FP7 2013 Work Programmes
International Dimension

Opportunities for the
Mediterranean Partner Countries (MPC)
FP7 Work Programmes 2013

All relevant information available on the FP7 participants portal:
http://ec.europa.eu/research/participants/portal

legal basis for the implementation of FP7

full information on the calls for proposals to be published in 2012-2013 (details of activities, budgets and calls timing)
FP7 Work Programmes 2013

- Work programme of actions of over €9.4 billion including:

  - Project calls open for international partners: €4.84 billion
  - People (Marie S. Curie Grants): €0.97 billion
  - Ideas (European Research Council grants): €1.75 billion
  - Iter: €0.94 billion
  - Other (special actions, general and other activities): €0.89 billion
Participation of MPC in FP7

- All areas of FP7 are open for participation of MPC.
- All MPC are 'International Cooperation Partner Country' (ICPC), except Israel. (Same rights/obligations for receiving EU funding as EU Member States).
- Consortia must have the minimum required number of EU Member States/Associated Countries participants.
- Israel, although part of MPC, is an FP7 Associated Country and Israeli legal entities can participate as such in the activity.
IDEAS
Supporting, investigator-driven research projects carried out across all fields

COOPERATION
Collaborative research
10 Thematic Areas

IDEAS

PEOPLE
Strengthening the human potential in research and technology in Europe

CAPACITIES

1 Research Infrastructures
2 Research for the benefits of SMEs
3 Regions of Knowledge
4 Research Potential
5 Science in Society
6 Support for the coherent development of research policies
7 International Cooperation

1 Health
2 Food, Agri & Biotech
3 ICT
4 Nano-sciences/technology
5 Energy
6 Environment
7 Transport (incl. AERO)
8 Socio Economic Sciences and the Humanities
9 Space
10 Security

1 Health
2 Health
3 ICT
4 ICT
5 Energy
6 Environment
7 Transport (incl. AERO)
8 Socio Economic Sciences and the Humanities
9 Space
10 Security

Initial Training of Researchers

Life-long training & Career Development

Industry-academia pathways

International Dimension

Specific support action

The 4 FP7 Specific Programmes (SP)
FP7 WP2013 INTERNATIONAL DIMENSION: GENERAL / TARGETED OPENING

1. GENERAL OPENING: All FP7 WP 2013 Activities open to international cooperation.

2. TARGETED OPENING (A): FP7 WP 2013 Activities with a focus on international cooperation, including but not restricted to MPC.

3. TARGETED OPENING (B): FP7 WP Activities with a focus on international cooperation specifically targeting MPC.
1. GENERAL OPENING

Main activities addressed in the FP7 Thematic Work Programmes 2013
(All open to international cooperation)
SPECIFIC PROGRAMME 
"COOPERATION"
1 Health

1.1) Biotechnology, generic tools and medical technologies for human health
   - Detection, diagnosis and monitoring
   - Suitability, safety, efficacy of therapies
   - Innovative therapeutic approaches and interventions

1.2) Translating research for human health
   - Large-scale data gathering, systems biology
   - Brain research
   - Translational research in major infectious diseases
   - Translational research in other major diseases

1.3) Optimising healthcare delivery to EU citizens

1.4) Other actions
   - Coordination and support actions
   - Responding to EU policy needs
2 Food, Agriculture and Fisheries, Biotechnology

Knowledge-Based Bio-Economy (KBBE)

2.1) Sustainable production and management of biological resources from land, forest and aquatic environments
2.2) Fork to farm: Food (including seafood), health and wellbeing
2.3) Life sciences, biotechnology and biochemistry for sustainable non-food products and processes.
3 Information and Communication Technologies

3.1) Pervasive and Trusted Network and Service Infrastructures
3.2) Cognitive Systems and Robotics
3.3) Alternative Paths to Components and Systems
3.4) Technologies for Digital Content and Languages
3.5) ICT for Health, Ageing Well, Inclusion and Governance
3.6) ICT for a low carbon economy
3.7) ICT for the Enterprise and Manufacturing
3.8) ICT for Learning and Access to Cultural Resources
3.9) Future and Emerging Technologies
4 Nanosciences, Nanotechnologies, Materials and new Production technologies – NMP

4.1) Nanosciences and nanotechnologies

4.2) Materials
- New precursors, processing routes and functionalities for carbon fibres
- Innovative materials for advanced applications

4.3) New production
- Monitoring and assessing resource efficiency
- Sustainable production in farms and forests

4.4) Integration (integration of new knowledge from nano-, materials-, and production technologies in sectoral and cross-sectoral applications)

4.5) Public-private partnerships ("Factories of the Future"; "Energy-efficient buildings"; "Green cars")
5 Energy

