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Community research

JRC Information Exchange Event

European Research Area and Research Opportunities in FP7

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EU Research Policy

- Towards European Research Area (ERA)
- Add / new Innovation Union (IU)
- Research Framework Programme (FP7)



European Research Area (ERA)

- Avoid fragmentation: design together research policy
- Create critical mass by pooling scientific excellence
- Increase investment in research (3%)
- Free circulation of knowledge (5th freedom): mobility of researchers; open infrastructure; protection of IPR at EU level (community patent)



Innovation Union flagship

- Essential part of Europe 2020 Strategy
- Communication on IU adopted on 6 October 2010
- Necessary for competitive Europe and societal challenges
- Collaborative research designed for and by industry
- Public-private partnerships
- European Economic Recovery Plan
- SMEs in the focus:
 - € 800 million
 - Up to 35% of funds fixed for SMEs
 - Research projects funded will:
 - Help industry bring ideas to market
 - Bring down barriers to the movement of knowledge
 - Help tackle societal and environmental challenges
- Implementation: short and longer term measures; priorities, coordination MS



- Possibility to nominate in ERA governance bodies: should do!
- Attending meetings/European research Area Committee (ERAC): useful to learn about EU research policy/best practices
- Joint programming Initiatives (JPIs): on Agriculture/FAB; Cultural heritage; Health/diet: possibility to join
- Research: pre-accession tool/facilitates compliance with EU acquis
- Prepare for compliance chapter 25 on EU research policy



- ERAC (ex-CREST): awaited
- ESFRI: Prof. A. Dimovski
- SFIC: awaited
- SCAR: Prof. Andonov
- GPC: awaited
- SGHRM: Ms. N. Markovska
- ERIC committee: awaited



***Cooperation* – Collaborative research**

***Ideas* – Frontier Research**

***People* – Human Potential**

***Capacities* – Research Capacity**



JRC (non-nuclear)

JRC (nuclear)

Euratom



- Work Programmes updated annually
- 2011 work programmes adopted 20 July 2010
- Over €6.4 billion of investment in research and innovation
- Provide further detail of calls, topics, expected impact and details of the funding scheme
- 53 calls, for €4.5 billion issued on 20 July
- Further 14 calls for €1.9 billion to be issued (in 2010-2011)
- Preparation WP 2012 (2013)



Who can participate in FP7?

- Any undertaking, university or research centre or other legal entity, whether established in a:
 - Member State (MS), or
 - Associated country (AC)* , or
- International organisations and participants from third countries can participate only if in addition to the minima

* Albania, Bosnia & Herzegovina, Croatia, Faroe Islands Iceland, Israel, Liechtenstein, Former Yugoslav Republic of Macedonia, Montenegro, Norway, Serbia, Switzerland, Turkey, Moldova (negotiations to start shortly)



Conditions for participation

- Minimum number, as a general rule at least 3 independent participants from 3 different Member States (MS) or Associated countries (AC)
- Additional conditions can be established by the work programme or specific programme (number or type of participant, place of establishment)
- Specific conditions apply for:
 - Frontier research actions (Ideas SP), 1 legal entity established in a MS or AC
 - Marie Curie Actions (People SP)
 - For specific cooperation actions dedicated to International Cooperation Partner Countries (ICPC) – minimum 4 participants: 2 MS or AC and 2 from ICPC countries



Proposal Submission

- Submission only through the EPSS – Electronic Proposal Submission Service
- Deadlines strict: to the second!
- Proposal:
 - Part A: administrative forms
 - Part B: main text of proposal
- Full information in the Guide for Applicants – specific to each call



Evaluation Process

- Funding decisions are based on peer review of research proposals
- High quality evaluators are at the core of the system
- Sign up to be an evaluator!
- Quality control
 - Questionnaire survey of experts
 - Independent observers
 - Redress system



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Your country in FP7

- Associated since 2007
- Nominated NCPs
- Need to convene 1ste Joint meeting on monitoring association
- Success rate: average 15% = good
- See details per SPs
- Need to improve SMEs; Marie Curie
- Strengthen administrative capacity (NCPs; nominations in FP7 Committees)
- Create awareness and continue promotion/Info Days



