



EUROPEAN
COMMISSION

Community research

The Future of EU Research

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Outline



1. Brief history of the Framework Programme and main evolutions
2. Framework Programme : the institutional process
3. Context of the debate about the future of EU research
4. Timeline



1. Brief history of the FP – Main evolutions



EU research: the story so far



- 
- 1952:** ECSC treaty; first projects started March 1955
 - 1957:** Euratom treaty; Joint Research Centre set up
 - 1983:** ESPRIT programme
 - 1984:** **First** Framework Programme (1984-1987)
 - 1987:** **'Single European Act' – science becomes a Community responsibility;**
Second Framework Programme (1987-1991)
 - 1990:** **Third** Framework Programme (1990-1994)
 - 1993:** Treaty on European Union
 - 1994:** **Fourth** Framework Programme (1994-1998)
 - 1998:** **Fifth** Framework Programme (1998-2002)
 - 2000:** **Lisbon strategy, European Research Area**
 - 2002:** **Sixth** Framework Programme (2002-2006)
 - 2003 :** **3 % objective** and 3 % action plan
 - 2005:** Proposal for the **Seventh** Framework Programme
 - 2006:** **Seventh** Framework Programme adopted and launched
 - 2007 :** Re-launch of the European Research Area initiative
 - 2008-2009 :** ERA initiatives, ERA governance
 - 2009 :** **Lisbon Treaty** enters into force
 - 2010 :** **EU-2020**, FP7 interim evaluation, Review of financial perspective, Communication on simplification



Objectives of Community research policy

■ Art 179 Lisbon Treaty :

- *strengthening the scientific and technological bases of European industry*
- *encouraging it to become more competitive at international level*
- *by achieving a European Research Area*
- *promote all research deemed necessary by other chapters of the Treaty*

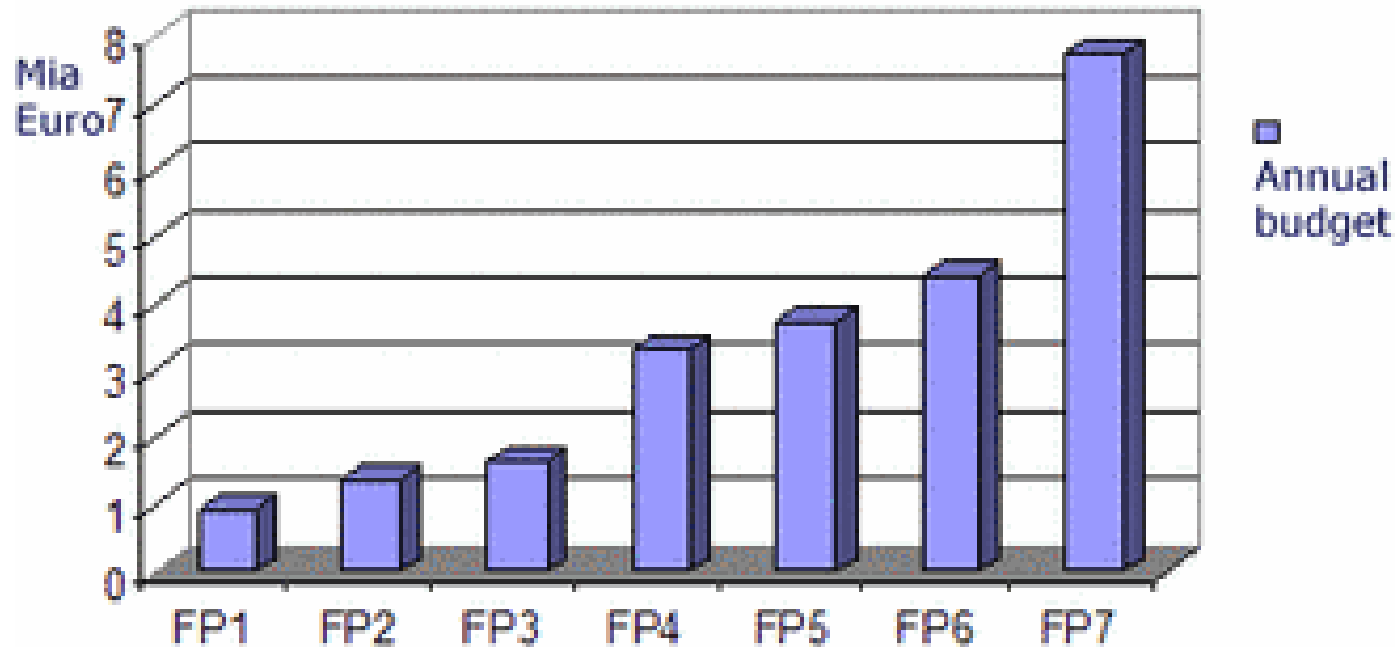
■ Art 180 Lisbon Treaty :

