

**FP7 2012 Work Programme
International Dimension
Opportunities for Gulf Countries
(Bahrain, Kuwait, Oman, Qatar,
Saudi Arabia and UAE)**



FP7 Work Programmes

- Legal basis for the implementation of FP7
- WP 2012: contains full information on the calls for proposals to be published in 2011-2012 (details of topics and expected impacts, budgets and timing of calls etc.)
- WP 2012: actions of over €8 billion, including:
 - 39 calls issued on 20 July 2011 with budget of €5.31 billion
 - Additional 15 calls for €1.74 billion to be issued in 2011-2012
 - Other non-call activities also included
- For full text of calls see:

<http://ec.europa.eu/research/participants/portal>



Participation of Gulf Countries in FP7

- All calls open to the participation of researchers and/or research organisations from Gulf Countries
- Gulf countries eligible to participate as Industrialised countries except Oman as ICPC (International Cooperation Partner Country) who can also receive funding
- Consortia must have the minimum number of participants from Member States (MS) and/or Associated Countries (AC)

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INNOVATION UNION

- All topics of the main call FP-HEALTH-2012-INNOVATION-1 are open to all countries including Gulf Countries
- Two major calls – 20 July (€684 million)
- Research priorities:
 - Major focus on: ageing, including health systems, medical technologies, rare diseases
 - Other areas covered: personalised medicine, availability of organs for replacement, better understanding of ageing, chronic diseases related to ageing, diabetes and obesity, adapting healthcare to specific needs
- Strong emphasis on SMEs and medical technologies sector
- Supporting Pilot Initiative on Active and Healthy Ageing and the ongoing Innovative Medicines Initiative PPP

Health – particular interest for Gulf Countries

- International rare disease research: involving international cooperation **[HEALTH.2012.2.1.1-1-A]**
- Preparing the future for health research and innovation: topic envisages research beyond Europe including partnerships with industrialised countries **[HEALTH.2012.4.1.5]**



Food, Agriculture & Fisheries and Biotechnology (KBBE)

- One call - 20 July (€304.57 million)
- Research Priorities
 - Sustainable primary production; mitigating and adapting to climate change
 - Low carbon and resource efficient industry
 - Food security and safety for Europe and beyond
 - Socially inclusive and healthy Europe
- Calls have an emphasis on
 - Completing ERA
 - Linking existing and new initiatives for the bio-based economy
 - Stimulating innovation including knowledge transfer
 - Supporting European policies (CAP, CFP, Key Enabling Technologies etc)
 - Supporting international initiatives (eg. Millennium Development Goals)



KBBE – particular interest for Gulf Countries

- Strengthening cooperation for global food safety research
[Topic: KBBE.2012.2.4-03]
- Towards evidenced-based risk management of food allergies: calls for epidemiological studies in Europe and/or in third countries [Topic: KBBE.2012.2.4-04]
- International comparisons of product supply chains in the agro-food sectors: determinants of their competitiveness and performance on EU and international markets [Topic: KBBE.2012.1.4-09]
- Impact of lifestyle on well-being and diet-related disease
[Topic: KBBE.2012.2.2-03]
- Study on the need for food and health research infrastructures [Topic: KBBE.2012.2.2-02]



- Three ICT Calls - Call 8 (20 July; €787 million), Call 9 (18 January; €291 million), Call Future Internet (18 May; €80 million)
- Three Cross-thematic calls - Factories of the Future (20 July; 160 million); Energy-Efficient Buildings (20 July; 140 million); ICT for Green Cars (20 July; €330 million)
- FET call - still open for proposals
- Extension of 2011 work programme
- Focus around number of key challenges:
 - pervasive and trusted network and service infrastructures
 - cognitive systems and robotics
 - alternative paths to components and systems
 - technologies for digital content and languages
 - ICT for health, ageing well, inclusion and governance
 - ICT for a lower carbon economy
 - ICT for manufacturing & factories of the future
 - ICT for learning and access to cultural resources
- Support also for Future and Emerging Technologies (FET)



ICT – particular interest for Gulf Countries

- Future internet research and experimentation - cooperation with industrialised countries/emerging economies **[Topic: ICT-2011.1.6]**
- Challenging current thinking - actions aiming to strengthen the international dimension of FET **[Topic: ICT-2011.9.1]**
- Future networks - international partners targeted for support actions **[Topic: ICT-2011.1.1]**
- International cooperation on FET research **[Topic: ICT-2011.9.4]**



