

1. Oceans of the future	Approx. BUDG: 119 Mio EUR
<p>a) KBBE WP KBBE.2013.1.2-08: Innovative insights and tools to integrate the ecosystem-based approach into fisheries advice 6 mio KBBE.2013.1.2-09: Diversification of fish species and products in aquaculture 9 mio KBBE.2013.1.2-10: Boosting the domestication of established farmed finfish species through selective breeding 6 mio KBBE.2013.1.2-11: Assessment of organic aquaculture for further development of European regulatory framework 1,5 mio KBBE.2013.3.2-01: Marine biotechnology ERA-NET 2 Mio KBBE.2013.3.2-02: The CO2 algae biorefinery 20 mio</p> <p>b) Energy WP Energy.2013.10.1.3: Supporting the coordination of national research activities of Member States and Associated States in the field of OCEAN energy (ERA-NET) 2 Mio</p> <p>c) ENV WP ENV.2013.6.1-1 Climate-related ocean processes and combined impacts of multiple stressors on the marine environment 9 mio ENV.2013.6.2-8 Sustainable management of Europe's deep sea and sub-sea floor resources 9 mio</p> <p>d) Security WP SEC-2013.2.4-2 Non-military protection measures for merchant shipping against piracy no budget indicated for single calls (just for a group of calls) SEC-2013.5.3-2 Testing the interoperability of maritime surveillance systems no budget indicated for single calls (just for a group of calls)</p> <p>e) cross-thematic OCEAN of Tomorrow Call 55 mio in total OCEAN 2013.1: Biosensors for real time monitoring of biohazard and man made chemical contaminants in the marine environment (KBBE, NMP, ENV) OCEAN 2013.2: Innovative multifunctional sensors for in-situ monitoring of marine environment and related maritime activities (KBBE, ENV) OCEAN 2013.3: Innovative antifouling materials for maritime applications (KBBE, NMP, Transport) OCEAN 2013.4: Innovative transport and deployment systems for the offshore wind energy sector (KBBE, Energy, Transport)</p>	
2. Water	Approx. BUDG: 94 Mio EUR
<p>a) KBBE WP KBBE.2013.2.5-02: Saving water and energy for resource-efficient food processing 18 mio KBBE.2013.1.2-01: Agro-silvo-pastoral systems for Europe 6 mio</p>	

<p>b) ENV WP WATER Inno&Demo Call 40 mio in total ENV.2013.WATER INNO&DEMO-1 Water efficiency and innovation demonstration projects ENV.2013.WATER INNO&DEMO-2 Ensuring the integration of water and innovation demonstration projects and support to trans-national networks of procurers</p> <p>Additional related topics: ENV.2013.6.2-1 Water resources management under complex, multi-stressor conditions 9mio ENV.2013.6.2-2 Toxicants, environmental pollutants and land and water resources management 12mio ENV.2013.6.3-3 Contribution to the assessment of global water resources through the use of new Earth Observation datasets and techniques 9mio</p>	
<p>3. Raw materials</p>	<p>Approx. BUDG: 11 Mio EUR</p>
<p>a) NMP WP NMP.2013.4.1-1 Development of new materials for the substitution of critical metals – coordinated call with the Japan Science and Technology Agency 5mio NMP.2013.4.1-2 Breakthrough Solutions for Mineral Extraction and Processing in Extreme Environments no budget indicated for single calls (just for a group of calls) NMP.2013.4.1-3 European Intelligence Network on the Supply of Raw Materials 2 mio</p>	
<p>c) ENV WP ENV.2013.6.3-1 Turning waste into a resource through innovative technologies, processes and services no info in the WP ENV.2013.6.2-3 Transition to sustainable, low carbon societies 3mio ENV.2013.6.2-8 'Sustainable management of Europe's deep sea and sub-sea floor resources (not counted since already included in Oceans of Future) ENV.2013.6.3-2 Eco-innovative demonstration projects no info in the WP ENV.2013.6.5-2 Mobilising environmental knowledge for policy and society', sub-topic d) 'Raising societal awareness and tackling skill shortages on raw materials. 1mio</p>	
<p>4. Smart Cities</p>	<p>Approx. BUDG: 363,5 Mio</p>
<p>a) ICT WP ICT-2013.1.4 Internet of Things and the Digital Enterprise 20 Mio ICT-2013.6.2 Data Centres in an energy-efficient and environmentally friendly Internet 20 Mio ICT-2013.6.6 Co-operative mobility 15 Mio</p>	

ICT-2013.6.4 Optimising Energy Systems in Smart Cities **40 Mio**

b) Energy WP

Energy.2013.7.1.1: Development and validation of methods and tools for network integration of distributed renewable resources

Energy.2013.7.3.1: Planning rules for linking electric vehicles (EV) to distributed energy resources **24 Mio for 2013.7.1.1, 2013.7.3.1 and 2013.7.3.2**