FP7 Cooperation 2007-2010

	Number of proposals submitted (including ineligible)	Number of applicants submitted (including ineligible)	Number of proposals mainlisted	Applicants in mainlisted proposals	Funding obtained (based on mainlisted applicants)
Health	15	16	3	3	450.703
FAB	24	44	2	2	228.560
ICT	28	30	7	7	984.968
NMP	7	9	2	2	547.800
Energy	15	19	6	10	1.205.031
Environment	28	50	3	3	111.645
Transport	8	10	1	1	63.560
SSH	34	37	1	1	82.440
Space	3	3	1	1	22.929
Security	5	7	1	1	121.924
Total	167	225	27	31	3.819.560



FP7 Capacities 2007-2010

	Number of proposals submitted (including ineligible)	Number of applicants submitted (including ineligible)	Number of proposals mainlisted	Applicants in mainlisted proposals	Funding obtained (based on mainlisted applicants)
Research infrastructures	8	9	6	7	759.093
SMEs	15	24	2	4	444.152
Regions of knowledge	1	1	0	0	0
Research potential	68	71	5	5	2.230.422
SiS	9	12	0	0	0
Activities of International cooperation	11	14	3	4	139.941
Total	112	131	16	20	3.573.608



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FP7 2007-2010 EURATOM

	Number of proposals evaluated	Number of applicants evaluated	Number of proposals mainlisted	Number of applicants mainlisted	Funding obtained
Euratom	0	0	0	0	0



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FP7 2007-2010 PEOPLE

	Number of proposals evaluated	Number of applicants evaluated	Number of proposals mainlisted	Number of applicants mainlisted	Funding obtained
	12	16	2	5	77.939



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FP7 2007-2010 IDEAS

	Number of proposals evaluated	Number of applicants evaluated	Number of proposals mainlisted	Number of applicants mainlisted	Funding obtained
	4	5	0	0	0



- Calls 2011 - €682 million
- Three calls, including contributions to cross-thematic calls
 - Strong focus on topics targeting SMEs
 - Two high impact research initiatives in immunisation and epigenomics
 - Clinical trials
 - Lifestyle-related health issues
 - Global health issues – anti-microbial resistance, emerging epidemics
- Two new ERA-NETs



- Calls 2011 - €240 million
- Three calls, including contributions to cross-thematic calls
 - Primary production mitigating and adapting to climate change
 - Greening the industry
 - Food security
 - Socially inclusive and healthy Europe
 - Oceans for the future
- Six new ERA-NETs and preparation for two JPIs – international partners welcome
- Oceans call and all other topics



- Calls 2011 – 1.1 billion
- 10 calls, including contributions to cross-thematic calls and public-private partnerships.
- Major call to be issued in September, all details in current work programme. Current calls:
 - Factories of the Future PPP
 - Energy Efficient Buildings PPP
 - ICT for Green Cars PPP
 - Future Internet PPP
 - FET Flagship Initiatives
 - FET Open Initiative
 - Coordinated call with Russia
- International Cooperation on FET research; support for international partnerships and dialogues in September call; all other topics



- Calls 2011 - €436 million, of which €130 million for public-private partnerships
- Twelve calls, including contributions to cross-thematic calls and PPP calls
- Aiming to support industrial competitiveness by addressing the following challenges:
 - Environment €210 million
 - Resource and energy efficiency €145 million
 - Health and safety €55 million
- Three new ERA-NETs
- All topics



- Calls 2011 - €267.3 million
- Nine calls, including contributions to cross-thematic calls
- Aiming at the transition to a new carbon economy and the fight against climate change
 - Renewable Energy €137 million
 - Smart Grids €50 million
 - Carbon Capture and Storage €36 million
 - Energy Efficiency €50 million
- Two new ERA-NETs
- Oceans call, all topics



Environment

- Calls 2011 - €240 million
- Seven calls, including contributions to cross-thematic calls
 - Research for adaptation and mitigation to climate change
 - Eco-Innovation for eco-efficiency in society
 - Systematic approach for governance in a changing society
- Oceans call, all topics



