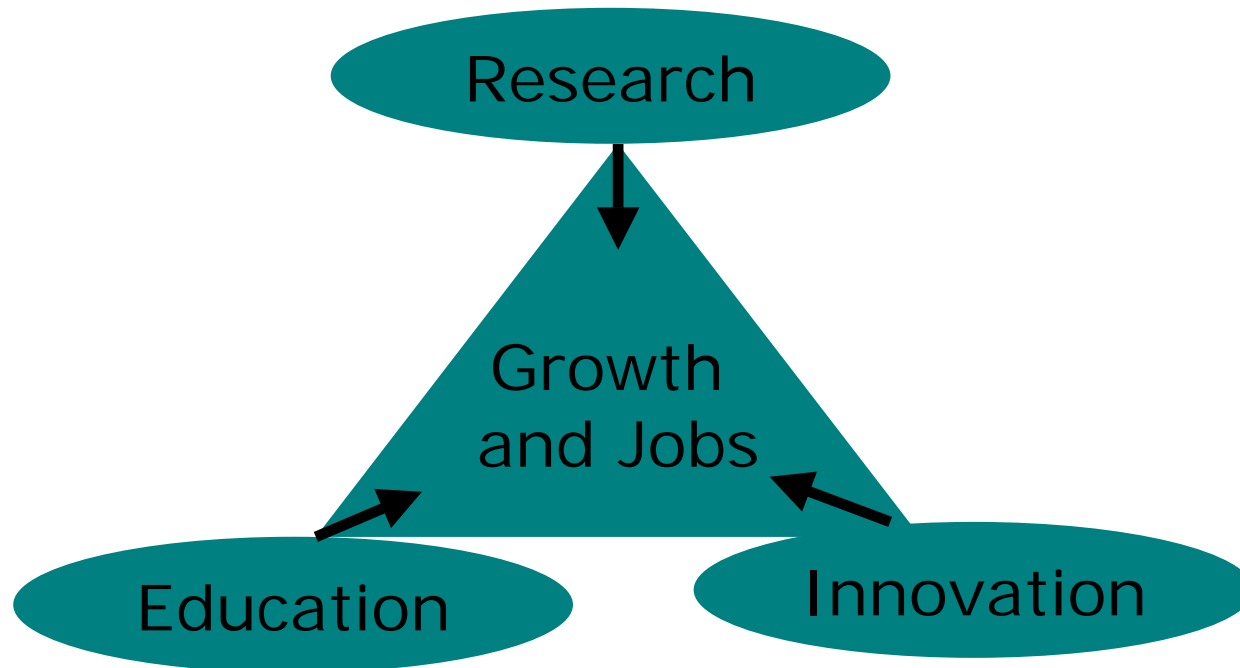
- **What is FP7?**
- **What funding opportunities are available?**
- **How to obtain further information**

What is FP7

- **The European Framework Programme for Research, Training and Development FP7 2007-2013**
- **FP7 is designed to achieve European objectives and goals and to complement activities in Member States**
- **Aims towards creation of a 'European Research Area' and the 'Lisbon' objective**
- **Designed to respond to Europe's employment needs and competitiveness**

Lisbon Strategy

- S&T contributes to the Lisbon objectives: economic growth, employment creation, environmental protection, social challenges, fight poverty, improve human health and quality of life.



Benefits of research at European level

- **Pooling resources**
 - Assembling critical mass
 - Enabling 'big science'
 - Leverage private investment
- **Integration of research**
 - Addressing pan-European challenges
 - Coordinating national and regional policies
 - Conducting comparative research at EU level
 - Disseminating research results more widely
- **Excellence in research**
 - Supporting research careers and mobility of researchers
 - Creating world class centres of excellence
 - EU level competition to increase quality and creativity
- **Addressing Specific Needs**
 - Orphan research

What is FP7

- **Replaces FP6, which ended in December 2006. FP7 was launched in January 2007**
- **7 year programme**
- **Budget of €50 521 million. 63% increase from FP6 (at current prices)**

What's new in FP7

- **Focus on developing research that meets the needs of European industry, through the work of Technology Platforms and the new Joint Technology Initiatives**
- **Establishment of a European Research Council, funding the best of European science**
- **Integration of International cooperation in all four programmes**
- **Development of Regions of Knowledge**
- **A Risk-Sharing Finance Facility aimed at fostering private investment in research**

FP7 cross-cutting issues

- **International cooperation**
- **Research infrastructures**
- **Cross cutting policy research**
- **SME participation**
- **Dissemination and knowledge transfer**
- **Science in society**

How does FP7 work?

