



Agentschap NL
Ministerie van Economische Zaken

Wegwijzer *Horizon 2020*

*>> Als het gaat om duurzaamheid,
innovatie en internationaal*

Calls 2014-2015

Voorwoord

In deze wegwijzer...

Deze wegwijzer leidt u door Horizon 2020, hét programma van de Europese Commissie om onderzoek en innovatie (financieel) te ondersteunen. Het geeft een overzicht van de vele mogelijkheden binnen de verschillende Horizon-onderdelen:

I. Excellent Science

- European Research Council (ERC)
- Marie Skłodowska-Curie
- Future and Emerging Technologies (FET)
- Research infrastructures

II. Industrial Leadership

- Information- and Communication Technologies
- Nanotechnologies, Advanced materials, Biotechnology, Advanced manufacturing and Processing
- Space
- Innovation in SMEs
- Access to Risk Finance

III. Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy
- Secure, Clean and Efficient Energy
- Smart, Green and Integrated Transport
- Climate Action, Environment, Resource Efficiency and Raw materials
- Inclusive, Innovative and Reflective societies
- Secure Societies - Protecting freedom and security of Europe and its citizens

De wegwijzer geeft een overzicht van de mogelijkheden in 2014 en 2015, gebaseerd op de werkprogramma's van de Europese Commissie. De eerste calls (financieringsrondes) gaan al op 11 december 2013 open. De sluitingsdata variëren per onderdeel. Let op: hoewel de werkprogramma's voor 2014-2015 vastliggen kan de inhoud voor 2015 nog wijzigen. Ga bij het indienen van uw projectaanvraag altijd uit van de definitieve, officiële documenten.

Vind uw match met Horizon 2020

Deze wegwijzer leidt u door het omvangrijke Horizon programma.

Stap 1: Blader door verschillende Horizon-onderdelen en kijk welke kansen er voor u liggen.

Stap 2: Ziet u een interessant onderwerp (topic)? De complete beschrijving hiervan leest u in het werkprogramma van het betreffende Horizon-onderdeel. Dat document kunt u downloaden, zie het kopje "meer informatie" hieronder.

Projectvormen

Horizon 2020 financiert vooral onderzoeks- en innovatieprojecten, zowel kleinschalige als grootschalige. Soms wordt specifiek gevraagd om deelname van het midden- en kleinbedrijf (MKB). Daarnaast is er financiering voor programma ondersteunende projecten zoals het organiseren van een evenement of het schrijven van een onderzoeksagenda. Tenslotte ondersteunt Horizon 2020 innovatiegericht inkopen en afstemming van nationale onderzoeksprogramma's. De verschillende projectvormen worden als volgt afgekort:

Afkorting	Betekenis	Soort project	Aantal partners	Subsidie
R&I	Research and innovation action	Onderzoeksproject met mogelijk innovatie-elementen	3+	100%
Innovation	Innovation action	Innovatieproject (demo, pilot, market replication)	3+	70% (non-profit 100%)
SME	SME Instrument	Innovatieproject door het midden- en kleinbedrijf (MKB)	1+	70% (soms 100%)
CSA	Coordination and support action	Ondersteunende activiteiten	1+	100%
PCP	Pre-Commercial Procurement	Aanbesteden van onderzoek en innovatie	3+	70% cofinanciering
PPI	Public Procurement of Innovation	Aanbesteden van innovatieve producten of diensten	3+	33% cofinanciering
ERA-NET	-	Afstemming nationale onderzoeksprogramma's	3+	33% cofinanciering

Meer informatie

Kijk voor algemene informatie op de Horizon 2020 website van de Europese Commissie, zie ec.europa.eu/research/horizon2020 Documenten zoals werkprogramma's kunt u downloaden van ec.europa.eu/research/participants/portal (tabblad "funding opportunities").

Andere Europese programma's

Naast Horizon 2020 zijn er meer Europese programma's die onderzoeks- en innovatieprojecten financieren. Eurostars is er speciaal voor het high-tech midden- en kleinbedrijf. COST financiert coördinatie van een onderzoeksgebied. Tenslotte zijn er diverse programma's die projecten financieren op een specifiek gebied, zoals elektronica, luchtvaart, biobased economy en medicijnontwikkeling. Kijkt u voor meer details op de Agentschap NL website.

Contact

Meer weten? Behoefte aan persoonlijk advies? Agentschap NL, het Expertisecentrum voor internationaal Onderzoek en Innovatie (EiOI) helpt u graag op weg. Neem contact op met onze adviseurs via 088 602 5250. Of kijk op www.agentschapnl.nl/horizon2020

European Research Council (ERC)

ERC stimuleert excellente onderzoekers om de wetenschappelijke grenzen binnen hun vakgebied te verleggen (frontier research). Het is niet noodzakelijk dat dit onderzoek in internationaal verband wordt uitgevoerd.

Het call-budget bedraagt 1663 miljoen euro voor 2014 en 1669 miljoen euro voor 2015.

Calls 2014	Budget (miljoen euro)	Sluiting
ERC Starting Grant	485	25-03-2014
ERC Consolidator Grant	713	20-05-2014
ERC Advanced Grant	450	21-10-2014
ERC Proof of Concept	15	01-04-2014 en 01-10-2014

N.B. Er komt in 2014 géén call voor de ERC Synergy grant.

Calls 2015	Budget (miljoen euro)	Sluiting (indicatief)
ERC Starting Grant	411	03-02-2015
ERC Consolidator Grant	603	12-03-2015
ERC Advanced Grant	640	02-06-2015
ERC Proof of Concept	15	23-04-2015 en 01-10-2015

N.B. De sluitingsdata voor 2015 zijn indicatief en kunnen nog wijzigen. Mogelijk komt er in 2015 weer een call voor de ERC Synergy grant.

Marie Skłodowska-Curie

Marie Skłodowska-Curie ondersteunt onderzoekers bij het uitbouwen van hun internationale onderzoeks carrière. Zo zijn er bijvoorbeeld mogelijkheden om (met financiële ondersteuning) gedurende een bepaalde periode onderzoek te doen in het buitenland en om buitenlandse onderzoekers tijdelijk in dienst te nemen.

Het call-budget bedraagt 805 miljoen euro voor 2014 en 743 miljoen euro voor 2015.

Calls 2014	Budget (miljoen euro)	Sluiting
Innovative Training Networks (ITN)	405	09-04-2014
Individual Fellowships (IF)	240,5	11-09-2014
Research and Innovation Staff Exchange (RISE)	70	24-04-2014
Co-funding of regional, national and international programmes (COFUND)	80	02-10-2014
European Researchers' Night (NIGHT)	8	04-03-2014
Call for Trans-national cooperation among Marie Skłodowska-Curie National Contact Points (NCP)	1,5	02-04-2014

Calls 2015	Budget (miljoen euro)	Sluiting
Innovative Training Networks (ITN)	370	13-01-2015
Individual Fellowships (IF)	213	10-09-2015
Co-funding of regional, national and international programmes (COFUND)	80	28-04-2015
Research and Innovation Staff Exchange (RISE)	80	01-10-2015

Future and Emerging Technologies (FET)

FET financiert samenwerkingsprojecten die wetenschappelijke grenzen verleggen en zo de basis leggen voor toekomstige technologieën. Het call-budget bedraagt 212 miljoen euro voor 2014 en 260 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
FET-Open				
FETOPEN 1	FET-Open research projects	R&I	154	30-09-2014, 31-03-2015, 29-09-2015
FETOPEN 2	Coordination and Support Activities 2014 a) FET Observatory b) FET Communication c) FET Exchange d) FET Conference e) FET Prizes f) FET Impact	CSA	3	30-09-2014
FETOPEN 3	Coordination and Support Activities 2015 a) FET Exchange b) FET Take-Up	CSA	3	31-03-2015 29-09-2015
FET Proactive – emerging themes and communities				
01-04-2104				
FETPROACT 1	Global Systems Science (GSS)	R&I	10	
FETPROACT 2	Knowing, doing, being: cognition beyond problem solving	R&I	15	
FETPROACT 3	Quantum simulation	R&I	10	
FET-Proactive - towards exascale high performance computing				
FETHPC 1	HPC Core Technologies, Programming Environments and Algorithms for Extreme Parallelism and Extreme Data Applications		93,4	25-11-2014
	a) HPC core technologies and architectures	R&I		
	b) Programming methodologies, environments, languages and tools	R&I		
	c) APIs and systems software for future extreme scale systems	R&I		
	d) New mathematical and algorithmic approaches	R&I		
FETHPC 2	HPC Ecosystem Development		4	25-11-2014
	a) Coordination of the HPC strategy	CSA		
	b) Excellence in High Performance Computer Systems	CSA		
FET-Flagships - tackling grand interdisciplinary science and technology challenges				
FETFLAG 1	Framework Partnership Agreement	NO funding		10-04-2014
FETFLAG 2	Graphene FET Flagship Core Project	R&I	89	09-04-2015
FETFLAG 3	Human Brain Project FET Flagship Core Project	R&I	89	09-04-2015
FETFLAG 4	Policy environment for FET Flagships	CSA	1,6	10-04-2014

Research infrastructures

Het totaal budget bedraagt circa 279 miljoen euro voor 2014 en circa 304 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Call 1	Developing new world-class research infrastructures		70 (2014) 129 (2015)	
INFRADEV 1	Design Studies	CSA or R&I	15 (1-3 per project)	02-09-2014
INFRADEV 2	Preparatory Phase of ESFRI projects	CSA or R&I	14	14-01-2015
INFRADEV 3	Individual implementation and operation of ESFRI projects	R&I	90 (<15 per project)	14-01-2015
INFRADEV 4	Implementation and operation of cross-cutting services and solutions for clusters of ESFRI and other relevant research infrastructure initiatives	R&I	80 (6-15 per project)	02-09-2014
Call 2 - INFRAIA1	Integrating and opening existing national and regional research infrastructures of European interest		90 (2014) 50 (2015)	02-09-2014
	Biological and Medical Sciences - Starting Communities	R&I	<5 per project	
	Health information, clinical data, samples and medical images – support to population studies New tools and resources for analysing and integrating genomic, epigenomic, proteomic, metabolomic and phenomic data Plant and forestry material resources European nanomedicine characterisation infrastructure Research infrastructures supporting rare diseases research			
	Biological and Medical Sciences - Advanced Communities	R&I	<10 per project	
	High-containment biosafety facilities and virus collections including for high-risk animal/human pathogens Vaccine infrastructures Infrastructural support to translating research on biological structures into innovation in biomedicine Research infrastructures in aquaculture			
	Energy - Starting Communities	R&I	<5 per project	
	European facilities for electrochemical energy storage testing Testing of wind turbines, ocean energy converters and electrical subsystems for grid integration under laboratory conditions			
	Energy - Advanced Communities	R&I	<10 per project	
	European smart grids research infrastructure			
	Environmental and Earth Sciences - Starting Communities	R&I	<5 per project	
	Research infrastructures for hydrological/ hydrobiological research Research infrastructures for research on crustal fluids and geo-resources Research infrastructures for long-term ecosystem and socio-ecological research			