5.1) Hydrogen and Fuel Cells
5.2) Renewable Electricity Generation
5.3) Renewable Fuel Production
5.4) Renewables for Heating and Cooling
5.5) CO2 Capture and Storage Technologies for Zero Emission Power Generation
5.6) Clean Coal Technologies
5.7) Smart Energy Networks
5.8) Energy Efficiency and Savings
5.9) Knowledge for Energy Policy Making
5.10) Horizontal Programme Actions
6 Environment (including Climate Change)

6.1) Coping with climate change (fundamental processes that couple land surface, atmosphere, ice-caps and oceans as well as the cumulative effects of climatic and non-climatic stressors on marine geochemistry and biodiversity)

6.2) Sustainable use and management of land and seas (To improve the knowledge base on how ecosystems react to pressures)

6.3) Improving resource efficiency (development and testing of highly eco-innovative technologies, processes and services to valorise urban wastes and recover raw materials from industrial wastes)

6.4) Protecting citizens from environmental hazards.

6.5) Mobilising environmental knowledge for policy, industry and society
7 Transport (including aeronautics)

7.1) Eco-Innovation (greening of air transport)
7.2) Safe and Seamless Mobility
7.3) Competitiveness Through innovation (improving cost efficiency, protection of aircraft and passengers, pioneering the air transport of the future)
7.4) Sustainable Surface Transport (including the "European Green Cars Initiative")
8 Socio-economic sciences and humanities

8.1) Growth, employment and competitiveness in a knowledge society – the European case.

8.2) Combining economic, social and environmental objectives in a European perspective – Paths towards sustainable development.

8.3) Major trends in society and their implications

8.4) Europe in the world

8.5) The Citizen in the European Union

8.6) Socio-economic and scientific indicators

8.7) Foresight activities

8.8) Horizontal actions (analysis and evaluation of outcomes of EU funded research in socio-economic sciences and humanities in the context of their contribution to building the European Research Area)
9 SPACE

9.1) Space-based applications at the service of European society

- Pre-operational validation of GMES services and products
- Integration of satcom and satellite navigation solutions with space-based observing systems
- Coordinated provision of observation data
- Development of earth observation satellites
- Continuity of GMES services in the areas of Marine and Atmosphere

9.2) Strengthening foundations of space science and technology (exploration, space transportation, reducing vulnerability of space assets)

9.3) Cross-cutting activities (SME technology transfer, international cooperation)
10 Security

10.1) Security of Citizens
10.2) Security of Infrastructures and Utilities
10.3) Intelligent Surveillance and Border Security
10.4) Restoring Security and Safety in Case of Crisis
10.5) Security Systems Integration, Interconnectivity and Interoperability
10.6) Security and society (Cultural and socio-economic, as well as systemic risk analyses, scenario building and other research activities related to subjects such as Security as an evolving concept, others)
10.7) Security research coordination and structuring (Develop synergies between civil, security and defence research as well as to coordinate between the demand and the supply side of security research.)
Cross-thematic Call "The Ocean of Tomorrow 2013"

- Cross thematic call focusing on marine technologies
- Three key areas will be tackled:
  ✓ sensing technologies that are necessary to improve reliable measurements of key parameters in the sea,
  ✓ new materials that can avoid bio-fouling on mobile and stationary structures, and
  ✓ innovative transport and deployment systems for the energy sector.
SPECIFIC PROGRAMME
"CAPACITIES"
1 Research infrastructures

1.1) Support to existing infrastructures /e-infrastructures

Deployment, operation and evolution of the pan-European high-capacity and high-performance communication networking (GÉANT) as well as the deployment of user-centric services.
2 Research for the Benefit of SMEs

2.1) Research for SMEs
('Research for SMEs' supports small groups of innovative SMEs in solving technological problems and acquiring technological know-how.)

2.2) Research for SME Associations (SME-AGs)
('Research for SME Associations’ supports SME associations to develop technological solutions to problems common to a large number of SMEs in specific industrial sectors or segments of the value chain through research.)

2.3) Demonstration activities

2.4) Coordination and support action (preparing the H2020 support function for SMEs)
5 Science in Society

5.1) A more dynamic governance of the science and society relationship (Relationships between science, democracy and law; broader engagement to anticipate and clarify political, societal and ethical issues; improve access to S&T results,...)

5.2) Strengthening potential, broadening horizons (promoting gender equality, youth awareness, science education in schools)

5.3) Science and society communicate (EU contest for young scientists, interaction with media)
6 Support for the Coherent Development of Research Policies

Activity A - Providing evidence-base and monitoring of R&I policies and supporting policy coordination to tackle societal challenges by increasing synergies and consistency at the EU level.

Activity B - Supporting a single market for R&I and delivering the ERA Framework with a focus on topics underpinning policies that foster excellent science.

