

FP7

***7th Research
Framework Programme
2007 - 2013***

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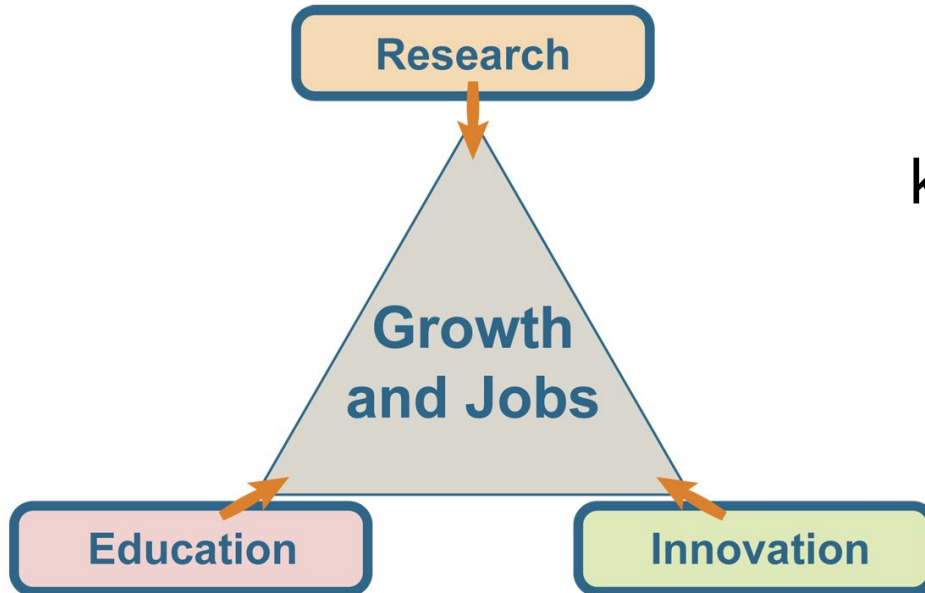
Bruxelles 15 May 2007

Who manages public funding for health and related research in the EU?

- **27 States**: manage ~ 90% of public research funding
- **EU**: manages about 6% of public research funding
 - **FP 7** (DG Research): 2007-2013, ~ 1 billion € p.a. available for health-related research
 - **Public health programme** (DG Sanco): ~ 50 m € p.a.
- **International organisations**