Split into 'Specific Programmes'

Co-operation – Collaborative Research €32,365m

Ideas – Frontier Research €7,460m

People – Human Potential €4,728m

Capacities – Research Capacity €4,217m

+Joint Research Centre €1, 751m

Co-operation – Collaborative Research (€32 365 million)

- **10 thematic research areas**
- **European priority driven – top down research. Scientific support to policy**
 - transnational cooperation, from collaborative projects and networks to the coordination of research programmes
 - international cooperation between the EU and third countries is an integral part of this action

Cooperation Thematic Areas

1	Health	€6 050 M
2	Food, Agriculture and Biotechnology	€1 935 M
3	Information Communications Technologies	€9 110 M
4	Nanosciences, Nanotechnologies, Materials and new Production Technologies	€3 500 M
5	Energy	€2 300 M
6	Environment (including Climate Change)	€1 900 M
7	Transport (including Aeronautics)	€4 180 M
8	Socio-Economic Sciences and Humanities	€ 610 M
9	Space	€1 350 M
10	Security	€1 430 M

FP7 Funding Schemes - Cooperation

FP6 Instruments

Integrated Projects



Specific Targeted
Research Projects



Networks
of Excellence



Coordination
Actions



Specific Support
Actions



FP7 Funding Schemes

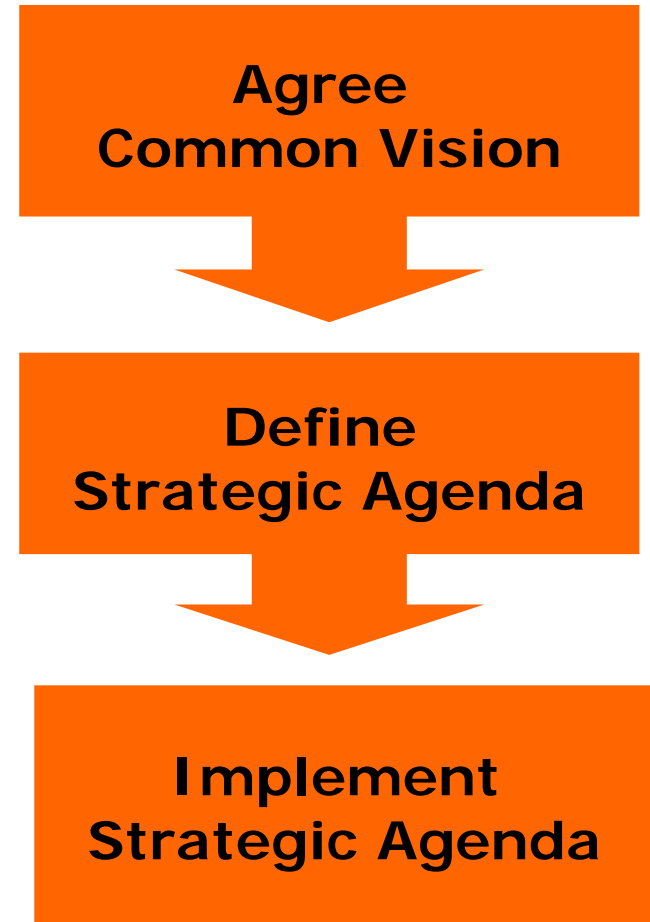
Collaborative
Projects

Networks of
Excellence

Coordination and
Support Actions

Cooperation - ETPs

- **European Technology Platforms**
- **Industry-led stakeholder forums that are independent from the European Commission**
- **Ensure industrial relevance**
- **There are around 30 ETPs at present.**



Ideas - Frontier Research (€7 460 million)

- **Formation of European Research Council**
- **New to FP7**
- **to enhance competition at EU level for 'Frontier Research'**
- **'bottom up' approach – no preference for any research area**
- **scientific excellence as the sole criterion for funding – 20 panels**