Activity C - Analysing how to improve the business environment and foster European partnerships in R&I in view of unleashing the EU's innovation potential,
7 Activities of international Cooperation

7.1) Bi-regional coordination of Science & Technology Activity
7.2) Bilateral coordination for the enhancement and development of S&T Partnerships
7.3) Supporting the coordination of national policies and activities of Member States and/or Associated States on international S&T cooperation
7.4) Supporting awareness raising of Horizon 2020 in third countries
7.9) Reinforcing cooperation with European Neighbourhood Policy countries on bridging the gap between research and innovation
SPECIFIC PROGRAMME
"PEOPLE"
SP People

Activity 1: Initial Training of Researchers
1.1 MARIE CURIE ACTION: INITIAL TRAINING NETWORKS (ITN)

Activity 2: Life-Long Training and Career Development
2.1 MARIE CURIE ACTION: INTRA-EUROPEAN FELLOWSHIPS FOR CAREER DEVELOPMENT (IEF)
2.2 MARIE CURIE ACTION: CAREER INTEGRATION GRANTS (CIG)
2.3 MARIE CURIE ACTION: CO-FUNDING OF REGIONAL, NATIONAL AND INTERNATIONAL PROGRAMMES (COFUND)
SP People

**Activity 3: Industry-Academia Partnerships and Pathways**

3.1 MARIE CURIE ACTION: INDUSTRY-ACADEMIA PARTNERSHIPS AND PATHWAYS (IAPP)

**Activity 4: World Fellowships**

4.1 MARIE CURIE ACTION: INTERNATIONAL OUTGOING FELLOWSHIPS FOR CAREER DEVELOPMENT (IOF)

4.2 MARIE CURIE ACTION: INTERNATIONAL INCOMING FELLOWSHIPS (IIF)

4.3 MARIE CURIE ACTION: INTERNATIONAL RESEARCH STAFF EXCHANGE SCHEME (IRSES)

**Activity 5: Specific Actions**

5.1 RESEARCHERS' NIGHT (NIGHT)
SPECIFIC PROGRAMME
"IDEAS"
**SP Ideas**
- Research at the frontier of knowledge mainly on physical sciences and engineering; life sciences; social sciences and humanities
- All calls are open to researchers of any nationality who intend to establish and conduct partly their research activity in any EU Member state or FP 7 associated country.
- Starting Grants Call / publication 10 July 2012
- Advanced Investigator Grants Call / publication 7 November 2012
- Advanced Grants Call / publication 7 November 2012
- ERC Synergy Grants Call / publication 10 October 2012
2. TARGETED OPENING (A)

Activities with a focus on international cooperation, **including but not restricted to MPC**
<table>
<thead>
<tr>
<th>THEME</th>
<th>ACTIVITY</th>
<th>TARGET</th>
<th>Type + budget</th>
<th>Call opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP Cooperation /KBBE</td>
<td>2.3.1 Plant high value products- from discovery to final products</td>
<td>All ICPC countries</td>
<td>Collaborative research projects /20M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation /ICT</td>
<td>3.9.4 International cooperation on FET research</td>
<td>All third countries</td>
<td>Additional funding to existing grants (IP, STREP)/2M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation /ICT</td>
<td>3.10.3 International partnership building and support to dialogues</td>
<td>All third countries</td>
<td>Coordination and Support Actions/8M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation /NMP</td>
<td>4.4.0-5 Deployment of societally beneficial nano and/or technologies in ICPC</td>
<td>All ICPC countries</td>
<td>Coordination and Support Actions/included in a broader call of 13,9M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation /Transport</td>
<td>7.3.1 Human factors (aeronautics / customer safety)</td>
<td>All third countries</td>
<td>Collaborative research projects/5M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation /Transport</td>
<td>7.7.2 Coordinating research and innovation on sustainable alternative fuels for aviation</td>
<td>All third countries</td>
<td>Coordination and Support actions/1,2M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>THEME</td>
<td>ACTIVITY</td>
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<td>Call opening</td>
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<tr>
<td>SP Cooperation/Transport</td>
<td>7.4.3 Biomechanics and advanced digital human body models and testing for vehicle safety</td>
<td>All third countries</td>
<td>Collaborative research projects/3M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.1-1 Climate-related ocean processes and combined impacts of multiple stressors on the marine environment</td>
<td>All third countries</td>
<td>Collaborative research projects/9M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.1-2 Atmospheric processes, eco-systems and climate change</td>
<td>All third countries</td>
<td>Collaborative research projects/9M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.1-3 Impacts of higher-end scenarios (global warming &gt; 2°C with respect to the pre-industrial level)</td>
<td>All third countries</td>
<td>Collaborative research projects/9M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.1-4 Land cover and land use change and climate change mitigation</td>
<td>All third countries</td>
<td>Collaborative research projects/6M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.1-5 Quantification of consumption-based emissions of greenhouse gases and assessment of policy options</td>
<td>All third countries</td>
<td>Collaborative research projects/3M€</td>
<td>10/07/2012</td>
</tr>
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<tr>
<td>SP Cooperation/Environment</td>
<td>6.1-6 Economics of adaptation to climate change</td>
<td>All third countries</td>
<td>Collaborative research projects/3M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td><strong>SP Cooperation/Environment</strong></td>
<td><strong>6.2-6 Improved monitoring of the impact of cultivation on the environment using global earth observations</strong></td>
<td>All third countries</td>
<td><strong>Collaborative research projects/9M€</strong></td>
<td><strong>10/07/2012</strong></td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.3-3 Contribution to the assessment of global water resources through the use of new earth observation datasets</td>
<td>All third countries</td>
<td>Collaborative research projects/9M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.5-1 Accelerating progress towards the Green Economy</td>
<td>All third countries</td>
<td>Coordination and support action/1M€</td>
<td>10/07/2012</td>
</tr>
<tr>
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<td>TARGET</td>
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<tr>
<td>SP Cooperation/Energy</td>
<td>5.6.1.1 Combined underground coal gasification and CO2 capture and storage</td>
<td>All third countries</td>
<td>Collaborative research projects/included in a broader call of 28,5M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Social sciences &amp; humanities</td>
<td>8.2.1.3 The role of multinational companies in addressing global development challenges</td>
<td>All ICPC countries</td>
<td>Collaborative research projects/2,5M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Security</td>
<td>10.2.4-1 Phase II demonstration programme on logistics and supply chain security</td>
<td>All third countries</td>
<td>Collaborative research projects</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Capacities/International cooperation</td>
<td>7.4 Supporting the awareness-raising of Horizon 2020 in third countries</td>
<td>All third countries</td>
<td>Coordination Actions/1M€</td>
<td>10/07/2012</td>
</tr>
</tbody>
</table>
3. TARGETED OPENING (B)