Energy.2013.7.3.2: Enhanced interoperability and conformance testing methods and tools for interaction between grid infrastructure and electric vehicles

Energy.2013.8.8.1: Demonstration of optimised energy systems for high performance-energy districts **90 Mio**

c) ENV WP

ENV.2013.6.2-3 'Transition to sustainable, low carbon societies' **6 Mio**

ENV.2013.6.4-2 Closing gaps of knowledge and reducing exposure to electromagnetic fields (EMF) **6 Mio**

ENV.2013.6.5-2 Mobilising environmental knowledge for policy and society', sub-topic e) 'Implications of socio-economic research on air pollution policy **1Mi**

d) Transport WP

GC.SST.2013-1: Feasibility analysis and technological development of on-road charging for long term electric vehicle range extension **10 mio**

GC.SST.2013-4: Demonstration of electric buses as urban public transport **13,5 Mio**

e) SSH WP

SSH-2013.7.1-1. Post-carbon cities in Europe: a long-term outlook **2 Mio**

f) Energy efficient Buildings Call TOTAL 116 Mio

EeB.NMP.2013-1 Nanotechnology for multifunctional lightweight construction materials and components **(NMP)**

EeB.NMP.2013-2 Safe, energy-efficient and affordable eco-innovative materials for building envelopes and/or partitions to provide a healthier indoor environment **(NMP)**

EeB.NMP.2013-3 Integration of technologies for energy-efficient solutions in the renovation of public buildings **(NMP)**

EeB.NMP.2013-4 Integrated control systems and methodologies to monitor and improve building energy performance **(NMP)**

EeB.NMP.2013-5 Optimised design methodologies for energy-efficient buildings integrated in the neighbourhood energy systems **(NMP)**

EeB.NMP.2013-6 Achieving high efficiency by deep retrofitting in the case of commercial buildings **(NMP)**

EeB.ENV.2013.6.3-4 Energy efficient retrofitting and renewal of existing buildings for sustainable urban districts **(ENV)**

5. Secure clean and efficient energy

Approx. BUDG: 138,5 Mio
EUR

a) KBBE WP

KBBE.2013.2.5-02: Saving water and energy for resource-efficient food processing (not counted since already included in Water)

KBBE.2013.3.4-01: Preventing and valorising bio-waste in biorefineries 12 Mio

KBBE.2013.3.6-02: Synthetic Biology towards applications 20 Mio

b) Energy WP

Activity Energy.2: Renewable Electricity Generation: TOTAL Approx. 50 Mio

Energy.2013.2.1.1: High efficiency c-Si photovoltaics

Energy.2013.2.1.2: Support to key activities of the European Photovoltaics Technology Platform (TP PV)

Energy.2013.2.3.1: Advanced aerodynamic modelling, design and testing for large rotor blades

Energy.2013.2.3.2: Small to medium size wind turbines

Energy.2013.2.4.1: Exploration and assessment of geothermal reservoirs

Energy.2013.2.6.1: Design tools, enabling technologies and underpinning research to facilitate ocean energy converter arrays

Energy.2013.2.7.1: Optimisation of water turbines for integration of renewables into the grid

Activity Energy.4: Renewables for Heating and Cooling

Energy.2013.4.1.1: Research and development of innovative solar thermal facades no budget indicated for single calls (just for a group of calls)

Activity Energy.10: Horizontal Programme Actions

Energy.2013.10.1.2: ERA-NET Plus – European wind resources assessment 5 Mio.

ENERGY.2013.10.1.3: Supporting the coordination of national research activities of Member States and Associated States in the field of OCEAN energy (ERA-NET) 2 Mio.

FP7-ENERGY-2013-IRP: TOTAL 37,5 Mio.

Energy.2013.10.1.5: Integrated research programme in the field of photovoltaics

Energy.2013.10.1.6: Integrated research programme in the field of wind energy

Energy.2013.10.1.7: Integrated research programme in the field of bioenergy

Energy.2013.10.1.8: Integrated research programme on smart grids
 Energy.2013.10.1.9: Integrated research programme on electrochemical storage
 Energy.2013.10.1.10: Integrated Research Programme in the field of Concentrated Solar Power (CSP)
 ENERGY.2013.2.1.2: Support to key activities of the European Photovoltaics Technology Platform (TP PV)
 ENERGY.2013.3.7.2: Support to key activities of the European Biofuels Technology Platform (EBTP)
 ENERGY.2013.10.1.4: Mobilising the research, innovation and educational capacities of Europe's universities

c) ENV WP

ENV.2013.6.2-3 Transition to sustainable, low carbon societies **3 Mio**
 ENV.2013.6.4-4 Towards stress tests for critical infrastructures against natural hazards **3 Mio**
 ENV.2013.6.5-2 Mobilising environmental knowledge for policy and society', sub-topic a) 'Policy and economic implications of the post-2012 climate agreements. **6 Mio (one million per one proposal in each of the six subtopics)**

d) Security WP

SEC-2013.2.2-3 Protection of smart energy grids against cyber attacks **no budget indicated for single calls (just for a group of calls)**
 SEC-2013.2.2-4 Cost effectiveness of security measures applied to renewable/distributed energy production and distribution **no budget indicated for single calls (just for a group of calls)**