Research infrastructures for ocean drilling			
Environmental and Earth Sciences - Advanced Communities	R&I	<10 per project	
Aerosol, clouds, and trace gases research infrastructure			
Research infrastructures for environmental hydraulic research			
Research infrastructures for terrestrial research in the Arctic			
Research infrastructures for forest ecosystem and resources research			
Research infrastructures for integrated and sustained coastal observation			
Mathematics and ICT - Starting Communities	R&I	<5 per project	
Distributed, multidisciplinary European infrastructure on Big Data and social data mining			
Mathematics and ICT - Advanced Communities	R&I	<10 per project	
Integrating activity for facilitating access to HPC (High Performance Computing) centers			
Engineering, Material Sciences, and Analytical facilities - Starting Communities	R&I	<5 per project	
Advanced frontier research in nanoelectronics			
Engineering, Material Sciences, and Analytical facilities - Advanced Communities	R&I	<10 per project	
Advanced nanofabrication			
Advanced material research based on large-scale facilities			
Leading-edge research based on advanced laser sources			
Functional materials for special applications			
Facilities for research on materials under extreme conditions			
Large-scale testing facilities for engineering applications			
Physical Sciences - Starting Communities	R&I	<5 per project	
European laboratory astrophysics			
Research infrastructures for high-energy astrophysics			
Science at deep-underground laboratories			
Integrating gravitational wave research			
Physical Sciences - Advanced Communities	R&I	<10 per project	
Detectors for future accelerators			
Research infrastructures for nuclear physics			
European planetary science			
Social Sciences and Humanities - Starting Communities	R&I	<5 per project	
Generations and gender: a cross-national longitudinal data infrastructure for research on social cohesion and social inclusion and the study of inter-generational relations			
Research infrastructures for studying the role of intangible investment for economic growth and for the study of cultural, historical and institutional innovation processes			
Social Sciences and Humanities - Advanced Communities	R&I	<10 per project	
Contemporary European history: European Holocaust research infrastructure			
European research infrastructures for restoration and conservation of cultural heritage			

Call 3		e-Infrastructures		95 (2014)	82 (2015)
EINFRA 1	Managing, preserving and computing with big research data	R&I			02-09-2014
EINFRA 2	e-Infrastructure for Open Access	R&I			15-4-2014
EINFRA 3	Towards global data e-infrastructures – Research Data Alliance	CSA			02-09-2014
EINFRA 4	Pan-European High Performance Computing infrastructure and services	R&I			02-09-2014
EINFRA 5	Centres of Excellence for computing applications	R&I	4-5 per project		14-01-2015
EINFRA 6	Network of HPC Competence Centres for SMEs	CSA			02-09-2014
EINFRA 7	Provision of core services across e-infrastructures	R&I			02-09-2014
EINFRA 8	Research and Education Networking – GÉANT Framework Partnership Agreement	NO funding			02-09-2014
EINFRA 9	e-Infrastructures for virtual research environments (VRE)	R&I	2-8 per project		14-01-2015
Call 4		Support to Innovation, Human resources, Policy and International cooperation		22 (2014)	16,5 (2015)
INFRASUPP 1	Innovation support measures	CSA			02-09-2014
INFRASUPP 2	Innovative procurement pilot action in the field of scientific instrumentation				14-01-2015
	A. Feasibility studies	CSA			
	B. Pre-commercial procurement in the field of scientific instrumentation	PCP			
	C. Public procurement of innovative scientific instrumentation	PPI			
INFRASUPP 3	Strengthening the human capital of research infrastructures	CSA			02-09-2014
INFRASUPP 4	New professions and skills for e-infrastructures	CSA			14-01-2015
INFRASUPP 5	Policy measures for research infrastructures	CSA			02-09-2014
INFRASUPP 6	International cooperation for research infrastructures	CSA			02-09-2014
INFRASUPP 7	e-Infrastructure policy development and international cooperation	CSA			02-09-2014
INFRASUPP 8	Network of National Contact Points	CSA			14-05-2014

Industrial Leadership

Information and Communication Technologies (ICT)

Het call-budget bedraagt 709,5 miljoen euro voor 2014 en 590 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
A new generation of components and systems				
ICT 1	Smart Cyber-Physical Systems			23-4-2014
	a) Research & Innovation Actions: Modelling and integration frameworks, Smart, cooperative and open CPS	R&I	37	
	b) Innovation Actions: Stimulate innovation and connect innovators across value chains: Towards platforms and ecosystems, Towards a "smart everywhere" society	Innovation	17	
	c) Support Actions	CSA	2	
ICT 2	Smart System Integration			23-4-2014
	a) Research & Innovation Actions: Heterogeneous integration of micro and nanotechnologies, Application specific smart systems	R&I	35	
	b) Innovation Actions: Access services for academia, research institutes and SMEs, Assessment for technology suppliers	Innovation	9	
	c) Pre-commercial procurement action: Lab on chip based solutions for in-vitro diagnosis.	PCP	3	
	d) Coordination and Support Actions	CSA	1	
ICT 3	Advanced Thin, Organic and Large Area Electronics (TOLAE) technologies			23-4-2014
	a) Research & Innovation Actions	R&I	17	
	b) Innovation Actions	Innovation	15,5	
	c) Technology Take-up and Innovation Support actions	R&I	3	
	d) Innovation support through pre-commercial public procurement actions	PCP	2,5	
Advanced Computing				
ICT 4	Customised and low power computing			21-4-2015
	a) Research & Innovation Actions: Next generation servers, micro-server and highly parallel embedded computing systems, New cross-layer programming approaches	R&I	37	
	b) Innovation Actions: Towards platforms and ecosystems, Connecting innovators across value chains	Innovation	17	
	c) Support Actions	CSA	3	
Future Internet				
ICT 5	Smart Networks and novel Internet Architectures	R&I	24	23-4-2014
ICT 6	Smart optical and wireless network technologies			23-4-2014
	a) Research & Innovation Actions	R&I	29	
	b) Support actions	CSA	1	
ICT 7	Advanced Cloud Infrastructures and Services			23-4-2014
	a) Research & Innovation actions: High performance heterogeneous cloud infrastructures, Federated cloud networking,	R&I	66	

Dynamic configuration, automated provisioning and orchestration of cloud resources, Automated discovery and composition of services, Cloud security

	b) Innovation Actions: platforms for trusted cloud systems	Innovation	5	
	c) Coordination and support actions	CSA	2	
ICT 8	Boosting public sector productivity and innovation through cloud computing services			21-4-2015
	a) Pre-commercial procurement for public sector cloud computing services (PCP)	PCP	9	
	b) Public public procurement of innovative cloud computing solutions (PPI)	PPI	13	
ICT 9	Tools and Methods for Software Development: Software tools and methods for large, complex and data-intensive systems, Software architectures and tools for highly distributed applications	R&I	25	23-4-2014
ICT 10	Collective Awareness Platforms for Sustainability and Social Innovation			21-4-2015
	a) Collective awareness pilots for bottom-up participatory innovation paradigms	R&I	25	
	b) Multidisciplinary research on collective awareness platforms (Internet Science)	R&I	4	
	c) Digital Social Platforms (DSP)	R&I	7	
	d) Coordinating pilots and research activities in CAPs	CSA	1	
ICT 11	FIRE+ (Future Internet Research & Experimentation)			23-4-2014
	a) Research & Innovation Actions	Innovation	25	
	b) Innovation Actions	R&I	5	
	c) Coordination and Support Actions	CSA	1,5	
ICT 12	Integrating experiments and facilities in FIRE+			21-4-2015
	a) Research & Innovation Actions	Innovation	13	
	b) Innovation Actions	R&I	5	
ICT 13	Web Entrepreneurship			23-4-2014
	a) Accelerate web entrepreneurship in Europe: Online platforms with new services	Innovation	6	
	b) Coordination activities in the area of web entrepreneurs	CSA	4	
ICT 14	Advanced 5G Network Infrastructure for the Future Internet			25-11-2014
	a) Research & Innovation Actions: Radio network architecture and technologies, Convergence beyond last mile, Network management	R&I	98	
	b) Innovation Actions: Network virtualisation and Software Networks	Innovation	25	
	c) Support Actions	CSA	2	
Content technologies and information management				
ICT 15	Big data and Open Data Innovation and take-up			23-4-2014
	a) Innovation Actions: European open data integration and reuse incubator for SMEs, Multilingual data harvesting and analytics solutions and services	Innovation	39	
	b) Coordination and Support Actions	CSA	11	
ICT 16	Big data - research			21-4-2015
	a) Research & Innovation Actions: novel data structures, algorithms, methodology, software architectures, optimisation methodologies and language understanding technologies, Define relevant benchmarks	R&I	38	
	b) Support actions	CSA	1	
ICT 17	Cracking the language barrier			23-4-2014
	a) Research & Innovation Actions: a new paradigm leading to radically improved machine translation	R&I	4	

	b) Innovative Actions: optimizing translation quality and language/topical coverage	Innovation	10
	c) Coordination actions	CSA	1
ICT 18	Support the growth of ICT innovative Creative Industries SMEs		23-4-2014
	a) Innovation Actions: support the creative industries SMEs leverage emerging ICT technologies	Innovation	14
	b) Coordination and support actions	CSA	1
ICT 19	Technologies for creative industries, social media and convergence		21-4-2015
	a) Research & Innovation Actions	R&I	18
	b) Innovation actions	Innovation	21
	c) Coordination and Support Actions	CSA	2
ICT 20	Technologies for better human learning and teaching		21-4-2015
	a) Research & Innovation actions: Smart learning environments	R&I	9
	b) Research & Innovation actions: Establishing a technology platform to provide a framework and roadmap	R&I	5
	c) Innovation actions: Large-scale pilots	Innovation	28
	d) Public procurement of innovative devices and software (PPI)	PPI	10
ICT 21	Advanced digital gaming/gamification technologies		23-4-2014
	a) Research & Innovation actions	R&I	9
	b) Innovation actions	Innovation	8
ICT 22	Multimodal and Natural computer interaction		23-4-2014
	a) Research & Innovation Actions: More efficient and natural ways of delivering answers to users' queries	R&I	7,5
	b) Research & Innovation Actions: Novel multi-modal, adaptive interfaces, including BCI	R&I	16
	c) Innovation Actions	Innovation	7,5
Robotics			
ICT 23	Robotics		23-4-2014
	a) Research & Innovation Actions: RTD to advance abilities and key technologies relevant for industrial and service robotics, Systems development processes, Shared resources and assessment	R&I	57
	b) Innovation Actions: Technology transfer - Robotics use cases	Innovation	12
	c) Pre-commercial procurement in robotics: innovative robotics solutions for public safety and monitoring of environment and infrastructures.	PCP	5
ICT 24	Robotics		21-4-2015
	a) Research & Innovation Actions to advance key technologies relevant for industrial and service robotics	R&I	50
	b) Innovation Actions: Technology transfer - Industry-academia cross-fertilisation	Innovation	12
	c) Innovation Actions: Technology transfer - Robotics use cases	Innovation	12
	d) Pre-commercial procurement in robotics: innovative robotics solutions for the healthcare sector.	PCP	5
	e) Coordination Actions: Community building and Robotic competitions	CSA	4