- **First call will be for 'Starting Independent Researcher Grants' launched at the beginning of 2007**
- **For 'independent' researchers who are more than 2 but less than 9 years away from award of their PhD**
- **To be followed by launch of 'Advanced Investigator Grant' in summer 2007.**

ERC First Call Key Facts

Starting Independent Researcher Grant	
Budget	€287 million euros (approx 200 grants)
Eligibility	<ul style="list-style-type: none">• Between 2 and 8 years post PhD (some allowance for maternity and other reasons)• Any nationality but must be based in EU or Associated State• Any legal entity
Project Size	€100,000 to €400,000 per year up to 5 years
Funding	100% eligible direct costs; up to 20% eligible indirect costs
Deadline	25 April 2007

Ideas - Evaluation

- **Evaluation carried out by the Scientific Council of the ERC**
- **Panel Chairs 'internationally recognised, senior scientists in their field'**
- **Panel Members 'senior scientists in their field, actively pursuing research at the front line'**
- **ERC currently putting together panel memberships**

ERC Life Sciences Panels

- LS1** **Molecular, cellular and developmental biology**
- LS2** **Genetics, genomics, bioinformatics and systems biology**
- LS3** **Organism physiology, including infection and immunity**
- LS4** **Neurosciences**
- LS5** **Evolutionary, population and environmental biology**
- LS6** **Applied medical and health sciences**
- LS7** **Applied biology and bioengineering, including agricultural sciences and biotechnology**

ERC Social Sciences Panels

- SH1** Individuals and organisations: Economics, management, demography, geography, urban and environmental studies
- SH2** Institutions, behaviour, values and beliefs: Anthropology, sociology, political sciences, law, communication, social studies of science and technology
- SH3** The human mind and its complexity: Cognition, linguistics, psychology and philosophy
- SH4** Cultures and cultural diversity: Literature, visual and performing arts, music and cultural studies
- SH5** The study of the past and cultural artefacts: Memory, history and archaeology

ERC Physics and Engineering Panels



PE1 Mathematical foundations

PE2 Fundamental constituents of matter

PE3 Structures and reactions

PE4 Material sciences

PE5 Information and communication

PE6 Engineering sciences

PE7 Universe sciences

PE8 Earth system science

People – Human Potential (€4 728 million)

- To make Europe more attractive to researchers
 - Encouraging people to become researchers
 - Encouraging researchers, from Europe and the whole world, to carry out their research in Europe
- Structuring effect on the European Research Area through transnational and intersectoral mobility in order to create a European labour market for researchers

- **Marie Curie Actions**
 - **Initial training of researchers (Research Training Networks)**
 - **Life-long training and career development**
 - **Industry-academia pathways and partnerships**
 - **International dimension**

Initial training of researchers

- **Trans-national networking mechanism**
- **Aims to structure a substantial share of the high-quality initial research training capacity**
- **Primarily focused on scientific and technological knowledge through research on individual projects, complemented by training modules (eg. management)**

Life-long training and career development

- Experienced researchers
- Acquisition of multi- or interdisciplinary skills/ inter-sectoral experiences
- Can be used after a career break or for reintegration after a mobility experience
- Implementation
 - Individual intra-European fellowships
 - Co-funding of regional, national or international programmes

Industry-academia partnerships and pathways

- **Trans-national co-operation programmes between organisations from both sectors**
 - **Staff secondments**
 - **Temporary hosting of experienced researchers from outside partnerships**
 - **Workshops and conferences**
 - **Small equipment contributions (SMEs only)**

The international dimension

- **Outgoing international fellowships (with mandatory return)**
- **Incoming international fellowships**