Lisbon strategy

EU to become
the most dynamic
knowledge-based economy

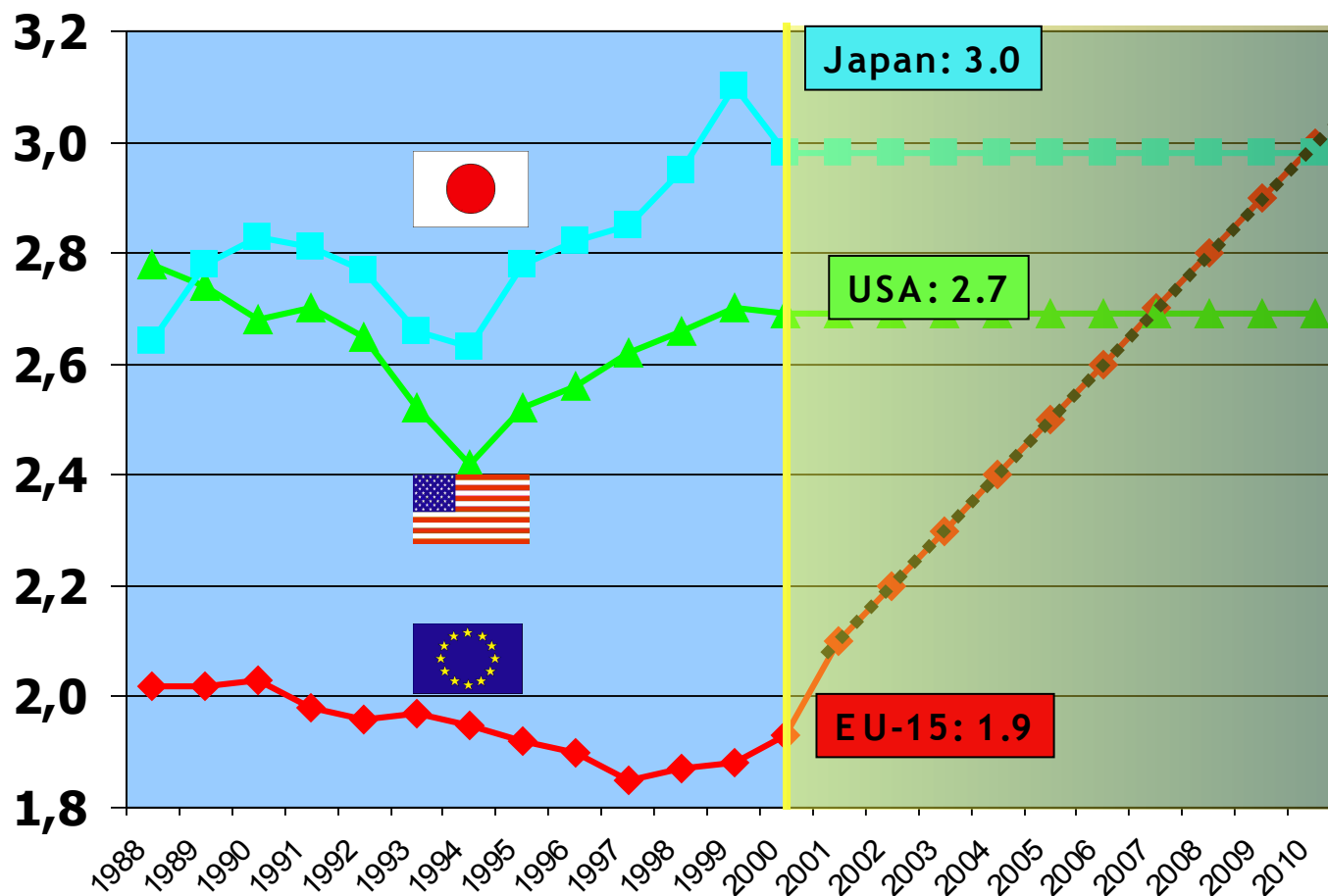


S&T contributes to the **Lisbon** objectives: economic **growth**, **employment** creation, **environmental** protection, **social** challenges: fight **poverty**, improve human **health** and **quality** of life

Research: filling the gap

Total expenditure on R&D, % of GDP

Barcelona Summit, 2001





EUROPEAN
COMMISSION

Community Research

	Spesa in ReS/PIL	Spesa in R&S / finanziata dai privati /spesa totale in R&S
Obiettivi di Lisbona	3 %	66,6 %
Veneto	0,9	45,1
Emilia Romagna	1,5	58,5
Lombardia	1,6	66,1
Lazio	2,5	25,5
Piemonte	2,0	76,9
Liguria	1,4	53,6
Sicilia	0,9	22,8
Calabria	0,5	4,6
ITALIA	1,4	47,3

A New European Research Strategy

A joint effort by EU and MS to address structural deficits in European research



Fragmentation

Under-resourcing

**Unfavourable environment for research
and innovation**

2000

European Research Area (ERA)

Role of EC in research

Treaty allows EU funding for research only to :

- Enhance EU's industrial **competitiveness**
- Contribute to solving **societal/political issues**
- If it cannot be done at national level because it requires
 - cooperation across EU countries; or
 - competition across EU countries