Micro- and nano-electronic technologies, Photonics				
ICT 25	Generic micro- and nano-electronic technologies			21-4-2015
	a) Research & Innovation Actions	R&I	40	
	b) Innovation Actions	Innovation	7	
	c) Coordination and support actions	CSA	3	
ICT 26	Photonics KET			23-4-2014
	a) Research & Innovation Actions: Application driven core photonic technology developments (focus on Biophotonics and Sensing for safety and civil security), Disruptive approaches in sensing	R&I	28	
	b) Innovation Actions: Open system architectures for Solid State Lighting (SSL)	Innovation	8	
	c) Coordination and support actions	CSA	5	
	d) ERANET actions	ERANET	6	
ICT 27	Photonics KET			21-4-2015
	a) Research & Innovation Actions: Application driven core photonic technology developments (focus on Optical communication for data centres and High-throughput laser-based manufacturing), PIC technology	R&I	30	
	b) Innovation support through public procurement actions: software-defined optics in backbone networks	PPI	5	
	c) Coordination and Support actions: Open access to facilities	CSA	3	
	d) ERANET actions	ERANET	6	
ICT 28	Cross-cutting ICT KETs			21-4-2015
	a) Innovation Actions: ICT-KET integrated platforms for the healthcare and food sectors	Innovation	13	
	b) Pilot lines for advanced KET products: OLEDs on flexible substrates, analytical mid-infrared (MIR) micro-sensors, PIC fabrication on III-V and/or dielectric based platforms	Innovation	42	
	c) Coordination and Support actions	CSA	1	
ICT 29	Development of novel materials and systems for OLED lighting	R&I	18	23-4-2014
ICT Cross-Cutting Activities				
ICT 30	Internet of Things and Platforms for Connected Smart Objects			21-4-2015
	a) Research & Innovation Actions	R&I	50	
	b) Support Measures	CSA	1	
ICT 31	Human-centric Digital Age			23-4-2014
	a) Research & Innovation Actions: in-depth exploration of the development of fundamental notions	R&I	6	
	b) Coordination and support activities	CSA	1	
ICT 32	Cybersecurity, Trustworthy ICT			23-4-2014
	a) Research & Innovation Actions: Security-by-design for end-to-end security, Cryptography	R&I	37	
	b) Activities supporting the Cryptography Community	CSA	1	
ICT 33	Trans-national co-operation among National Contact Points	CSA	4	23-4-2014

Horizontal ICT Innovation actions				
ICT 34	ICT contribution to pilot for co-investments by business angels in innovative ICT firms	n.n.b.	15	21-4-2015
ICT 35	Innovation and Entrepreneurship Support			23-4-2014
	a) ICT business idea contests in Universities and High schools	Innovation	4 voor	
	b) ICT Entrepreneurship Summer Academy	Innovation	a,b,c	
	c) ICT Entrepreneurship Labs	Innovation	Samen	
	d) Campaign on Entrepreneurship culture in innovative ICT sector	CSA	1,5	
	e) Support for definition and implementation of Inducement Prizes (or Challenges)	CSA	0,5	
	f) European networks of procurers (European Procurers Platforms)	CSA	1	
ICT 36	Pre-commercial procurement open to all areas of public interest requiring new ICT solutions	PCP	4	21-4-2015
ICT 37	Open Disruptive Innovation Scheme: Support to a large set of early stage high risk innovative SMEs in ICT	SME	90	Continu, zie pagina 21
n.n.b.	Fast Track to Innovation pilot	Innovation		2015
International Cooperation actions				
				21-4-2015
ICT 38	International partnership building and support to dialogues with high income countries	CSA	3	
ICT 39	International partnership building in low and middle income countries	R&I	11	
EU-Brazil Research and Development Cooperation in Advanced Cyber Infrastructure				
				21-4-2015
EUB 1	Cloud Computing, including security aspects	R&I, CSA	3,5	
EUB 2	High Performance Computing (HPC)	R&I	2	
EUB 3	Experimental Platforms	R&I	1,5	
EU-Japan Research and Development Cooperation in Net Futures				
				10-04-2014
EUJ 1	Technologies combining big data, internet of things in the cloud	R&I	1,5	
EUJ 2	Optical communication	R&I	1,5	
EUJ 3	Access networks for densely located users	R&I	1,5	
EUJ 4	Experimentation and development on federated Japan – EU testbeds	R&I	1,5	

Nanotechnologies, Advanced materials, Biotechnology, Advanced manufacturing and Processing

Het call-budget bedraagt 475 miljoen euro voor 2014 en 504 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
NMP	Call for Nanotechnologies, Advanced Materials and Production		231 (2014) 254 (2015)	
Bridging the gap between nanotechnology research and markets				
NMP 1	Open access pilot lines for cost-effective nanocomposites	R&I	5-8 per proj.	06-05-2014
NMP 2	Integration of novel nanomaterials into existing production lines	Innovation	5-8 per proj.	26-03-2015
NMP 3	Manufacturing and control of nanoporous materials	Innovation	5-8 per proj.	26-03-2015
NMP 4	High definition printing of multifunctional materials	Innovation	5-8 per proj.	06-05-2014
NMP 5	Industrial-scale production of nanomaterials for printing applications	Innovation	5-8 per proj.	06-05-2014
NMP 6	Novel nanomatrices and nanocapsules	R&I	3-5 per proj.	26-03-2015
NMP 7	Additive manufacturing for table-top nanofactories	R&I	3-5 per proj.	26-03-2015
Nanotechnology and Advanced Materials for more effective Healthcare				
NMP 8	Scale-up of nanopharmaceuticals production	R&I	5-8 per proj.	06-05-2014
NMP 9	Networking of SMEs in the nano-biomedical sector	CSA	1-2 per proj.	06-05-2014
NMP 10	Biomaterials for the treatment of diabetes mellitus	R&I	6-8 per proj. (1st stage)	06-05-2014
NMP 11	Nanomedicine therapy for cancer	R&I	6-9 per proj. (1st stage)	26-03-2015
NMP 12	Biomaterials for treatment and prevention of Alzheimer's disease	R&I	6-8 per proj. (1st stage)	26-03-2015
Nanotechnology and Advanced Materials for low-carbon energy technologies and Energy Efficiency				
NMP 13	Storage of energy produced by decentralised sources	R&I	6-8 per proj. (1st stage)	06-05-2014
NMP 14	ERA-NET on Materials (including Materials for Energy)	ERA-NET	10	26-03-2015
NMP 15	Materials innovations for the optimisation of cooling in power plants	Innovation	6-10 per proj. (1st stage)	26-03-2015
NMP 16	Extended in-service life of advanced functional materials in energy technologies (capture, conversion, storage and/or transmission of energy)	Innovation	6-10 per proj. (1st stage)	26-03-2015
NMP 17	Post-Lithium ion batteries for electric automotive applications	R&I	16 (6-8 per proj.)	07-10-2014
Exploiting the cross-sector potential of Nanotechnologies and Advanced materials to drive competitiveness and sustainability				
NMP 18	Materials solutions for use in the creative industry sector	Innovation	4-8 per proj. (1st stage)	06-05-2014
NMP 19	Materials for severe operating conditions, including added-value functionalities	R&I	6-8 per proj. (1st stage)	26-03-2015

NMP 20	Widening materials models	R&I	3-5 per proj.	06-05-2014 (1st stage)
NMP 21	Materials-based solutions for the protection or preservation of European cultural heritage	Innovation	4-8 per proj.	06-05-2014 (1st stage)
NMP 22	Fibre-based materials for non-clothing applications	Innovation	6-8 per proj.	26-03-2015 (1st stage)
NMP 23	Novel materials by design for substituting critical materials	R&I	3-5 per proj.	26-03-2015 (1st stage)
NMP 24	Low-energy solutions for drinking water production	Innovation	5-8 per proj.	26-03-2015 (1st stage)
NMP 25	Accelerating the industrial uptake of nanotechnologies, advanced materials or advanced manufacturing and processing technologies by SMEs	SME	45,6	Continu, zie pagina 21
Safety of nanotechnology-based applications and support for the development of regulation				
NMP 26	Joint EU & MS activity on the next phase of research in support of regulation "NANOREG II"	R&I (1)	6-10	06-05-2014 (1st stage)
NMP 27	Coordination of EU and international efforts in safety of nanotechnology	CSA	2-3 per proj.	06-05-2014
NMP 28	Assessment of environmental fate of nanomaterials	R&I	6-10 per proj.	06-05-2014 (1st stage)
NMP 29	Increasing the capacity to perform nano-safety assessment	R&I	4-8 per proj.	26-03-2015 (1st stage)
NMP 30	Next generation tools for risk governance of nanomaterials	R&I (1)	6-8 per proj.	26-03-2015 (1st stage)
Addressing generic needs in support of governance, standards, models and structuring in nanotechnology, advanced materials and advanced manufacturing and processing				
NMP 31	Novel visualization tools for enhanced nanotechnology awareness	CSA (1)	0,5-1 per proj.	06-05-2014
NMP 32	Societal engagement on responsible nanotechnology	CSA (1)	0,5-1 per proj.	26-03-2015
NMP 33	The Materials "Common House"	CSA (1)	1-2 per proj.	06-05-2014
NMP 34	Networking and sharing of best practices in management of new advanced materials through the eco-design of products, eco-innovation, and product life cycle management	CSA (1)	1-2 per proj.	06-05-2014
NMP 35	Business models with new supply chains for sustainable customer-driven small series production	Innovation	6-8 per proj.	06-05-2014 (1st stage)
NMP 36	Facilitating knowledge management, networking and coordination in NMP	CSA (1)	0,25-0,5 per proj.	06-05-2014
NMP 37	Practical experience and facilitating combined funding for large-scale RDI initiatives	CSA (1)	0,5-1 per proj.	06-05-2014
NMP 38	Presidency events	CSA-CA	0,3-0,6 per proj.	06-05-2014, 26-03-2015
NMP 39	Support for NCPs	CSA (1)	0,25-0,5 per proj.	06-05-2014
Call for Biotechnologies			51,7 (2014)	32 (2015)
Cutting-edge biotechnologies as future innovation drivers				
BIOTEC 1	Synthetic biology – construction of organisms for new products and processes	R&I	6-10 per proj.	12-03-2014 (1st stage)
BIOTEC 2	New bioinformatics approaches in service of biotechnology	R&I	6-10 per proj.	24-02-2015 (1st stage)
Biotechnology-based industrial processes driving competitiveness and sustainability				
BIOTEC 3	Widening industrial application of enzymatic processes	Innovation	6-10 per proj.	12-03-2014 (1st stage)
BIOTEC 4	Downstream processes unlocking biotechnological transformations	Innovation	6-10 per proj.	12-03-2014 (1st stage)
BIOTEC 5	SME boosting biotechnology-based industrial processes driving competitiveness and sustainability	SME	6,2	Continu, zie pagina 21
Innovative and competitive platform technologies				