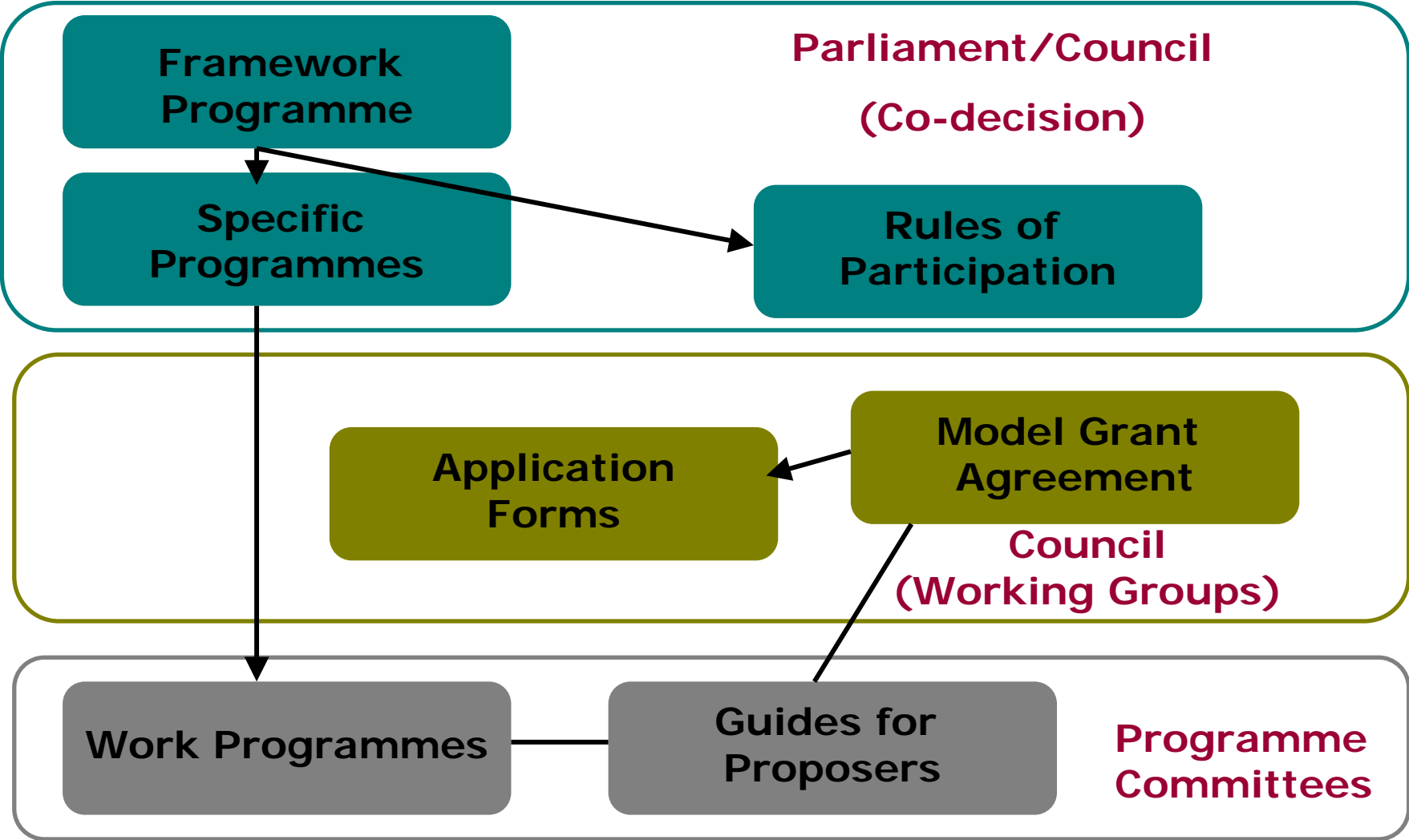
Capacities – Research Capacity (€4 217 million)

- **Enhancing research and innovation capacities throughout Europe**
- **Ensuring their optimal use and development**

Capacities

- **Research Infrastructures**
 - **Improving access to existing infrastructures and assisting in design of new infrastructures**
- **Research for the Benefit of SMEs**
- **Regions of Knowledge**
- **Research Potential**
- **Science in Society**
- **International Co-operation**

FP7 Key Documents



Key Websites

EU Strategy for Growth and Jobs – (the Lisbon objectives)

http://ec.europa.eu/growthandjobs/index_en.htm

DG Research

http://ec.europa.eu/research/index_en.cfm

IPR FP6 to FP7

http://ec.europa.eu/research/fp7/pdf/ipr_prov_expl_en.pdf

Cordis

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

FP7UK

<http://fp6uk.ost.gov.uk/fp7/Default.aspx>

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