Role of EC

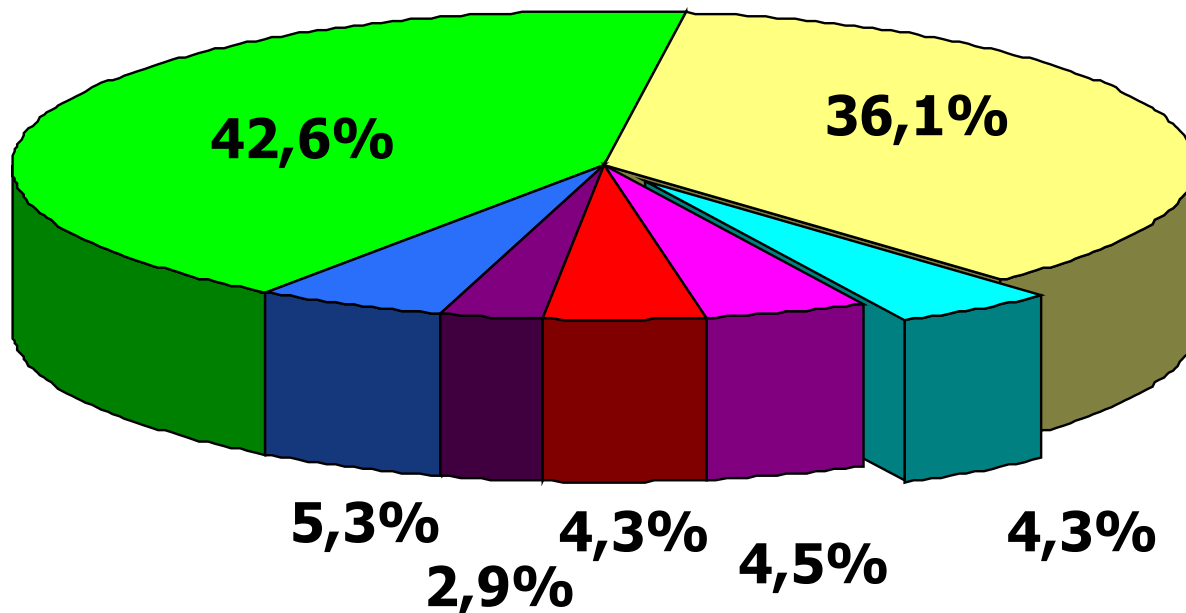
promote collaborative research

EC programmes bring down barriers

- **between countries:**
 - multinational consortia (EU-27 + associated countries)
 - researchers from any country in the world can participate; and promotes coordination of national funding programmes (ERA)
- **between different types of organizations:**
universities, research centres, SMEs, large companies, etc.
- **between disciplines:** focus on translational research

The EU's Budget

**for 2006 € 123.5 billion
expenditure (commitments;
payments: 1.08 % of GNI –
gross national income)**



- Agriculture (€52.6b)
- Structural actions (€44.6b)
- Research (€5.3bn)
- Other policies (€5.6bn)
- External actions (€5.3bn)
- Preaccession aid (€3.6bn)
- Administration (€6.5bn)

What was funded in **FP6** in the Life sciences, genomics and biotechnology for health priority (2003-6)?

- **Health research: € 2.4 billion** for research for **604 projects** in 4 years
- Average success rate in evaluation: **25.4%**

Project type	number	av. EU contribution	Partners
Integrated Projects	119	10.0	21
Networks of Excellence	40	9.3	30
STREPs	322	2.2	8.2
Coordination Actions	25	1.1	19
Specific Support Actions	98	0.4	5.8

Total number of participants: **7,426**



Main new elements compared to FP6

Main features of transition from FP6 to FP7:

- **continuity**
- **broader scope**
- **less focus on genomics**
- **Emphasis on translational research**
 - re-introduction of**
 - biomedical technology**
 - public health research**
 - health policy driven research**

