



News from the Commission

From FP7 to Horizon 2020

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Roadmap

- FP7 – Snapshot
- FP7 Ex-Post Evaluation - Preparation
- Horizon 2020 – Some highlights
- Horizon 2020 - Evaluation and Reporting

FP7 Snapshots: Absolute Figures

Absolute figures (2007 - 2010):

59.100 proposals

312.600 applicants

12.400 proposals retained

69.300 participants

20,4 billion € EU contribution

169 countries involved

FP7 Snapshots: Participants

Participants in retained proposals 2010

(% of EU contribution):

- Universities 27%
- “Industry” 26%
- Research Organisations 23%

16,6 % of all participants 2007-2010 are SMEs

FP7 Snapshots: Higher Education Sector

HES RANK	OVERALL RANK	INSTITUTION NAME	COUNTRY
1	6	UNIVERSITY OF CAMBRIDGE	UK
2	8	IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK
3	9	UNIVERSITY OF OXFORD	UK
4	10	EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH	CH
5	11	KATHOLIEKE UNIVERSITEIT LEUVEN	BE
6	12	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	CH
7	13	UNIVERSITY COLLEGE LONDON	UK
8	17	KARLSRUHER INSTITUT FUER TECHNOLOGIE	DE
9	18	KAROLINSKA INSTITUTET	SE
9	18	DANMARKS TEKNISKE UNIVERSITET	DK
11	21	UNIVERSITY OF EDINBURGH	UK
12	22	LUNDS UNIVERSITET	SE
13	23	UNIVERSITY OF MANCHESTER	UK
14	24	TECHNISCHE UNIVERSITEIT DELFT	NL
15	26	KØBENHAVNS UNIVERSITET	DK
16	27	KUNGLIGA TEKNISKA HOEGSKOLAN	SE
17	31	UNIVERSITY OF SOUTHAMPTON	UK
18	32	VERENIGING VU-WINDESHEIM	NL
19	33	CHALMERS TEKNISKA HOEGSKOLA	SE
20	34	UNIVERSITEIT GENT	BE

FP7 Snapshots: Research Organisations

REC RANK	OVERALL RANK	INSTITUTION NAME	COUNTRY
1	1	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	FR
2	2	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG	DE
3	3	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	FR
4	4	MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN	DE
4	4	CONSIGLIO NAZIONALE DELLE RICERCHE	IT
6	6	CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES
7	14	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	FR
8	15	TEKNOLOGIAN TUTKIMUSKESKUS VTT	FI
9	16	DEUTSCHES ZENTRUM FUER LUFT- UND RAUMFAHRT	DE
10	18	JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	EU
11	25	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK	NL
12	28	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	EL
13	29	STICHTING DIENST LANDBOUWKUNDIG ONDERZOEK	NL
14	30	FUNDACION TECNALIA RESEARCH & INNOVATION	ES
15	36	INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE	FR
16	40	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE	FR
17	48	INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM VZW	BE
18	70	MEDICAL RESEARCH COUNCIL	UK
18	70	CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS	EL
20	80	CENTRO RICERCHE FIAT SCPA	IT

FP7 Snapshots: "Industry"

PRC RANK	OVERALL RANK	COMPANY NAME	COUNTRY	SME STATUS
1	99	TELEFONICA INVESTIGACION Y DESARROLLO SA	ES	N
2	112	SIEMENS AG	DE	N
3	127	SAP AG	DE	N
4	129	EADS DEUTSCHLAND GMBH	DE	N
5	134	ATOS ORIGIN SA	ES	N
6	138	PHILIPS ELECTRONICS NEDERLAND BV	NL	N
7	175	THALES COMMUNICATIONS SA	FR	N
8	185	D'APPOLONIA SPA	IT	N
9	199	STMICROELECTRONICS SRL	IT	N
10	208	ACCIONA INFRAESTRUCTURAS SA	ES	N
11	215	ELECTRICITE DE FRANCE SA	FR	N
11	215	FRANCE TELECOM SA	FR	N
13	249	VOLVO TECHNOLOGY AB	SE	N
14	258	AIRBUS OPERATIONS SAS	FR	N
15	266	INFINEON TECHNOLOGIES AG	DE	N
16	275	ELSAG DATAMAT SPA	IT	N
17	282	IBM ISRAEL - SCIENCE AND TECHNOLOGY LTD	IL	N
18	296	ALMA CONSULTING GROUP SAS	FR	N
18	296	CENTRE DE RECERCA I INVESTIGACIO DE CATALUNYA SA	ES	Y
20	311	ROBERT BOSCH GMBH	DE	N

More FP7 Snapshots ...