BIOTEC 6	Metagenomics as innovation driver	R&I	6-10 per proj.	24-02-2015 (1st stage)
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FoF		Call for FoF - Factories of the Future		116 (2014)	145 (2015)
FoF 1	Process optimisation of manufacturing assets				20-03-2014
	a) R&I Actions: CPS-based process optimisation (Cyber-Physical Systems), Collaborative and mobile manufacturing, Towards zero-failure laser-based manufacturing	R&I	32		
	b) Support Actions	CSA	2		
FoF 2	Manufacturing processes for complex structures and geometries with efficient use of material	R&I	82 voor		20-03-2014
FoF 3	Global energy and other resources efficiency in manufacturing enterprises	R&I	FoF 2-7 samen		20-03-2014
FoF 4	Developing smart factories that are attractive to workers	Innovation			20-03-2014
FoF 5	Innovative product-service design using manufacturing intelligence	R&I			20-03-2014
FoF 6	Symbiotic human-robot collaborations for safe and dynamic multimodal manufacturing systems	Innovation			20-03-2014
FoF 7	Support for the enhancement of the impact of FoF PPP projects	CSA-CA			20-03-2014
FoF 8	ICT-enabled modelling, simulation, analytics and forecasting technologies				09-12-2014
	a) R&I Actions: Innovative modelling, simulation, analytics and forecasting tools for manufacturing at large, Integrated modelling, simulation and information management systems	R&I	31		
	b) Support Actions	CSA	1		
FoF 9	ICT Innovation for Manufacturing SMEs (I4MS)				09-12-2014
	a) Innovation actions: Highly flexible and near-autonomous robotics systems, HPC Cloud-based modelling, simulation and analytics services, Integration of Cyber-Physical-System modules	Innovation	35		
	b) Support actions	CSA	1		
FoF 10	Manufacturing of custom made parts for personalised products	R&I	77 voor		09-12-2014
FoF 11	Flexible production systems based on integrated tools for rapid reconfiguration of machinery and robots	Innovation	FoF 10-14 samen		09-12-2014
FoF 12	Industrial technologies for advanced joining and assembly processes of multi-materials	Innovation			09-12-2014
FoF 13	Re-use and re-manufacturing technologies and equipment for sustainable product life cycle management	R&I			09-12-2014
FoF 14	Integrated design and management of production machinery and processes	R&I			09-12-2014

EeB		Call for EeB – Energy-efficient Buildings		49,5 (2014)	64 (2015)
EeB 1	Materials for building envelope	Innovation			20-03-2014
EeB 2	Adaptable envelopes integrated in building refurbishment projects	R&I			20-03-2014
EeB 3	Development of new self-inspection techniques and quality check measures for efficient construction processes	R&I			20-03-2014
EeB 4	Support for the enhancement of the impact of EeB PPP projects	CSA			20-03-2014
EeB 5	Innovative design tools for refurbishment at building and district level	Innovation			09-12-2014
EeB 6	Integrated solutions of thermal energy storage for building applications	R&I			09-12-2014
EeB 7	New tools and methodologies to reduce the gap between predicted and actual energy performances at the level of buildings and blocks of buildings	Innovation			09-12-2014
EeB 8	Integrated approach to retrofitting of residential buildings	Innovation			09-12-2014

SPIRE		Call for SPIRE – Sustainable Process Industries		60,3 (2014)
				77 (2015)
SPIRE 1	Integrated Process Control	R&I		20-03-2014
SPIRE 2	Adaptable industrial processes allowing the use of renewables as flexible feedstock for chemical and energy applications	Innovation		20-03-2014
SPIRE 3	Improved downstream processing of mixtures in process industries	Innovation		20-03-2014
SPIRE 4	Methodologies, tools and indicators for cross-sectorial sustainability assessment of energy and resource efficient solutions in the process industry	CSA-SA		20-03-2014
SPIRE 5	New adaptable catalytic reactor methodologies for Process Intensification	R&I		09-12-2014
SPIRE 6	Energy and resource management systems for improved efficiency in the process industries	R&I		09-12-2014
SPIRE 7	Recovery technologies for metals and other minerals	Innovation		09-12-2014
SPIRE 8	Solids handling for intensified process technology	Innovation		09-12-2014
SILCII		Sustainable Industry Low Carbon II		
SILCII	Sustainable Industry low carbon (SILC) II			n.n.b.
Fast track to Innovation - Pilot		Innovation	Call 2015	

Industrial Leadership

Space

Het call-budget bedraagt 128 miljoen euro voor 2014 en 106 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Applications in Satellite Navigation - Galileo			38 (2014) 25 (2015)	
GALILEO 1	EGNSS applications	Innovation	25-35	03-04-2014, 04-02-2015
GALILEO 2	Small and Medium Enterprise (SME) based EGNSS applications	Innovation	10-20 (0,5 per project)	03-04-2014, 04-02-2015
GALILEO 3	Releasing the potential of EGNSS applications through international cooperation	Innovation	5-13	03-04-2014, 04-02-2015
GALILEO 4	EGNSS awareness raising, capacity building and/or promotion activities, inside or outside of the European Union	CSA	5-10	03-04-2014
Earth Observation			21,5 (2014) 26 (2015)	
EO 1 - 2014	New ideas for Earth-relevant space applications	R&I	10 (2-3 per proj.)	26-03-2014
EO 2 - 2014	Climate Change relevant space-based Data reprocessing and calibration	R&I (1)	5,5	26-03-2014
EO 3 - 2014	Observation capacity mapping in the context of Atmospheric and Climate change monitoring	R&I (1)	6	26-03-2014
EO 1 - 2015	Bringing EO applications to the market	Innovation	10 (1-2 per proj.)	Call 2015
EO 2 - 2015	Stimulating wider research use of Copernicus Sentinel Data	R&I	11 (2-3 per proj.)	Call 2015
EO 3 - 2015	Technology developments for competitive imaging from space	R&I	5 (2,5 per proj.)	Call 2015
Protection of European assets in and from space			8 (2014) 6,5 (2015)	
PROTEC 1 - 2014	Space Weather	R&I	(2-4 per proj.)	26-03-2014
PROTEC 2 - 2014	Access technologies and characterisation for Near Earth Objects (NEOs)	R&I		26-03-2014
PROTEC 1 - 2015	Passive means to reduce the impact of Space Debris	R&I	6,5 (3-4 per proj.)	Call 2015
Competitiveness of the European Space Sector: Technology and Science			52 (2014) 36,5 (2015)	
COMPET 1 - 2014	Technologies for European non-dependence and competitiveness: Low shock non-explosive actuators, Advanced thermal control systems, Alternative to Hydrazine, ASICS for Mixed Signal Processing, High density assemblies on PCB	R&I	10 (2-4 per proj.)	26-03-2014
COMPET 2 - 2014	Independent access to space	R&I	8 (2-4 per proj.)	26-03-2014
COMPET 3 - 2014	In-Space electrical propulsion and station keeping	CSA (1)	4	26-03-2014
COMPET 4 - 2014	Space Robotics Technologies	CSA (1)	4	26-03-2014
COMPET 5 - 2014	In-Orbit demonstration/Validation (IOD/IOV)	CSA	2 (0,3-0,5 per proj.)	26-03-2014

COMPET 6 - 2014	Bottom-up space technologies at low TRL	R&I	5 (1 per proj.)	26-03-2014
COMPET 7 - 2014	Space exploration – Life support	R&I	8 (4-8 per proj.)	26-03-2014
COMPET 8 - 2014	Science in context: sample curation facility and scientific exploitation of data from Mars missions	R&I	4 (2 per proj.)	26-03-2014
COMPET 9 - 2014	Technology “demonstrator projects” for exploration	CSA	3 (1 per proj.)	26-03-2014
COMPET 10 - 2014	Outreach through education	CSA	4 (1-2 per proj.)	26-03-2014
COMPET 11 - 2014	Transnational and international cooperation among NCPs	CSA (1)	4	26-03-2014
COMPET 1 – 2015	Technologies for European non-dependence and competitiveness: Advanced materials and material technology for combustion chambers, Fibre Optic Gyro (FOG) based Inertial Measurement Unit, Power amplification: Travelling Wave Tube (TWT) materials, Passive components	R&I	10 (2-4 per proj.)	Call 2015
COMPET 2 – 2015	Independent access to space	R&I	6 (2-4 per proj.)	Call 2015
COMPET 3 – 2015	Bottom-up space technologies at low TRL	R&I	7 (1 per proj.)	Call 2015
COMPET 4 – 2015	Space exploration – Habitat management	R&I	6 (3-6 per proj.)	Call 2015
COMPET 5 – 2015	Scientific exploitation of astrophysics, comets and planetary data	R&I	6 (1,5 per proj.)	Call 2015
COMPET 6 – 2015	International Cooperation in space science	R&I	1,5 (0,75 per proj.)	Call 2015

SME Instrument	SME	17,25	Continu, zie pagina 21
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Fast track to Innovation (pilot)	Innovation	3,4	Call 2015
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Industrial Leadership