Activities with a focus on international cooperation, specifically targeting MPC
<table>
<thead>
<tr>
<th>THEME</th>
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<th>TARGET</th>
<th>Type + budget</th>
<th>Call opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP Cooperation/KBBE</td>
<td>2.1.4-3. Building the KBBE ERA Mediterranean agriculture</td>
<td>MPC</td>
<td>ERA NET /2 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Transport</td>
<td>3-2 Implementing innovative and green urban transport solutions in Europe and beyond</td>
<td>MPC</td>
<td>Coordination and Support Actions-coordinating activities /included in broader call of 20 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Transport</td>
<td>6-2 Towards a competitive and resource efficient port transport system</td>
<td>MPC</td>
<td>Coordination and Support Actions-coordinating activities /included in broader call of 25 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Transport</td>
<td>7 Technical and operational connectivity in intermodal freight transport</td>
<td>MPC</td>
<td>Collaborative research projects /included in broader call of 38.95 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Environment</td>
<td>6.5-4 Knowledge platforms, networking and uptake of research results for more strategic international R&amp;I cooperation</td>
<td>4 targeted regions: Latin America, ASEAN, MED and Black Sea, North Atlantic</td>
<td>Coordination and support action € - 1 M€ for MED and Black Sea (4M€ in total)</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>THEME</td>
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<tr>
<td>SP Cooperation/Energy</td>
<td>2.9.1 Research cooperation and knowledge creation in the area of renewable energy in Mediterranean partner countries</td>
<td>MPC</td>
<td>SICA /included in broader call of 51 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Energy</td>
<td>5.3.7.1 Developing regional and pan-European schemes for the sustainable delivery of non-food biomass feedstock in a pan-European integrated market</td>
<td>ENP countries</td>
<td>Coordination and Support Actions-coordinating action /included in broader call of 16 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Cooperation/Social sciences &amp; humanities</td>
<td>4.1-2 Facing transition in the South and East Mediterranean area: empowering the young generation</td>
<td>MPC</td>
<td>SICA /2.5 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
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<tr>
<td>SP Capacities/Activities of international cooperation</td>
<td>7.3 Supporting the coordination of national and regional policies and activities of Member States and/or Associated countries in the field of international cooperation (ERA-NET/ERA-NET PLUS).</td>
<td>MPC</td>
<td>Coordination and Support Actions /included in broader call of 10 M€</td>
<td>10/07/2012</td>
</tr>
<tr>
<td>SP Capacities/International cooperation</td>
<td>7.9 Reinforcing cooperation with EU Neighborhood Policy countries on bridging the gap between research and innovation (R2I-ENP)</td>
<td>ENP countries: -MPC -EaP countries</td>
<td>Supporting actions /9,5 M€</td>
<td>10/07/2012</td>
</tr>
</tbody>
</table>
THANK YOU FOR YOUR ATTENTION.