- Four calls - 20 July, €292.5 million
- Three cross-thematic calls - Factories of the Future, Energy Efficient Buildings, and Green Cars - 20 July (€335 million)
- Focus on smart and sustainable growth for a greener industry
- Challenges addressed include:
 - Energy and energy efficiency
 - Environmental issues and sustainability
 - Raw materials
 - Health and safety
 - Factories of the future
 - European energy-efficient buildings
 - Green cars

NMP- particular interest for Gulf Countries

- Nanotechnology solutions for in-situ soil and groundwater remediation: particularly impact on oil/gas industry **[Topic: NMP.2012.1.2.-1]**
- Total safety management for industrial organisations: international cooperation welcomed **[Topic: NMP.2012.3.0-2]**
- Support for standardisation needs - international cooperation welcomed **[Topic: NMP.2012.4.0-2]**
- Advanced magnetic materials - international cooperation welcomed **[Topic: NMP.2012.4.1-3]**



- Three calls - 20 July - €262 million
- Focus on the implementation plans and road maps of the European Strategic Energy Technology Plan (SET-Plan)
- Aim to accelerate market take up of most promising technologies in:
 - Solar
 - Wind
 - Bio-energy
 - Smart grids
 - Carbon Capture and Storage (CCS)
 - Smart cities
- All topics open to Gulf Countries



Environment

- Two calls - 20 July - €255 million
- Focus on five challenges for resource efficiency and climate resilience:
 - Coping with climate change
 - Sustainable use and management of land and seas
 - Improving resource efficiency
 - Protecting citizens from environmental hazards
 - Mobilising environmental knowledge for policy, industry and society
- Most topic areas are evaluated through a two-stage process
- Emphasis on innovation
- All topics open to international participation



Environment- particular interest for Gulf Countries

- Development of advanced techno-economic modelling tools for assessing costs and impacts of mitigation policies [Topic: ENV.2012.6.1-2]
- Strategies, costs and impacts of adaptation to climate change [Topic: ENV.2012.6.1-2]
- Operational potential of ecosystems services and natural capital for sustainable land, water and urban management - international collaboration encouraged [Topic: ENV.2012.6.2-1]

- Seven calls to be published on 20 July
 - Aeronautics (three calls - €145 million)
 - Surface Transport (one call - €114 million)
 - Horizontal issues (two calls - €36 million)
 - Cross-thematic (one call - €35 million)
- Three strategic research and innovation priorities for 2012:
 - Eco-innovation
 - Safe and seamless mobility
 - Competitiveness through innovation

Transport- particular interest for Gulf Countries

- Fostering innovation for trans-national transport research cooperation: experiences from other industrialised countries encouraged
[Topic: TPT.2012.3-1]
- Aircraft safety - 6 topics: international cooperation encouraged [Area: AAT.2012.1.3.3]
- Operational safety - 4 topics: international cooperation encouraged [Area: AAT.2012.1.3.4]



Socio-Economic Sciences and the Humanities (SSH)

- Two calls - 20 July - €87 million
- Four priorities for 2012 work programme:
 - The Innovation Union in support of smart growth
 - Inclusive and sustainable growth
 - Reshaping the European economy and strengthening the political unity of the EU
 - Support for developing the external policies of the EU
- International cooperation strongly encouraged in all topics and challenges



- One call - 20 July - 84 million
- Focus in 2012:
 - The development of GMES
 - (Pre)-operational validation of GMES services and products
 - Support to the coordinated provision of observation data
 - Development of earth observation satellites
 - Strengthening the foundations of space S&T
 - Research to support space science and exploration
 - Research to support space transportation and key technologies
 - Cross-cutting activities

Space – particular interest for Gulf Countries

- Support for emergency response management - should target areas inside or outside of Europe **[Topic: SPA.2012.1.1-04]**



- One call - 20 July - €241.7 million
- Seven activity areas:
 - Security of citizens
 - Security of infrastructures and utilities
 - Intelligent surveillance and border security
 - Restoring security and safety in case of crisis
 - Security systems integration, interconnectivity and interoperability
 - Security and society
 - Security research coordination and structuring