6. Public sector reform

Approx. BUDG: **41,5 Mio EUR**

a) ICT WP

ICT-2013.5.4 ICT for Governance and Policy Modelling **19 Mio**

b) SSH WP

SSH.2013.1.2-1. Overcoming youth unemployment in Europe **4 Mio**
 SSH.2013.1.3-1. The impact of ageing societies on public finances in Europe **2,5 Mio**
 SSH.2013.1.3-2. Better integrating financial markets into, policy focused, macro models **2, 5 Mio**
 SSH.2013.2.1-4. The future of the welfare state **6 Mio**
 SSH.2013.3.1-1. Addressing European governance of transnational mobility: assessing forms of temporary migration **2, 5 Mio**
 SSH.2013.5.1-1. Citizens' resilience in times of crisis **2,5 Mio**

SSH-2013.5.1-2. Addressing demand in anti-trafficking efforts and policies 2,5 Mio	
c) Security WP SEC-2013.2.1-1 Evidence based and integral security concepts for government asset protection – Capability Project no budget indicated for single calls (just for a group of calls)	
7. Brain research	Approx. BUDG: 144 Mio EUR
a) Health WP Health.2013.2.2.1-1: Prospective longitudinal data collection and Comparative Effectiveness Research (CER) for traumatic brain injury (TBI) 30 Mio TOTAL 96 Mio: Health.2013.2.2.1-2: Development of effective imaging tools for diagnosis, monitoring and management of mental disorders Health.2013.2.2.1-3: Paediatric conduct disorders characterised by aggressive traits and/or social impairment: from preclinical research to treatment Health.2013.2.2.1-4: Patho-physiology and therapy of epilepsy and epileptiform disorders Health.2013.2.2.1-5: Understanding and controlling pain b) KBBE WP KBBE.2013.2.2-01: New technologies to study brain function in relation to eating behaviour 9 Mio KBBE.2013.2.2-02: Factors influencing the human gut microbiome and its effect on the development of diet-related diseases and brain development 9 Mio	
8. Anti-microbial resistance	Approx. BUDG: 99 Mio Eur
a) Health WP Health.2013.2.3.1-1: Drugs and vaccines for infections that have developed or are at the risk of developing significant anti-microbial resistance. 45 Mio Health.2013.2.3.1-2: Stratified approaches to antibacterial and/or antifungal treatment 24 Mio b) KBBE WP KBBE.2013.1.3-05 Ecology of drug resistant bacteria and transfer of antimicrobial resistance throughout the food chain. 9 Mio KBBE.2013.1.1-01: Development and exploitation of genomic data and tools, phenotyping approaches and breeding concepts to sustainable animal production systems 9 Mio	

<p>KBBE.2013.1.3-03: Sustainable animal production: an integrated and multi-factorial approach 9 Mio</p> <p>KBBE.2013.3.5-01: New, fast, and reliable molecular detection methodologies 3 Mio</p> <p>c) NMP NMP.2013.1.2-2 Nanotherapeutics to treat bacterial infectious diseases no budget indicated for single calls (just for a group of calls)</p>	
<p>9. Bio Resource Efficiency</p>	<p>Approx. BUDG: 96 Mio Eur + almost the whole KBBE WP (341 Mio) = 437 Mio Eur</p>
<p>a) KBBE WP – almost the whole WP 341 Mio</p> <p>b) Energy WP Energy.2013.3.2.1: Pre-commercial industrial scale demonstration plant on paraffinic biofuels for use in aviation Approx. 40 Mio Energy.2013.3.7.1: Support to the sustainable delivery of non-food biomass feedstock at local, regional and pan-European level 4 Mio Energy.2013.10.1.1: ERA-NET Plus – Bioenergy: Demonstrations of the European Industrial Bioenergy Initiative. 20 Mio.</p> <p>c) ENV WP ENV.2013.6.1-4 Land cover and land-use change and climate change mitigation 6 Mio ENV.2013.6.1-5 Quantification of consumption-based emissions of greenhouse gases and assessment of policy options 3 Mio ENV.2013.6.2-4 Sustainable land care in Europe 9 Mio ENV.2013.6.2-6 Improved monitoring of the impact of cultivation on the environment using global Earth Observations 9 Mio ENV.2013.6.5-1 Accelerating progress towards the Green Economy', sub-topic c) 'Business practices for promoting the 'Green Economy' and sustainable production and consumption post Rio+20 1 Mio</p> <p>d) SSH WP SSH-2013.2.1-1. Obstacles and prospects for sustainable lifestyles and green economy in Europe 4 Mio</p>	
<p>10. Europe: a destination for world-class researchers</p>	
<p>a) ERC b) Marie-Curie Actions</p>	