Transport

- Calls 2011 - €415 million
- Nine calls, including contributions to cross-thematic calls and Galileo
- Strengthening innovation in Europe and boosting public and private investment
 - Surface Transport – efficient railways, eco-innovation in ship building/waterborne transport, European green cars;
 - Aeronautics/Air Transport – integration and validation of technologies at the level of the aero-engine, airframe, on-board equipment and the airport
- One new ERA-NET+
- Cost-effective improvement of rail transport infrastructure, Transport needs for an ageing society, Transport Safety, Global Challenges, Oceans call, all topics



Social Sciences and the Humanities

- Calls 2011 - €84 million
- Four calls, including contributions to cross-thematic calls
 - All topics focused on addressing key societal challenges
- One new ERA-NET, one new ERA-NET+
- Addressing cohesion issues in Central and Eastern Europe, the anthropology of European Integration, all topics



- One call 2011 - €240 million
- Space-based applications at the service of the European Society
- Strengthening the foundations of Space S&T
- Horizontal aspects
- Exploitation of space science and exploration data; R&D for space exploration; facilitating access to space for small scale research missions



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Security

- One call 2011 - €221.4 million
- All areas and topics of the work programme open for international cooperation
- One new ERA-NET



- Starting Grant (now open), Advanced Grant (call November), both with €661.4 million budget
- Deadlines StG:
 - 14 October (Physical Sciences & Engineering)
 - 9 November (Life Sciences)
 - 22 November (Social Sciences & the Humanities)
- SfG Eligibility >2 and <12 years after PhD



- ITN and IAPP currently open
- Other calls Sept/Oct (IRSES, COFUND, Euraxess, Night and Integration) and March (Individual Fellowships)
- ITN – networks (mono-partner) or multi-partner (at least 3 MS/AC), focused on training of early-stage researchers
- IAPP – Knowledge transfer: staff secondments, networking, seminars etc.
 - At least one partner from each sector from different MS/AC



Research Infrastructures

- Calls 2011 - €258.45 million
- Two calls, including one ERA-NET
 - Support for existing infrastructures: Integrating activities (23 topics) and eInfrastructures (2 topics)
 - Support for new research infrastructures: Design studies; Construction – Implementation Phase
 - ERA-NET, studies and conferences
- All topics, incl. facilities and resources for multinational clinical trials; facilities and resources for plant phenotyping; RI for carbon cycle observations; multidisciplinary marine data centres...



- Call 2011 - €204 million; research for SMEs, SME Associations and Demonstration Actions
- Research for SMEs, €110 million: SMEs and RTD performers
- SME Associations, €79 million: SME Associations/Groups, RTD Performers and SMEs
- Demonstration Actions – viability of new technologies, €15 million, follow on from earlier SME actions
- Over and above minima



Regions of Knowledge Research Potential

- Calls 2011 - €18.7 million (Regions); €64.7 million (Research Potential)
- Regions – support to regional research clusters in the area of green transport-related economy
- Research Potential – strengthening research potential in convergence and outermost regions of the EU
 - Secondments, recruitment of experienced researchers, research equipment, conferences, dissemination activities
- All areas; equivalent convergence regions for AC



Science and Society

- Call 2011 - €43 million
- Mobilisation and Mutual Learning Action Plans
 - Low carbon society; food; marine resources and sustainable development [10 MS/AC]
- Involvement of CSOs in research
- Regulating; Assessing Emerging S&T Developments
- Doing and organising research in a knowledge society
- Clusters of cities of scientific culture for innovation
- Events to bring together young scientists with distinguished scientist role models
- Supporting the network of SinS NCPs
- Topics on access to scientific information, structural changes in universities, innovative methods in science education, pre-school mathematics, science-society interaction in a digital era
- All topics



International Cooperation

- Calls 2011 - €17.5 million, three calls
- ERA-WIDE
- INCO-Lab – strengthening European research facilities in third countries [€12 million; Brazil, China, India, Japan, Russia, USA]
- INCO-House – strengthening joint European S&T centres in third countries [€500k; India]



Further Information

- EU research:
<http://ec.europa.eu/research/>
- 7th Framework Programme:
<http://ec.europa.eu/research/fp7/>
- Information on research activities and projects:
<http://cordis.europa.eu/>
- *research*eu* magazine:
<http://ec.europa.eu/research/research-eu/>
- Questions?
<http://ec.europa.eu/research/index.cfm?pg=enquiries>