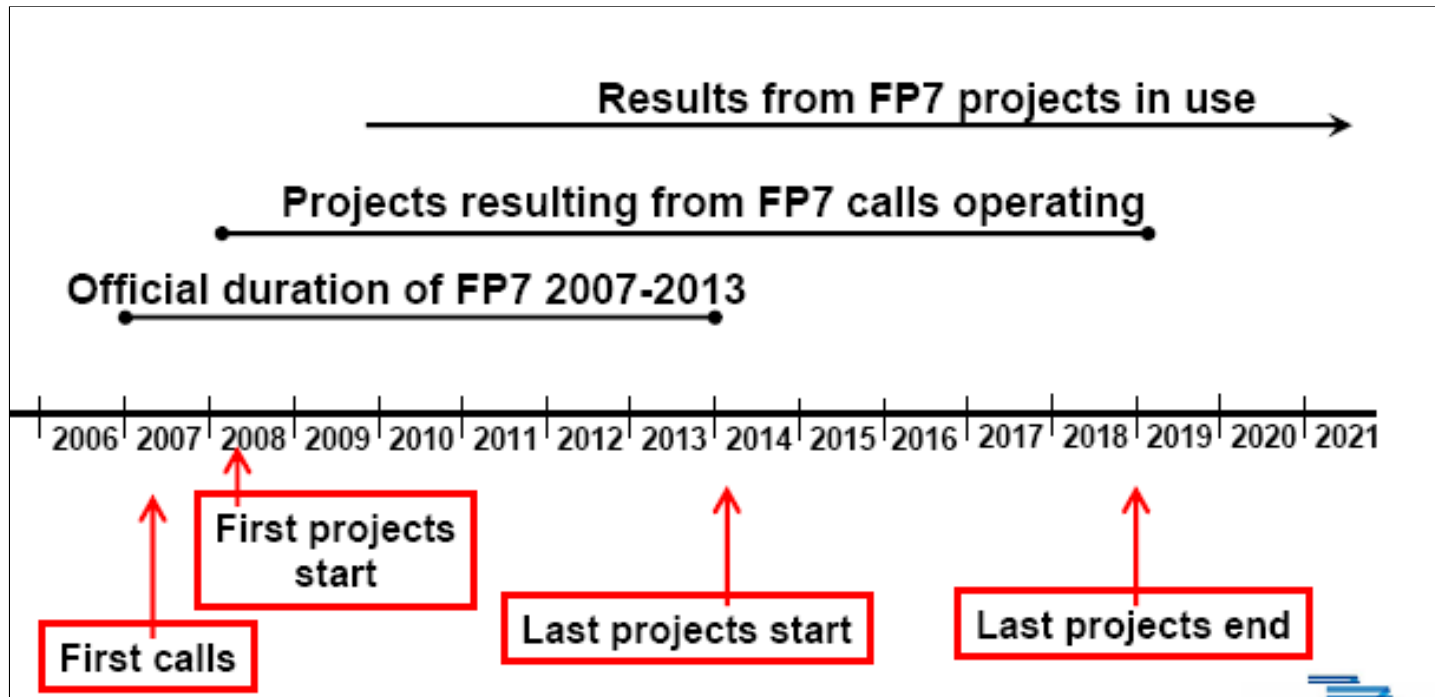
Funding levels in the health theme

Warning: these will be an eligibility criteria !

	min.	max.*
➤ Small- or medium-scale focussed research project (FRP)		€3m
➤ Large-scale integrating project (IP)	€6m	€12m
➤ Projects targeted at (SMEs & SICA)		€3m
➤ Coordination action (CA)		
➤ Support action (SA)		
➤ ERA-Net (for cancer topic)		€2m

* except where otherwise stated in work programme.

Timeframe for FP7 projects (7 years duration)



**DG RTD
Health Research
management
under FP7**

Direction F Santé

Director O. QUINTANA TRIAS

F.1

Aspects horizontaux et coordination

Stéphane HOGAN

F.2

Medical & Public Health Research

M. HALLEN

F.3

Maladies infectieuses

f.f. Bernard MULLIGAN

F.4

Génomique et santé

Patric COLAR

F.5

Technologies pour la santé

Arnd HOEVELER

F.6

UAF (Admin. & Finances Unit)

f.f. Georgios ZISIMATOS

The 7th Research Framework Programme 2007 – 2013

Specific Programmes

***Cooperation* – Collaborative research**

***Ideas* – Frontier Research**

***People* – Human Potential**

***Capacities* – Research Capacity**



JRC (non-nuclear)

JRC (nuclear)

Euratom

Cooperation – Collaborative research

9 themes with health research

- 2. Health**
- 3. Food, Agriculture and Biotechnology**
- 4. Information and Communication Technologies**
- 5. Nanosciences, Nanotechnologies, Materials and new Production Technologies**
- 6. Energy**
- 7. Environment** (including Climate Change)
- 8. Transport** (including Aeronautics)
- 9. Socio-Economic Sciences and the Humanities**
- 10. Security and Space**

FP7 priorities & budget

	Themes	Health	Biotech, Food, Agriculture	Information Society	Nano, Materials, Production	Energy	Environment	Transport	Socio-economic Research	Space and Security	
COOPERATION	Collaborative Research	6,1	1,9	9,1	3,5	2,3	1,9	4,2	0,6	2,8	32,4
IDEAS	European Research Council										7,5
PEOPLE	Marie Curie Actions										4,7
CAPACITIES	Research Infrastructures	Research for SMEs	Regions of Knowledge	Research Potential		Science in Society	Research policies	International Co-operation		4,2	
	1,9	1,3	0.13	0,4		0.3	0,07	0,19			
JRC (EC)											1,8
Total											50,5