- Full data available in the Annual Monitoring Reports
- <http://ec.europa.eu/research/evaluations>
- Next report, covering 2007 to 2011, expected for the summer ...

FP7 Snapshots: Last Calls

- 2013 will be the last year for FP7
- Calls covering the Work Programme 2013 will be launched in July 2012
- "Biggest calls ever"
- Bridging to Horizon 2020
(Innovation, Prizes, ...)

FP7 Ex-Post Evaluation - Basics

- Foreseen in 2015, two years after *the end* of FP7
- Expert Panel to provide comprehensive assessment
- Wide range of thematic evaluation studies envisaged
- Horizontal issues to be addressed in specific evaluation studies

FP7 Ex-Post Evaluation – Preparation

- Conceptionalizing of thematic studies on
 - ✓ FP and Human research capacity
 - ✓ FP and major innovations
 - ✓ Research Management Performance
 - ✓ Network Analysis of FP7
- Any advice / reference most welcome
- Open call for tenders to be launched soon

Horizon 2020 - Basics

- **A single programme** bringing together three separate programmes/initiatives (FP/CIP/EIT)
- **Coupling research to innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond

Horizon 2020 -Simplification

- **Single set of** simpler and more coherent participation **rules**
- New **balance between trust and control**
- Moving from several **funding rates** for different beneficiaries and activities to just two
- Replacing the four methods to calculate overhead or «indirect costs» with a **single flat rate**
- Major simplification under the **forthcoming financial regulation**
- **Successful applicants to get working more quickly:** reduction of average time to grant by 100 days (current average of around 350 days under FP7)

Horizon 2020 - European Research Area

- **ERA framework proposal** in 2012 to create a single market for knowledge research and innovation
- Complemented by Horizon 2020:
 - ✓ Boosting support to ERA priorities – mobility, infrastructures, knowledge transfer, policy learning
 - ✓ Stronger partnerships with Member States and private sector to invest more efficiently
 - ✓ Taking account of gender, ethical issues, researcher careers and open access to results

Horizon 2020 - Partnering

Public private partnerships:

- Joint Technology Initiatives or other formal structures (Art. 187)
- Contractual agreements, which provide inputs for work programmes

Public public partnerships:

- "ERA-Nets" for topping up individual calls/actions (replacing current ERA-Net, ERA-Net Plus, Inco-Net, Inno-net)
- Participation in joint programmes between MS (Art. 185)
- Supporting agendas of Joint Programming Initiatives when in line with Horizon 2020

European Innovation Partnerships:

- Not funding instruments, but for coordination with broader policies and programmes

Horizon 2020 - Widening participation

Horizon 2020 based on principle of excellence - allocate funding on the basis of competitive calls, selecting only the best projects

Division of labour between cohesion policy and Horizon 2020.

- **Cohesion policy:** support for regions in building up their research and innovation capacity.
- **Horizon 2020:** widen participation, better coordination between the two Union funding programmes, support policy learning reforms.

Specific measures in Horizon 2020 to ensure that excellence prevails wherever it exists (Twinning, ERA chairs, support for access to international networks, development of smart specialisation strategies...)

Horizon 2020 - Next steps

- On-going:** Parliament and Council negotiations on the basis of the Commission proposals
- On-going:** Parliament and Council negotiations on EU budget 2014-2020 (including overall budget for Horizon 2020)
- Mid 2012:** Final calls under FP7 to bridge gap towards Horizon 2020
- Mid 2013:** Adoption of legislative acts by Parliament and Council on Horizon 2020
- 1/1/2014:** **Horizon 2020 starts, launch of first calls**

Horizon 2020 - Evaluation and Reporting

- Key Evaluations in 2017 and 2023
- Key "Building Blocks"
 - ✓ Strategy
 - ✓ Governance
 - ✓ Coherence
 - ✓ Evidence
 - ✓ Transparency

Horizon 2020 - Evaluation and Reporting

- Creation of an internal working group to prepare the ground
- Results to be expected early 2013
- Current focus: *"Fact finding missions"*
- ...

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