Innovation in SMEs

Onder dit thema vallen ondersteunende activiteiten om groei en innovatie bij het MKB te stimuleren. Het call-budget bedraagt 9,4 miljoen euro voor 2014 en 29,7 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Call: Enhancing SME innovation capacity by providing better innovation				
INNOSUP 1	Cluster animated projects for new industrial value chains	Innovation	24,9	30-04-2015 (1st stage)
INNOSUP 2	European Intellectual Property Rights (IPR) Helpdesk	CSA	8,4 voor INNOSUP	02-04-2014
INNOSUP 3	IPorta 2 - Increasing the quality of IP advisory services to SMEs	CSA	2-4 samen	02-04-2014 (1st stage)
INNOSUP 4	A European Label for innovation voucher programmes to support spin-in of technology	CSA		02-04-2014 (1st stage)
INNOSUP 5	Peer learning of innovation agencies	CSA (+ lump sum)	1,42	Continu
INNOSUP 6	Capitalising the full potential of online-collaboration for SME innovation support	CSA	1,5	10-03-2015 (1st stage)
INNOSUP 7	Professionalization of open innovation management in SMEs	CSA	2	21-01-2015
INNOSUP 8	Measuring open innovation inputs and outcomes in SMEs	CSA	0,3	21-01-2015
INNOSUP 9	Community-building and competence development for SME instrument coaching	CSA	0,76	12-03-2014

Daarnaast heeft Horizon 2020 een SME instrument voor internationaal georiënteerde bedrijven (ook voor startups) die een nieuw product, dienst of proces naar de markt willen brengen (high-risk en high-potential). Het SME instrument heeft geen eigen calls maar wordt ingezet binnen de verschillende Horizon-onderdelen. Hiervan een overzicht:

Overzicht SME Instrument				
Industrial Leadership				
Nanotechnologies, Advanced materials, Biotechnology, Advanced manufacturing and Processing				
NMP 25	Accelerating the industrial uptake of nanotechnologies, advanced materials or advanced manufacturing and processing technologies by SMEs	SME	45,6	2014-2015
BIOTEC 5	SME boosting biotechnology-based industrial processes driving competitiveness and sustainability	SME	6,2	2014-2015
Information- and Communication Technologies				
ICT 37	Open Disruptive Innovation Scheme: Support to a large set of early stage high risk innovative SMEs in ICT	SME	90	2014-2015
Space				
SPACE	SME instrument	SME	17,25	2014-2015
Societal Challenges				
Health, demographic change and wellbeing				
PHC 12	Clinical validation of biomarkers and/or diagnostic medical devices	SME	111	2014-2015

	Food security, sustainable agriculture and forestry, marine and maritime and inland water research, the bioeconomy			
SFS 8	Resource-efficient eco-innovative food production and processing	SME	26	2014-2015
BG 12	Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth	SME	8	2014-2015
	Secure, Clean and Efficient Energy			
SIE 1	Stimulating the innovation potential of SMEs for a low carbon and efficient energy system	SME	26	2014-2015
	Smart, Green and Integrated Transport			
IT.1	Small business innovation research for Transport	SME	74,8	2014-2015
	Climate Action, Environment, Resource Efficiency and Raw materials			
SC5_20	Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials	SME	36	2014-2015
	Inclusive, Innovative and Reflective societies			
INSO 9	Innovative mobile e-government applications by SMEs	SME	4	Alleen 2015
INSO 10	SME business model innovation	SME	11	Alleen 2015
	Secure Societies			
DRS 17	SME instrument topic: "Protection of Urban soft targets and urban critical infrastructures"	SME	14,4	2014-2015

Projectaanvragen kunnen continu worden ingediend maar wel zijn er tussentijds sluitingsdata. Na elke sluitingsdatum worden binnengekomen aanvragen beoordeeld. U kunt twee typen projecten aanvragen: een 'fase 1' haalbaarheidsstudie (50k euro lump sum) en een 'fase 2' R&D project (meestal 70%, soms 100% subsidie).

Sluitingsdata SME instrument		
	2014	2015
Fase I	18-06-2014, 24-09-2014, 17-12-2014	18-03-2015, 17-06-2015, 17-09-2015, 16-12-2015
Fase II	09-10-2014, 17-12-2014	18-03-2015, 17-06-2015 17-09-2015, 16-12-2015

Access to Risk Finance

Onder dit thema vallen ondersteunende acties die betrekking hebben op toegang tot risicokapitaal. Deze acties zijn gericht op het verbeteren van de toegang tot o.a. leningen, garanties, contra-garanties en private equity. De European Investment Bank (EIB) en het European Investment Fund (EIF) spelen hierbij een belangrijke rol. Aan de meeste acties zijn geen calls verbonden.

Acties met een call:

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Calls Access to Risk Finance				
Call: Capacity-Building in Technology Transfer				
CBTT 1	Capacity-Building in Technology Transfer	CSA (1)	2,5	15-04-2014
Call: Boosting the Investment-Readiness of SMEs and Small Midcaps				
BIR 1	Boosting the Investment-Readiness of SMEs and Small Midcaps	CSA (1)	2,5	15-04-2014

Societal Challenge 1

Health, demographic change and wellbeing

Het call-budget bedraagt circa 587 miljoen euro voor 2014 en circa 566 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
			549,3 (2014)	
			537,0 (2015)	
Understanding health, ageing and disease				
PHC 1	Understanding health, ageing and disease: determinants, risk factors and pathways a) The identification of health trends and determinants, their validation, and the validation of risk factors for disease and disability, through the generation, integration and validation of data derived from relevant disciplines b) The identification of determinants and pathways characteristic of healthy and active ageing (from early stages of development onwards) and of health deterioration caused by time, disease accumulation and the above mentioned risk factors and their interactions	R&I	54 (4-6 per project)	11-03-2014 (1 st stage)
PHC 2	Understanding diseases: systems medicine	R&I	36 (4-6 per proj.)	Call 2015 (2-stage)
PHC 3	Understanding common mechanisms of diseases and their relevance in co-morbidities	R&I	30 (4-6 per proj.)	Call 2015 (2-stage)
Effective health promotion, disease prevention, preparedness and screening				
PHC 4	Health promotion and disease prevention: improved inter-sector co-operation for environment and health based interventions	R&I	18 (4-6 per proj.)	Call 2015 (2-stage)
PHC 5	Health promotion and disease prevention: translating 'omics' into stratified approaches	R&I	24 (4-6 per proj.)	11-03-2014 (1 st stage)
PHC 6	Evaluating existing screening and prevention programmes	R&I	15 (2-3 per proj.)	11-03-2014 (1 st stage)
PHC 7	Improving the control of infectious epidemics and foodborne outbreaks through rapid identification of pathogens	R&I	20 (15-20 per proj.)	15-04-2014
PHC 8	Vaccine development for poverty-related and neglected infectious diseases: Tuberculosis	R&I	25 (15-25 per proj.)	15-04-2014
PHC 9	Vaccine development for poverty-related and neglected infectious diseases – HIV/AIDS	R&I	21 (15-20 per proj.)	Call 2015 (2-stage)
Improving diagnosis				
PHC 10	Development of new diagnostic tools and technologies: <i>in vitro</i> devices, assays and platforms	R&I	48 (4-6 per proj.)	11-03-2014 (1 st stage)
PHC 11	Development of new diagnostic tools and technologies: <i>in vivo</i> medical imaging technologies	R&I	47 (4-6 per proj.)	Call 2015 (2-stage)
PHC 12	Clinical validation of biomarkers and/or diagnostic medical devices	SME	111 (fase 1 0,05 per project, fase 2 1-5 per project)	Continu, zie pagina 21
Innovative treatments and technologies				
PHC 13	New therapies for chronic non-communicable diseases	R&I	60 (4-6 per proj.)	11-03-2014 (1 st stage)
PHC 14	New therapies for rare diseases	R&I	60 (4-6 per proj.)	Call 2015 (2-stage)
PHC 15	Clinical research on regenerative medicine	R&I	71 (4-6 per proj.)	15-04-2014

				per proj.)
PHC 16	Tools and technologies for advanced therapies	R&I	36 (4-6 per proj.)	Call 2015 (2-stage)
PHC 17	Comparing the effectiveness of existing healthcare interventions in the elderly	R&I	48 (4-6 per proj.)	11-03-2014 (1 st stage)
PHC 18	Establishing effectiveness of health care interventions in the paediatric population	R&I	26 (4-6 per proj.)	Call 2015 (2-stage)
Advancing active and healthy ageing				
PHC 19	Advancing active and healthy ageing with ICT: Service robotics within assisted living environments	R&I	24,6 (3-4 per proj.)	15-04-2014
PHC 20	Advancing active and healthy ageing with ICT: ICT solutions for independent living with cognitive impairment	Innovation	10 (2-3 per proj.)	15-04-2014
PHC 21	Advancing active and healthy ageing with ICT: Early risk detection and intervention	R&I	21 (3-4 per proj.)	Call 2015 (1-stage)
PHC 22	Promoting mental wellbeing in the ageing population	R&I	17 (4-6 per proj.)	Call 2015 (2-stage)
Integrated, sustainable, citizen-centred care				
PHC 23	Developing and comparing new models for safe and efficient, prevention oriented, health and care systems	R&I	30 (4-6 per proj.)	11-03-2014 (1 st stage)
PHC 24	Piloting personalised medicine in health and care systems	R&I	30 (12-15 per proj.)	Call 2015 (2-stage)
PHC 25	Advanced ICT systems and services for Integrated Care	R&I	20 (3-5 per proj.)	Call 2015 (1-stage)
PHC 26	Self-management of health and disease: citizen engagement and mHealth	R&I	59,6 (3-5 per proj.)	15-04-2014
PHC 27	Self-management of health and disease and patient empowerment supported by ICT	PCP	15 (3-5 per proj.)	Call 2015 (1-stage)
PHC 28	Self-management of health and disease and decision support systems based on predictive computer modelling used by the patient him or herself	R&I	20 (3-5 per proj.)	Call 2015 (1-stage)
PHC 29	Public procurement of innovative eHealth services	PPI	10 (1-5 per proj.)	Call 2015 (1-stage)
Improving health information, data exploitation and providing an evidence base for health policies and regulation				
PHC 30	Digital representation of health data to improve disease diagnosis and treatment	R&I	20 (3-5 per proj.)	Call 2015 (1-stage)
PHC 31	Foresight for health policy development and regulation	R&I	6 (2-3 per proj.)	15-04-2014
PHC 32	Advancing bioinformatics to meet biomedical and clinical needs	R&I	24 (2-3 per proj.)	11-03-2014 (1 st stage)
PHC 33	New approaches to improve predictive human safety testing	R&I	30 (10-15 per proj.)	Call 2015 (2-stage)
PHC 34	eHealth interoperability	CSA	4 (1 per project)	15-04-2014
Co-ordination activities			38 (2014)	
			29 (2015)	
HCO 1	Support for the European Innovation Partnership on Active and Healthy Ageing	CSA	2 (1-2 per proj.)	15-04-2014
HCO 2	Joint Programming: Coordination Action for the Joint Programming Initiative (JPI) "More Years, Better Lives - the Challenges and Opportunities of Demographic Change"	CSA	2 (1-2 per proj.)	15-04-2014
HCO 3	Support for the European Reference Networks: Efficient network modelling and validation	CSA	2 (1-2 per proj.)	Call 2015 (1-stage)
HCO 4	Support for international infectious disease preparedness research	CSA	3 (2-3 per proj.)	15-04-2014
HCO 5	Global Alliance for Chronic Diseases: prevention and treatment of type 2 diabetes	R&I	9 (1-3 per proj.)	15-04-2014
HCO 6	Global Alliance for Chronic Diseases: 2015 priority	R&I	12 (1-3 per proj.)	Call 2015 (1-stage)
HCO 7	ERA-NET - Establishing synergies between the Joint Programming on Neurodegenerative Disease Research and Horizon 2020	ERA	>5 per project	15-04-2014
HCO 8	ERA-NET: Aligning national/regional translational cancer research	ERA	>5 per project	15-04-2014