- *cooperation between undertakings, universities and research centres*
- *cooperation with third countries and international organisations*
- *dissemination of results*
- *stimulation of training and mobility of researchers*



Framework Programme: evolutions

- increased funding, but still only minor fraction of total public R&D funding in EU

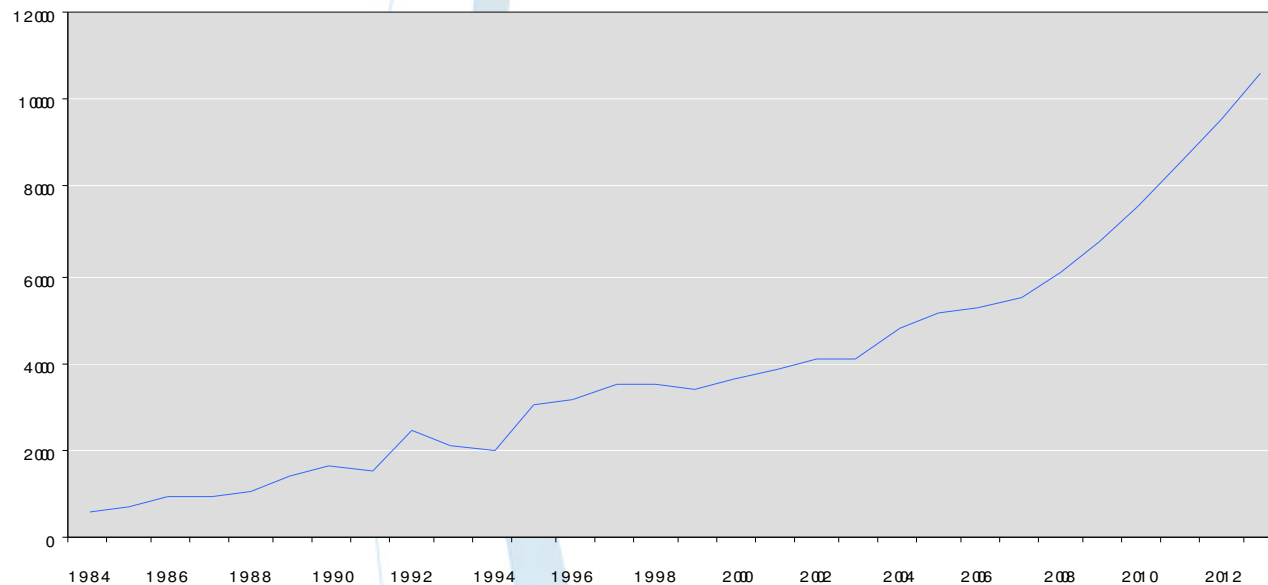




Budgets of the EU Framework Programmes 1984-2013



€ million



NB: Budgets in current prices. Source: Annual Report 2003, plus FP7 revised proposal