Cooperation – Collaborative research

Support will be implemented across all themes through:

Collaborative research
(Collaborative projects, Coordination/support actions)

Joint Technology Initiatives (IMI)

Coordination of non-Community research programmes
(ERA-NET ERA-NET+ **Article 169**)

International Cooperation

HEALTH COLLABORATIVE RESEARCH in FP 7

Main Policy Drivers :

Improving health of European citizens

Increasing competitiveness of European health-related industries and business

Addressing global health issues,
including emerging epidemics

Budget:

€ 6 billion over a period of 7 y (2007-2013)

First calls for the Health theme

- **Work programme published 22 Dec.06 for years 1 & 2**



one-step proposal



first deadline: 19 April 2007

€637

million



second deadline: 18 September 2007 €532

million

- no Networks of excellence
- 89 topics in first call, 87 in second
- ERA-NET (cancer registries), deadline 30 July 2007

HEALTH COLLABORATIVE RESEARCH in FP7

Activities \Rightarrow 3 Pillars

Pillar 1

Biotechnologyg
eneric tools
and
technologies
for human
health

Pillar 2

Translating
research for
human
health

Pillar 3

Optimising
the delivery
of health
care to
European
citizens

Child Health

Health of the Ageing population

International Cooperation: SICA

FP7
20

HEALTH COLLABORATIVE RESEARCH

First Pillar \Rightarrow Biotechnology, generic tools and technologies for human health

- **High-throughput research**
(enhancing data generation, standardisation, acquisition & analysis).
- **Detection, diagnosis and monitoring**
(with emphasis on non-invasive or minimally invasive approaches).
- **Innovative therapeutic approaches and interventions**
(with potential application in many diseases and disorders).
- **Predicting suitability, safety and efficacy of therapies**
(biological markers, in vivo and in vitro methods and models, including simulation, pharmacogenomics, targeting approaches and alternatives to animal testing)

HEALTH COLLABORATIVE RESEARCH

2nd Pillar



Translating research for human health

Integrating data &
systems

- Large scale data gathering
- Systems biology

Brain, human
developm.& ageing

- Research on the brain & related diseases
- Human development & ageing

Infectious diseases

- Anti-microbial drug resistance
- HIV, Malaria, TB
- Emerging epidemics
- Neglected infectious diseases **NEW**

Other major
diseases

- Cancer
- Cardiovascular diseases
- Diabetes and obesity **NEW**
- Rare diseases **NEW**
- Other chronic diseases **NEW**



EUROPEAN
COMMISSION

Community research

Optimizing delivery of Health care to European Citizens

3rd Pillar

Aim :

To provide the necessary basis for:

- informed **policy decisions** on health systems
- more effective **strategies** of :
 - health promotion,
 - disease prevention,
 - diagnosis and therapy.



Work Programme

- Basis for calls for proposals
- lists the technical research topics across the Health theme
- each proposal needs to address one specific research topic
- drafted by the European Commission
- technical input from Commission Services (SANCO, EMPL, ENTR)
- scientific input from the **Scientific Advisory Group**
- adopted by the **Programme Committee** representing the research ministries of the 34 participating countries



Work Programme - Health

- **!!! First WP covers two calls for proposals !!!**
- **1st deadline 19 April 2007 – 2 topics: occupational health + Statistics**
- **2nd deadline 18 September 2007 – budget ~ 90 Mil. Euro**
 - **area 3.1: Translating clinical research into clinical practice** 7 topics
 - **area 3.2: Quality, solidarity and sustainability of health systems** 8 topics
 - **area 3.3: Enhanced health promotion and disease prevention** 5 topics
 - **Horizontal support actions** : 8 topics
 - **Responding to EU policy needs** : 1 topic
 - **International cooperation** : 4 topics

3.1 Translating clinical research into clinical practice

Better use of medicines, behavioural and organisational interventions, health technologies; focus on patient safety:

- to identify best clinical practice
- to understand decision making in clinical settings in primary and specialised care
- to foster evidence-based medicine and patient empowerment
- focus on improving use of new knowledge for improvement of quality of health service provision
- general approach across disease and not disease-specific
- disease-specific approach acceptable if findings are generalisable or impact on service provision for other diseases



3.1 Translating clinical research into clinical practice

7 TOPICS

3.1.1 Implementation of research into healthcare practice

3.1.2 Self-medication and patient safety

3.1.3 Patient Safety Research Network

3.1.4 Improving clinical decision making

3.1.5 Better use of medicines. Analysis of prescription of medicines and compliance of their use

3.1.6 Continuity of clinical care

3.1.7 Patient self-management of chronic disease



3.2 Quality, solidarity efficiency and of health systems

Objective:

to provide a basis for countries to adapt their health systems in the light of experience of others, taking into account the importance of national contexts and population characteristics

Focus on different aspects:

organisational,
financial
regulatory aspects of health systems,
their implementation and
their outcomes in terms of effectiveness,
efficiency and equity.



3.2 Quality, solidarity efficiency and of health systems 8 Topics



- 3.2.1 Evaluation of disease management programmes**
- 3.2.2 Health systems and long term care of the elderly**
- 3.2.3 Mobility of health professionals**
- 3.2.4 Health care human resource planning in nursing**
- 3.2.5 Clinician working time and patient safety**
- 3.2.6 Health outcome measures and population ageing**
- 3.2.7 Trends of population health**
- 3.2.8 European system of Diagnosis-related groups (DRG)**



3.3. Health promotion and disease prevention

Evidence for best public health measures in terms of life style interventions

Focus on the wider determinants of health and how they interact at the individual and community level

- tobacco, alcohol, nutrition and physical activity, health inequalities, mental health



Health promotion and disease prevention 5 TOPICS

- 3.3.1 **Promoting healthy behaviour** in children and adolescents
- 3.3.2 Interventions addressing the **gradient of health inequalities**
- 3.3.3 Public health interventions addressing the **abuse of alcohol**
- 3.3.4 Evaluation of **suicide** prevention strategies
- 3.3.5 Improve **vaccination** coverage



Horizontal Coordination and Support Action

- 3.4.1 Disease networks of centres of reference. Scoping study (SA).
- 3.4.2 Effectiveness of health investments. Scoping study (SA).
- 3.4.3 Patient mobility and access to information. Scoping study (CA or SA).
- 3.4.4 Brokering research into policy. Scoping study (SA).
- 3.4.5 Road-map for ageing research (CA or SA).
- 3.4.6 Health Services Research conference (SA).
- 3.4.7 Mental health research conference (SA).
- 3.4.8 Public Health intervention research conference (SA).



Responding to EU policy needs

4.2.5 Effectiveness of fiscal policies for tobacco control in Europe

Research should enable the development of regulatory policies that ensure effective and equitable control of tobacco use

- what is the effectiveness of pricing policies across Europe?
- what is the effect on tobacco use, cessation, and relapse behaviour?



Specific international cooperation actions (SICA)

- 1. Opening of all topics to researchers from third countries**
- 2. Explicit encouragement to include researchers from third countries in specific topics**
- 3. Specific International Cooperation Activities**



Specific international cooperation actions



Epidemiological investigations into long-term trends of population health as consequence of socio-economic transitions, including life-style induced health problems.

Targeted regions: Mediterranean Partner countries/Russia and other Eastern European countries

Universal & equitable access to health care and health financing

Targeted regions: Asia and Latin America

Health care intervention research – improving pre-natal and maternal care

Targeted region: ACP and Mediterranean countries

Health care intervention research – optimising hospital care.

Targeted region: Western Balkans



Some Tips in preparing your proposal

- Start in time!!!!
- Play according to the rules of the competition and read the documents carefully
 - Work programme → kind of play
 - Guide for applicants → how to play accept the rules!!!
 - Evaluators → referees
- Consortium built around topic and not built on old boys Networks
- Excellent researchers are not enough, you have to write an excellent proposal including excellent researchers

More Information :

Health research in FP7:

http://cordis.europa.eu/fp7/cooperation/health_en.html

Become an evaluator of FP7 projects:

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



Thank you

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