	programmes and activities		project	
HCO 9	ERA-NET: Systems medicine to address clinical needs	ERA	>5 per project	15-04-2014
HCO 10	ERA-NET: Rare Disease research implementing IRDiRC objectives	ERA	>5 per project	15-04-2014
HCO 11	ERA-NET: Collaboration and alignment of national programmes and activities in the area of brain-related diseases and disorders of the nervous system	ERA	>5 per project	Call 2015 (1-stage)
HCO 12	ERA-NET: Antimicrobial Resistance	ERA	>5 per project	Call 2015 (1-stage)
HCO 13	ERA-NET: Cardiovascular disease	ERA	>5 per project	Call 2015 (1-stage)
HCO 14	Bridge the divide in European health research and innovation	CSA	1 (0,5 per project)	15-04-2014
HCO 15	Mobilisation and mutual learning action plan in the area	CSA	1 (1 per project)	15-04-2014

Fast Track to Innovation - pilot		Innovation	<3 per project	Call 2015
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Societal Challenge 2

Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy

Het call-budget bedraagt circa 282,5 miljoen euro voor 2014 en circa 197,5 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Sustainable Food Security			138 (2014)	
Sustainable food production systems			110,5 (2015)	
SFS 1	Sustainable terrestrial livestock production a) Genetics and nutrition and alternative feed sources for terrestrial livestock production b) Tackling losses from terrestrial animal diseases c) Assessing sustainability of terrestrial livestock production	R&I	7-9 per proj. 7-9 per project 5-7 per project	12-03-2014 (1 st stage) 12-03-2014 (1 st stage) 24-02-2015 (1 st stage)
SFS 2	Sustainable crop production a) External nutrient inputs b) Assessing soil-improving cropping systems	R&I	8 per project 9 per project	12-03-2014 (1 st stage) 24-02-2015 (1 st stage)
SFS 3	Practical solutions for native and alien pests affecting plants a) Native and alien pests in agriculture and forestry b) EU-China cooperation on IPM in agriculture	R&I	7 per project 3 per project	12-03-2014 (1 st stage) 12-03-2014 (1 st stage)
SFS 4	Soil quality and function	R&I	3-5 per project	12-03-2014 (1 st stage)
SFS 5	Strategies for crop productivity, stability and quality	R&I	3-5 per project	24-02-2015 (1 st stage)
SFS 6	Sustainable intensification pathways of agro-food systems in Africa	CSA	1 per proj.	26-06-2014
SFS 7	Genetic resources and agricultural diversity for food security, productivity and resilience a) Traditional resources for agricultural diversity and the food chain b) Management and sustainable use of genetic resources	R&I	3-4 per project 5-7 per project	12-03-2014 (1 st stage) 24-02-2015 (1 st stage)
SFS 8	Resource-efficient eco-innovative food production and processing	SME	26 (fase 1 0,05 per project, fase 2 0,5-2,5 per proj.)	Continu, zie pagina 21
SFS 9	Towards a gradual elimination of discards in European fisheries	R&I	5 per project	12-03-2014 (1 st stage)
SFS 10	Tackling disease related challenges and threats faced by European farmed aquatic animals a) Scientific basis and tools for preventing and mitigating parasitic diseases of European farmed fish b) Scientific basis and tools for preventing and mitigating farmed mollusc diseases	R&I	7 per project 4 per project	12-03-2014 (1 st stage) 24-02-2015 (1 st stage)

SFS 11	Implementation of an Ecosystem-based approach for European aquaculture a) Optimizing space availability for European Aquaculture b) Consolidating the environmental sustainability of European aquaculture	R&I	3 per project 7,5 per project	12-03-2014 (1 st stage) 24-02-2015 (1 st stage)
Safe food and healthy diets and sustainable consumption				
SFS 12	Assessing the health risks of combined human exposure to multiple food-related toxic substances	R&I	8 per project	12-03-2014 (1 st stage)
SFS 13	Biological contamination of crops and the food chain	R&I	3-5 per project	24-02-2015 (1 st stage)
SFS 14	Authentication of food products a) Authentication of olive oil b) Authentication of food products	R&I CSA	5 per project 0,5 per project	12-03-2014 (1 st stage) 11-06-2015
SFS 15	Proteins of the future	R&I	9 per project	12-03-2014 (1 st stage)
SFS 16	Tackling malnutrition in the elderly	R&I	9 per project	24-02-2015 (1 st stage)
SFS 17	Innovative solutions for sustainable novel food processing	Innovation	2 per project	12-03-2014 (1 st stage)
Global drivers of food security				
SFS 18	Small farms but global markets: the role of small and family farms in food and nutrition security	R&I	4-5 per project	24-02-2015 (1 st stage)
SFS 19	Sustainable food and nutrition security through evidence based EU agro-food policies a) Strengthening the analytical capacity on food and nutrition security b) Understanding relevant issues impacting the agro-food sector	R&I	5 per project 5 per project	12-03-2014 (1 st stage) 12-03-2014 (1 st stage)
SFS 20	Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement	R&I	7 per project	24-02-2015 (1 st stage)
Blue Growth: Unlocking the potential of Seas and Oceans			100 (2014) 45 (2015)	
Sustainably exploiting the diversity of marine life				
BG 1	Improving the preservation and sustainable exploitation of Atlantic marine ecosystems	R&I	8-12 per project	24-02-2015 (1 st stage)
BG 2	Forecasting and anticipating effects of climate change on fisheries and aquaculture	R&I	5 per project	24-02-2015 (1 st stage)
BG 3	Novel marine derived biomolecules and industrial biomaterials	R&I	6-10 per project	12-03-2014 (1 st stage)
BG 4	Enhancing the industrial exploitation potential of marine-derived enzymes	Innovation	6 per project	12-03-2014 (1 st stage)
New offshore challenges				
BG 5	Preparing for the future innovative offshore economy	CSA	2 per pr.	26-06-2014
BG 6	Delivering the sub-sea technologies for new services at sea	R&I	8-10 per project	12-03-2014 (1 st stage)
BG 7	Response capacities to oil spills and marine pollutions	R&I	4-6 per project	24-02-2015 (1 st stage)
Ocean observation technologies/systems				
BG 8	Developing in-situ Atlantic Ocean Observations for a better management and sustainable exploitation of the maritime resources	R&I	15-20 per project	12-03-2014 (1 st stage)
BG 9	Acoustic and imaging technologies	R&I	4-6 per project	12-03-2014 (1 st stage)
Horizontal aspects, socio-economic sciences, innovation, engagement with society and ocean governance across the blue growth focus area				
BG 10	Consolidating the economic sustainability and competitiveness of European fisheries and aquaculture sectors to reap the potential of seafood markets	R&I	5 per project	12-03-2014 (1 st stage)

BG 11	Monitoring, dissemination and uptake of marine and maritime research	CSA	4 per project	26-06-2014
BG 12	Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth	SME	8 (fase 1 0,05 per project, fase 2 0,5-2,5 per proj.)	Continu, zie pagina 21
BG 13	Ocean literacy – Engaging with society – Social Innovation	CSA	3,5 per project	26-06-2014
BG 14	Supporting international cooperation initiatives: Atlantic Ocean Cooperation Research Alliance	CSA	3,5 per project	26-06-2014
BG 15	European polar research cooperation	CSA	2 per pr.	26-06-2014
BG 16	Coordination action in support of the implementation of the Joint Programming Initiative on “Healthy and Productive Seas and Oceans”	CSA	2 per project	11-06-2015

Innovative, Sustainable and Inclusive Bioeconomy			44,5 (2014)	
Sustainable Agriculture and Forestry			42 (2015)	

ISIB 1	Provision of public goods by EU agriculture and forestry: Putting the concept into practice	R&I	2-3 per project	12-03-2014 (1 st stage)
ISIB 2	Closing the research and innovation divide: the crucial role of innovation support services and knowledge exchange	CSA	2 per project	26-06-2014
ISIB 3	Unlocking the growth potential of rural areas through enhanced governance and social innovation	R&I	6 per project	24-02-2015 (1 st stage)
ISIB 4	Improved data and management models for sustainable forestry	R&I		
	a) Improved forest data		5 per project	12-03-2014 (1 st stage)
	b) Improved forest management models		5 per project	24-02-2015 (1 st stage)

Sustainable and competitive bio-based industries				
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ISIB 5	Renewable oil crops as a source of bio-based products	R&I	10 per project	12-03-2014 (1 st stage)
ISIB 6	Converting CO ₂ into chemicals	R&I	6 per project	24-02-2015 (1 st stage)
ISIB 7	Public procurement networks on innovative bio-based products	CSA	2 per pr.	26-06-2014

Cross-cutting actions covering all activities				
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ISIB 8	Towards an innovative and responsible bioeconomy	CSA	1-2 per project	26-06-2014
	a) Engaging society, reaching end users and linking with policy makers for a participative governance of the bioeconomy			
	b) Bridging research and innovation efforts for a sustainable bioeconomy			
ISIB 9	Supporting National Contact Points for Horizon 2020 Societal Challenge 2 on ‘Food Security, Sustainable Agriculture, Marine and Maritime Research and the Bioeconomy’ and the Key Enabling Technology (KET) ‘Biotechnology’	CSA	2 per project	26-06-2014
ISIB 10	Networking of Bioeconomy relevant ERA-NETs	CSA	0,5 per project	26-06-2014
ISIB 11	Coordination action in support of the implementation by participating States of a JPI on Agriculture, Food Security and Climate Change	CSA	2 per project	26-06-2014
ISIB 12	Public-Public Partnerships in the bioeconomy	ERA-NET	5 per project	
	a) Sustainable and resilient agriculture for food and non-food systems			26-06-2014
	b) Rural development			11-06-2015
	c) Monitoring and mitigation of agricultural and forestry greenhouse gases (GHG)			11-06-2015
	d) Sustainable crop production			11-06-2015
	e) Sustainable livestock production			11-06-2015
	f) Biomarkers for nutrition and health			11-06-2015