Framework Programme : evolutions

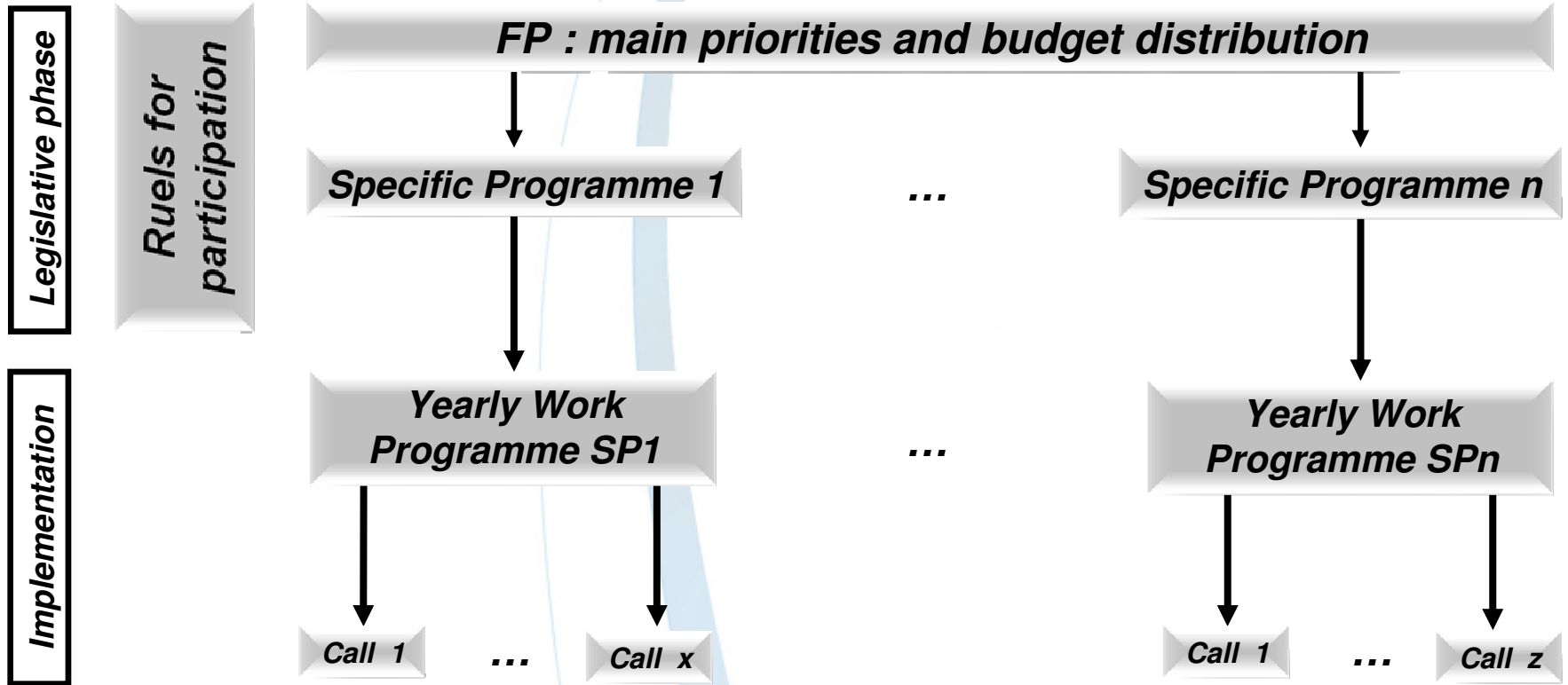
- more critical mass in strategic areas
- more comprehensive set of S&T fields
- coordination of national research programmes : ERA-NET, ERA-NET+, Art 169
- European Research Council
- large scale public-private partnerships : JTI
- mainstreaming of international cooperation
- other modes of implementation : agencies



2. Framework Programme : the institutional process



FP adoption and implementation





Framework Programme decision

Lisbon Treaty Article 182 (1)

A multiannual framework programme, setting out all the activities of the Union, shall be adopted by the EP and the Council, acting in accordance with the ordinary legislative procedure after consulting the Economic and Social Committee.

The framework programme shall:

- establish the scientific and technological objectives to be achieved by the activities provided for in Article 180 and fix the relevant priorities,
- indicate the broad lines of such activities,
- fix the maximum overall amount and the detailed rules for Community financial participation in the framework programme and the respective shares in each of the activities provided for



Framework Programme decision

Adoption through the ordinary legislative procedure

- decision by the Council and the European Parliament
- starting point : Commission proposal
- Council and EP amend/negotiate proposal in a system of maximum three readings (third reading = conciliation)
- EP starts the process
- Commission can amend its proposal during the process and expresses its opinion after first and second reading
- opinions issued by Economic and Social Committee (and the Committee of the Regions)



Specific Programme decision

Lisbon Treaty Article 182 (3-4)

3. The framework programme shall be implemented through specific programmes developed within each activity. Each specific programme shall define the detailed rules for implementing it, fix its duration and provide for the means deemed necessary. The sum of the amounts deemed necessary, fixed in the specific programmes, may not exceed the overall maximum amount fixed for the framework programme and each activity.

4. The Council, acting in accordance with a special legislative procedure and after consulting the European Parliament and the Economic and Social Committee, shall adopt the specific programmes.



Specific Programme decision

Adoption through a special legislative procedure

- decision by the Council
- starting point : Commission proposal
- EP needs to give its opinion before the Council can act
- Council not obliged to follow EP opinion
- Opinion issued by Economic and Social Committee (and the Committee of the Regions)

==> power of EP more limited than in co-decision
but FP procedure and SP procedure 'interact'



Rules for Participation

Lisbon Treaty Article 183

For the implementation of the multiannual framework programme the Union shall:

- determine the rules for the participation of undertakings, research centres and universities;
- lay down the rules governing the dissemination of research results.