Security- particular interest for Gulf countries

- Drinking water security management and mitigation against CBRN contamination [Topic: SEC.2012.1.5-02]
- Countering illegal export of metal-bearing waste [Topic: SEC.2012.2.2-1]
- Air traffic management/control threat assessment [Topic: SEC.2012.2.2-2]
- Improving security in air cargo transport [Topic: SEC.2012.2.2-3]
- Aviation security - reducing costs and facilitating passenger flows [Topic: SEC.2012.2.2-4]
- Security of supply chain [Topic: SEC.2012.2.4-1]
- Development of mobile laboratories/facilities for rapid assessment of CBRN events [Topic: SEC.2012.4.4-1]
- Use of communication/social media in crises [Topic: SEC.2012.6.1-3]

Research Infrastructures

- One call - 20 July - €90 million
- Last call in FP7 (call budget to be supplemented in 2013)
- Main lines of action:
 - Support to existing research infrastructures
 - Support to new research infrastructures/major upgrades
 - Support for policy development/programme implementation
- All topics open for participation from Gulf countries



Research Infrastructures – Gulf countries

- Topics of particular interest may include:
 - Coordination actions, conferences and studies supporting policy development, including international cooperation, for e-Infrastructures **[Topic: INFRA-2012-3.3]**
 - Biological Resources Centres for micro-organisms - global approach **[Topic: INFRA-2012-1.1.6]**
 - Experimental facilities for animal disease infectiology - global approach **[Topic: INFRA-2012-1.1.7]**
 - Plant Genetic Resources Centres - global approach **[Topic: INFRA-2012-1.1.10]**



- One call - 20 July - €37.4 million
- Focus on enabling responsible research and innovation (RRI) in the European Research Area
- All topics open for participation from Gulf countries



Science in Society – particular interest for Gulf countries

- International coordination in RRI
[Topic: SiS-2012.1.2.1-1]
- Scientific data: open access, dissemination, preservation and use [Topic: SiS-2012.1.3.3-1]



International Cooperation

- Two calls - 20 July - €32 million
- Focus on
 - Bi-regional cooperation for addressing societal challenges, supporting policy dialogue and developing cooperation in innovation (INCO-NET): Gulf countries can participate but are not targeted
 - Bilateral coordination for the enhancement and development of S&T partnerships (BILAT): Gulf countries can participate but are not targeted



Ideas Programme

- The European Research Council (ERC) – first pan-European funding organisation for frontier research
- ERC grants are rewarded, to attract or repatriate to Europe, early-career and senior top researchers, **of any nationality, and their teams**, for five-year projects
- Principal Investigator (PI) has to conduct its research project in any EU Member State (MS) or FP7 associated country (AC); PIs need to physically spent at least 50% of their time in the MS/AC
- Investigator driven research / bottom-up approach. For all fields of research, from Social sciences to Life Sciences and Physical Sciences. No thematic priorities. Scientific excellence is the only criterion for success



Ideas Programme

- Grant packages: Starting Grant: up to €2 million / Advanced Grant: up to €3.5 million Starting Grant call - 20 July - €729.98 million / Advanced Grant call - 16 November - €679.98 million
- New Scheme: 'ERC Synergy': will support small groups of PIs working jointly on similar research projects - Up to €15 million/ grant over 6 years – call publication in October 2011 – for very limited number of projects
- Evaluation: single submission of proposal – 2 stage evaluation, interviews for some ERC schemes



Marie Curie Actions

- Two calls issued on 20 July 2011 (ITN and IRSES), six other from 19 October 2011 until 13 March 2012 - Total budget ca. €900 million;
- Nearly all Marie Curie Actions are open to institutions and researchers from the Gulf countries;
- The '**World Fellowship**' calls are of particular interest to Gulf countries:
 - **IOF** (for EU MS/AC researchers going to institutions in Gulf Countries) - 13 March 2012 - €40 million;
 - **IIF** (for researchers from Gulf countries going to institutions in EU MS/AC) - 13 March 2012 - €40 million.



Marie Curie Actions – particular interest for Gulf countries

Institutions located in Gulf countries are eligible in the following actions:

- **ITN:** Initial Training Networks;
- **IAPP:** Industry-Academia Partnership and Pathways;
- **IOF:** International Outgoing Fellowships.

Researchers from Gulf countries are eligible in all above-mentioned actions (excluding IOF) and in the following actions:

- **COFUND:** Co-funding of Regional, National and International Programmes;
- **IIF:** International Incoming Fellowships;
- **CIG:** Career Integration Grants.