Fast Track to Innovation - pilot	Innovation	3 per project	Call 2015
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Societal Challenge 3

Secure, Clean and Efficient Energy

Het call-budget bedraagt circa 586 miljoen euro voor 2014 en circa 618 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
EE	ENERGY EFFICIENCY		97,50 (2014) 98,15 (2015)	
A	Buildings and consumers			
EE 1	Manufacturing of prefabricated modules for renovation of building	Innovation	3-5 per project	20-03-2014
EE 2	Buildings design for new highly energy performing buildings	Innovation	3-5 per project	09-12-2014
EE 3	Energy strategies and solutions for deep renovation of historic buildings	R&I	3-5 per project	20-03-2014
EE 4	Construction skills	CSA	1-1,5 per project	05-06-2014
EE 5	Increasing energy performance of existing buildings through process and organisation innovations and creating a market for deep renovation	CSA	1,5 -2 per project	05-06-2014, 10-06-2015
EE 6	Demand response in blocks of buildings	Innovation	3-5 per project	10-06-2015
EE 7	Enhancing the capacity of public authorities to plan and implement sustainable energy policies and measures	CSA	1,5 -2 per project	05-06-2014, 10-06-2015
EE 8	Public procurement of innovative sustainable energy solutions	CSA	1-1,5 per project	05-06-2014
EE 9	Empowering stakeholders to assist public authorities in the definition and implementation of sustainable energy policies and measures	CSA	1,5 -2 per project	05-06-2014, 10-06-2015
EE 10	Consumer engagement for sustainable energy	CSA	1-1,5 per project	05-06-2014, 10-06-2015
EE 11	New ICT-based solutions for energy efficiency	R&I	1,5 -2 per project	05-06-2014, 10-06-2015
EE 12	Socioeconomic research on energy efficiency	R&I	1 per project	05-06-2014
B	Heating and cooling			
EE 13	Technology for district heating and cooling	R&I	1,5 -2 per project	05-06-2014, 10-06-2015
EE 14	Removing market barriers to the uptake of efficient heating and cooling solutions	CSA	1,5 -2 per project	05-06-2014, 10-06-2015
C	Industry and products			
EE 15	Ensuring effective implementation of EU product efficiency legislation	CSA	1,5 -2 per project	05-06-2014, 10-06-2015
EE 16	Organisational innovation to increase energy efficiency in industry	CSA	1,5 -2 per project	05-06-2014, 10-06-2015
EE 17	Driving energy innovation through large buyer groups	CSA	1,5 -2 per project	10-06-2015,
EE 18	New technologies for utilization of heat recovery in large industrial systems, considering the whole energy cycle from the heat production to transformation, delivery and end use	R&I	3-4 per project	20-03-2014, 09-12-2014
D	Finance for sustainable energy			
EE 19	Improving the financeability and attractiveness of sustainable energy investments	CSA	1,5 -2 per project	05-06-2014, 10-06-2015
EE 20	Project development assistance for innovative bankable and aggregated sustainable energy investment schemes and projects	CSA	0,5-2 per project	05-06-2014, 10-06-2015

EE 21	Development and market roll-out of innovative energy services and financial schemes for sustainable energy	CSA	1-1,5 per project	05-06-2014, 10-06-2015
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LCE	COMPETITIVE LOW-CARBON ENERGY		361,80 (2014) 374,73 (2015)	
LCE 1	New knowledge and technologies	R&I	2-4 per project	01-04-2014 (1 st stage)
Renewable electricity and heating/cooling				
LCE 2	Developing the next generation technologies of renewable electricity and heating/cooling - Photovoltaics - Concentrated Solar Power - Wind energy - Ocean energy - Hydropower - Deep geothermal energy - Renewable Heating and Cooling	R&I	3-6 per project	01-04-2014 (1 st stage), 03-09-2014 (1 st stage)
LCE 3	Demonstration of renewable electricity and heating/cooling technologies - Photovoltaics - Concentrated Solar Power (alleen 2014) - Wind energy - Ocean energy - Renewable Heating and Cooling (alleen 2014) - Deep geothermal energy (alleen 2015)	Innovation	5-20 per project	10-09-2014, 03-03-2015
LCE 4	Market uptake of existing and emerging renewable electricity, heating and cooling technologies	CSA	1-2 per project	07-05-2014, 03-03-2015
Modernising the single European electricity grid				
LCE 5	Innovation and technologies for the deployment of meshed off-shore grids	Innovation	30-40 per project	03-03-2015
LCE 6	Transmission grid and wholesale market	Innovation, R&I	12-15 per project	03-03-2015
LCE 7	Distribution grid and retail market 1) Development of ICT tools, and integration and innovative use of ICT for smart grid services to be provided in an open and competitive electricity market 2) Demonstration of innovative solutions (innovative integration of existing technologies into the system) offering services to all actors in the retail markets of the electricity system 3) Deployment of a flexible architecture for smart metering systems decoupling the metrology part from user functionalities and allowing for smart grid functionalities to be added during system exploitation in a plug and play way 4) Support from an appropriate ICT infrastructure with stringent requirements on e.g. availability and low latency is essential for large scale deployment of smart grid and smart metering.	Innovation Innovation Innovation CSA	2.5-3 per project 9-12 per project 2.5-3 per project 1 per project	07-05-2014
Providing the energy system with flexibility through enhanced energy storage technologies				
LCE 8	Local / small-scale storage	Innovation	8-12 per project	07-05-2014
LCE 9	Large scale energy storage	Innovation	20-25 per pr.	03-03-2015
LCE 10	Next generation technologies for energy storage	R&I	6-9 per project	07-05-2014
Sustainable biofuels and alternative fuels for the European transport fuel mix				
LCE 11	Developing next generation technologies for biofuels and sustainable alternative fuels	R&I	3-6 per project	01-04-2014 (1 st stage), 03-09-2014 (1 st stage)
LCE 12	Demonstrating advanced biofuel technologies	Innovation	5-20 per pr.	10-09-2014, 03-03-2015

LCE 13	Partnering with Brazil on advanced biofuels	Innovation	5-10 per project	05-05-2015
LCE 14	Market uptake of existing and emerging sustainable bioenergy	CSA	1-2 per project	07-05-2014, 03-03-2015
Enabling the decarbonisation of the use of fossil fuels during the transition to a low-carbon economy				
LCE 15	Enabling decarbonisation of the fossil fuel-based power sector and energy intensive industry through CCS a) Geological storage b) Industrial applications	R&I	9-17 per project 4-9 per project	01-04-2014 (1 st stage) 03-09-2014 (1 st stage)
LCE 16	Understanding, preventing and mitigating the potential environmental impacts and risks of shale gas exploration and exploitation	R&I	1-3 per project	01-04-2015 (1 st stage)
LCE 17	Highly flexible and efficient fossil fuel power plants	R&I	3-6 per project	03-09-2014 (1 st stage)
Supporting the development of a European research area in the field of energy				
LCE 18	Supporting Joint Actions on demonstration and validation of innovative energy solutions	ERA-NET	10-20 per pr.	29-04-2014, 28-04-2015
LCE 19	Supporting coordination of national R&D activities	CSA	0.1-0.5 per pr.	10-09-2014
Social, environmental and economic aspects of the energy system				
LCE 20	The human factor in the energy system	R&I, CSA	2-4 per project	10-09-2014
LCE 21	Modelling and analysing the energy system, its transformation and impacts	R&I	2-4 per project	03-03-2015
Cross-cutting issues				
LCE 22	Fostering the network of National Contact Points	CSA		01-04-2014
SSC	SMART CITIES AND COMMUNITIES		92,32 (2014) 108,18 (2015)	
SSC 1	Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects	Innovation	18-25 per project	07-05-2014, 03-03-2015
Enhancing the roll-out of Smart Cities and Communities solutions by stimulating the market demand				
SSC 2	Developing a framework for common, transparent data collection and performance measurement to allow comparability and replication between solutions and best-practice identification	CSA	0.5-1 per project	07-05-2014
SSC 3	Development of system standards for smart cities and communities solutions	CSA	0.5-1 per project	03-03-2015
SSC 4	Establishing networks of public procurers in local administrations on smart city solutions	CSA	0.1-0.15 per proj.	07-05-2014
SSC 5	Smart solutions for creating better cities and communities – assistance for a prize competition	CSA	0.1-0.15 per proj.	03-03-2015
SIE	SMEs AND FAST TRACK TO INNOVATION FOR ENERGY		33,95 (2014) 37,26 (2015)	
SIE 1	Stimulating the innovation potential of SMEs for a low carbon and efficient energy system	SME	26 (fase 1 0,05 per project, fase 2 0,5-2,5 per proj.)	Continu, zie pagina 21
SIE 2	Fast track to Innovation Topic - Pilot	Innovation	<3 per project	

Societal Challenge 4

Smart, Green and Integrated Transport

Het call-budget bedraagt circa 540 miljoen euro voor 2014 en circa 253 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Mobility for growth			375,50 (2014)	184,00 (2015)
1	Aviation			
MG.1.1	Competitiveness of European aviation through cost efficiency and innovation	R&I	5-8 per project	18-03-2014 (1 st stage)
MG.1.2	Enhancing resource efficiency of aviation	R&I	5-8 per project	31-03-2015 (1 st stage)
MG.1.3	Seamless and customer oriented air mobility	R&I	3-5 per project	18-03-2014 (1 st stage)
MG.1.4	Coordinated research and innovation actions targeting the highest levels of safety for European aviation	R&I		27-03-2014
MG.1.5	Breakthrough innovation for European aviation	R&I	2-4 per project	18-03-2014 (1 st stage)
MG.1.6	Improving skills and knowledge base in European Aviation a) Education of aviation engineers in Europe b) Dissemination of scientific and technical knowledge	CSA		27-03-2014
MG.1.7	Support to European Aviation Research and Innovation Policy a) Door-to door travel involving air transport b) Certification	CSA		27-03-2014
MG.1.8	International cooperation in aeronautics a) Set up platform of communication between EU and Japan including research and innovation stakeholders and aviation research and innovation funding authorities to maintain a common research and innovation roadmap b) Research and innovation actions should address topics of common interest between Europe and the international partners	CSA R&I		27-03-2014 31-03-2015
2	Rail			
MG.2.1	I ² I – Intelligent Infrastructure	R&I	16-18 per project	18-03-2014 (1 st stage)
MG.2.2	Smart rail services a) Seamless multimodal travel b) Logistic services	R&I	12 per project 6 per project	18-03-2014 (1 st stage)
MG.2.3	New generation of rail vehicles	R&I	14-16 per project	18-03-2014 (1 st stage)
3	Road			
MG.3.1	Technologies for low emissions powertrains	Innovation	4-10 per project	18-03-2014 (1 st stage)
MG.3.2	Advanced bus concepts for increased efficiency	Innovation	8-10 per project	18-03-2014 (1 st stage)
MG.3.3	Global competitiveness of the automotive supply chain management	R&I	8-10 per project	18-03-2014 (1 st stage)
MG.3.4	Traffic safety analysis and integrated approach towards the safety of Vulnerable Road Users	R&I	5-7 per project	18-03-2014 (1 st stage)
MG.3.5	Cooperative ITS for safe, congestion-free and sustainable mobility	R&I, CSA	5-10 per project	18-03-2014 (1 st stage)
MG.3.6	Safe and connected automation in road transport	R&I, CSA	5-10 per project	31-03-2015 (1 st stage)
4	Waterborne			
MG.4.1	Towards the energy efficient and very-low emission vessel	Innovation	8-17 per project	18-03-2014 (1 st stage)