==> adopted through ordinary legislative procedure



Work programmes



- yearly work programme per Specific Programme
- instrument for implementation
- sets priorities and budgets for the year
- adopted through Commission decision
- in most cases obligatory opinion of committee of Member State representatives before adoption
- calls for proposals launched after work programme adoption



3. Context of the debate on the future of EU research



Preparation of the debate on the future of research

- design of next FP not yet begun
- number of activities will help shape the Commission's views :
 - FP6 ex-post evaluation
 - FP7 progress report
 - yearly FP7 monitoring reports
 - ERC review
 - debate on simplification
- furthermore : other contextual elements are likely to contribute to the debate



Main elements

- Economic crisis
- New Commission
- EU 2020 strategy
- New institutional context : Lisbon Treaty
- ERA governance
- Lund declaration : grand challenges; Council conclusions
- Monitoring and evaluation



The economic crisis

- Nov 2008 : European Economic Recovery Plan
 - 3 PPPs launched :
 - Factory of the Future
 - Energy Efficient Buildings
 - Green Cars
- ==> first FP7 calls for proposals launched
- how will crisis affect future Union research policy ?
 - long term effect on public budgets
 - next financial perspective ?
 - what will drive post-crisis recovery ? new sources of sustainable economic growth ?



The new Commission

- new Commission enters in coming months
- priorities/strategy of the new Commission ?
- President Barroso's political guidelines for the new Commission :

'I would envisage refocusing on key areas to secure:

- ✓ *world excellence in basic research. Our future agenda for science driven frontier research, should be set by the scientific community, principally working through the European Research Council;*
- ✓ *more industry-driven applied R&D, in areas ranging from nanotechnologies to space, to bring new, leading edge products and clean technologies to markets and to boost the competitiveness of EU industry;*
- ✓ *new opportunities for researchers, extending exchange programmes like Marie Curie, and attracting world class researchers to the EU;*
- ✓ *a bigger focus on spreading R&D capacities to the regions.*'



EU 2020 strategy

- EU-2020 will replace Lisbon strategy
- public consultation launched 25 November
- priorities :
 - (1) Creating value by basing growth on knowledge*
 - (2) Empowering people in inclusive societies*
 - (3) Creating a competitive, connected and greener economy*
- Commission proposal in Spring 2010
- European Council should set limited number of headline objectives
- Comments to **EU2020@ec.europa.eu** by 15 January 2010



Council conclusions on future priorities for EU research

- focus on knowledge triangle concept (e.g. EIT)
- organise open and transparent process to identify priorities
- forward looking activities
- synergies between FP – CIP – SF
- stronger role for research and innovation in SF
- administrative simplification



Lisbon Treaty and future of EU research



- achieving the ERA explicit objective of Community research policy (Art 179)
- provisions on FP itself remain the same
- new provision for complementary legislative measures to realise the ERA (Art 182.5)
- new provision for a European space policy



ERA governance and future of EU research

- ERA re-launch in 2007 through ERA Green Paper
- 5 Community ERA initiatives launched in 2008 :
 - Joint Programming
 - Partnership for researchers
 - Infrastructures regulation
 - Strategy for international cooperation
 - Knowledge transfer
- all endorsed by Council and moved into implementation



ERA governance and future of EU research

- larger debate on ERA governance : how to steer/decide/monitor policies to establish ERA ?
- Ljubljana process launched in 2008 : long term partnership between Member States and Commission
- ERA Vision 2020 established end 2008
- forthcoming : Council on enhanced governance of the ERA, focusing mainly on role of CREST
- role of FP in shaping the ERA ?



Lund declaration : grand challenges and FP8

- SE presidency conference ‘New Worlds, New Solutions’
- Outcome : Lund declaration :
 - European research must focus on the grand challenges of our time
 - new deal between Community and Member States
 - importance of frontier research and competition amongst researchers
 - grand challenges require global cooperation
 - more efforts needed to make better use of research results
 - modernisation of European universities
 - importance of world-class research infrastructures



Evaluation

- FP6 ex-post evaluation
- FP7 Progress Report
- ERC review
- FP7 monitoring reports
- FP7 interim evaluation in preparation (end 2010)



Issues raised in evaluations

▪ Budget

- increased efforts despite fiscal crisis?
- increased efforts because of financial crisis?

▪ Objectives

- stringent intervention logic
- objectives commensurate with available means?

▪ ERA

- new roles of the FP in the emerging ERA?
- synchronising national research policies?



Issues raised in evaluations

- **Topics**

- Grand Challenges – Great Ideas?
- more room for innovative ideas?

- **Competitiveness and Innovation**

- interaction with innovation activities?
- industry role in agenda setting and implementation?

- **Simplification**

- continued streamlining vs radical overhaul?

- **International Dimension**

- FP as Global Player?



4. Calendar



Timeline

- 2009 : FP7 Progress Report, ERC Review
- Begin 2010 : new Commission
- 2010 :
 - Innovation Action Plan
 - EU 2020 strategy
 - FP7 Interim evaluation
 - Communication on simplification
 - review of the financial perspectives
- 2011 - 2013:
 - Commission proposal for next financial perspective
 - consultation/internal preparation
 - ex ante impact assessment
 - Commission proposals for FP8
 - Council/EP decisions on FP8
 - launch of FP8