MG.4.2	Safer and more efficient waterborne operations through new technologies and smarter traffic management	Innovation	4-9 per project	18-03-2014 (1 st stage)
MG.4.3	System modelling and life-cycle cost and performance optimisation for waterborne assets	R&I	5-8 per project	31-03-2015 (1 st stage)
MG.4.4	Advancing innovation in the Inland Waterways Transport (IWT) sector	R&I	3-6 per project	18-03-2014 (1 st stage)
5	Urban mobility			
MG.5.1	Transforming the use of conventionally fuelled vehicles in urban areas	R&I	4-6 per project	18-03-2014 (1 st stage)
MG.5.2	Reducing impacts and costs of freight and service trips in urban areas	R&I	2-4 per project	18-03-2014 (1 st stage)
MG.5.3	Tackling urban road congestion	R&I	2-4 per project	18-03-2014 (1 st stage)
MG.5.4	Strengthening the knowledge and capacities of local authorities	R&I	2-4 per project	31-03-2015 (1 st stage)
MG.5.5	Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility	Innovation	12-18 per project	31-03-2015 (1 st stage)
		CSA		27-08-2015
6	Logistics			
MG.6.1	Fostering synergies alongside the supply chain (including e.commerce)	R&I	16-20 per project	18-03-2014 (1 st stage)
MG.6.2	De-stressing the supply chain	R&I	6-8 per project	18-03-2014 (1 st stage)
MG.6.3	Common communication and navigation platforms for pan-European logistics applications	R&I	16-18 per project	31-03-2015 (1 st stage)
7	Intelligent transport systems			
MG.7.1	Connectivity and information sharing for intelligent mobility	R&I	5-8 per project	18-03-2014 (1 st stage)
MG.7.2	Towards seamless mobility addressing fragmentation in ITS deployment in Europe	R&I	2-4 per project	18-03-2014 (1 st stage)
		CSA		28-08-2014
8	Infrastructure			
MG.8.1	Smarter design, construction and maintenance	R&I	3-5 per project	18-03-2014 (1 st stage)
		CSA	0,5-1 per project	28-08-2014
MG.8.2	Next generation transport infrastructure: resource efficient, smarter and safer	R&I	3-5 per project	18-03-2014 (1 st stage)
		CSA	0,5-1 per project	28-08-2014
MG.8.3	Facilitating market take up of innovative transport infrastructure solutions	PPI	7-13 per project	27-08-2015
MG.8.4	Smart governance, network resilience and streamlined delivery of infrastructure innovation	R&I, Innovation		31-03-2015 (1 st stage)
		CSA		27-08-2015
9	Socio-economic and behavioural research and forward looking activities for policy making			
MG.9.1	Transport societal drivers	CSA	< 3 per project	31-03-2015
MG.9.2	User behaviour and mobility patterns in the context of major societal trends	CSA		27-03-2014
MG.9.3	Analysis of funding schemes for transport infrastructure	CSA		27-03-2014
MG.9.4	Research, technology development and market prospects for the European transport industries	CSA		27-03-2014
MG.9.5	Fostering transnational cooperation in European transport research and innovation – NCP network	CSA		31-03-2015
MG.9.6	Strengthening the research and innovation strategies of the transport industries in Europe	CSA		28-08-2014
MG.9.7	Innovation awards for students and researchers in the context of the Transport Research Arena conference - TRA 2016	CSA		27-03-2014

Green Vehicles				129 (2014)	30 (2015)
GV.1	Next generation of competitive lithium ion batteries to meet customer expectations	R&I	5-8 per project	28-08-2014	
GV.2	Optimized and systematic energy management in electric vehicles	R&I	3-8 per project	28-08-2014	
GV.3	Future natural gas powertrains and components for cars and vans	Innovation	10-20 per project	28-08-2014	
GV.4	Hybrid light and heavy duty vehicles	Innovation	10-20 per project	28-08-2014	
GV.5	Electric two-wheelers and new ultra-light vehicle concepts	R&I	5-8 per project	28-08-2014	
GV.6	Powertrain control for heavy-duty vehicles with optimised emissions	Innovation	5-7 per project	27-08-2015	
GV.7	Future natural gas powertrains and components for heavy duty vehicles	Innovation	10-20 per project	28-08-2014	
GV.8	Electric vehicles' enhanced performance and integration into the transport system and the grid	R&I	5-10 per project	27-08-2015	

Small business and fast track innovation for transport				35,87 (2014)	38,96 (2015)
IT.1	Small business innovation research for Transport	SME	74,8 (fase 1 0,05 per project, fase 2 0,5-2,5 per proj.)	Continu, zie pagina 21	
IT.2	Fast Track to Innovation	Innovation	< 3 per project	Call 2015	

Societal Challenge 5

Climate Action, Environment, Resource Efficiency and Raw materials

Het totaalbudget bedraagt circa 306 miljoen euro voor 2014 en circa 343 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Waste: a resource to recycle, reuse and recover raw materials			73 (2014) 58 (2015)	
WASTE 1	Moving towards a circular economy through industrial symbiosis	Innovation	8-10 per project	08-04-2014 (1 st stage)
WASTE 2	A systems approach for the reduction, recycling and reuse of food waste	R&I	9 per project	08-04-2014 (1 st stage)
WASTE 3	Recycling of raw materials from products and buildings	R&I	6-8 per project	08-04-2014
WASTE 4	Towards near-zero waste at European and global level a) An EU near-zero waste stakeholder platform b) Global waste dimension c) Secondary raw materials inventory d) Raw materials partnerships	CSA		08-04-2014 08-04-2014 08-04-2014 10-03-2015
WASTE 5	Preparing and promoting innovation procurement for resource efficiency	CSA		08-04-2014
WASTE 6	Promoting eco-innovative waste management and prevention as part of sustainable urban development a) Eco-innovative solutions b) Eco-innovative strategies	Innovation R&I	8-10 per project 4-5 per project	16-10-2014 (1 st stage)
WASTE 7	Ensuring sustainable use of agricultural waste, co-products and by-products	R&I	7 per project	16-10-2014 (1 st stage)
Water innovation: boosting its value for Europe			67 (2014) 96 (2015)	
WATER 1	Bridging the gap: from innovative water solutions to market replication a) First application and market replication of near-market water solutions b) Demonstration/pilot activities of new or improved innovative water solutions in a real environment	Innovation	2-4 per project 6-8 per project	08-04-2014 (1 st stage) 16-10-2014 (1 st stage)
WATER 2	Integrated approaches to water and climate change a) Water cycle under future climate b) Integrated approaches to food security, low-carbon energy, sustainable water management and climate change mitigation	R&I	6-8 per project 6-8 per project	08-04-2014 (1 st stage) 16-10-2014 (1 st stage)
WATER 3	Stepping up EU research and innovation cooperation in the water area	ERANET		08-04-2014, 10-03-2015
WATER 4	Harnessing EU water research and innovation results for industry, agriculture, policy makers and citizens a) [2014] b) [2015]	CSA CSA	1 per project 3 per project	08-04-2014 10-03-2015
WATER 5	Strengthening international R&I cooperation in the field of water a) Strategic cooperation partnerships b) A coordination platform	CSA CSA	3 per project	08-04-2014 10-03-2015

c) Development of water supply and sanitation technology, systems and tools, and/or methodologies	R&I	2-3 per project	16-10-2014 (1 st stage)
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Growing a low carbon, resource efficient economy with a sustainable supply of raw materials			166 (2014) 189 (2015)
Fighting and adapting to climate change			
SC5_1	Climate Services for Europe and globally: Advanced Earth-systems models	R&I	10-15 per project 08-04-2014 (1 st stage)
SC5_2	Climate Services for Europe and globally: ERA for Climate Services	ERA	10-03-2015
SC5_3	The economic of climate change actions and linkages with sustainable development a) Developing a comprehensive economic assessment of climate change b) Examining the link between climate change actions and sustainable development through international research collaboration efforts and developing a science dialogue between the EU and international partner countries, with a focus on G20 countries	R&I	08-04-2014 (1 st stage) 6-8 per project 3-5 per project
SC5_4	Improving the air quality and reducing the carbon footprint of European cities	R&I	6-8 per project 16-10-2014 (1 st stage)
SC5_5	Coordinating and supporting research and innovation for climate action a) Climate change mitigation options b) Earth-system modelling and climate services	CSA	08-04-2014 10-03-2015
Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems			
SC5_6	Biodiversity and ecosystem services: drivers of change and causalities	R&I	5-10 per project 08-04-2014 (1 st stage)
SC5_7	More effective ecosystem restoration in the EU	R&I	5-7 per project 16-10-2014 (1 st stage)
SC5_8	Preparing and promoting innovation procurement for soil decontamination	CSA	08-04-2014
SC5_9	Consolidating the European Research Area on biodiversity and ecosystem services	ERA	08-04-2014
SC5_10	Coordinating and supporting research and innovation for the management of natural resources a) Enhancing mapping ecosystems and their services b) Structuring research on soil, land-use and land management in Europe c) An EU support mechanism for evidence-based policy on biodiversity & ecosystems services	CSA	08-04-2014 08-04-2014 10-03-2015
Ensuring the sustainable supply of non-energy and non-agricultural raw materials			
SC5_11	New solutions for sustainable production of raw materials a) Mining of small deposits and alternative mining b) Flexible processing technologies c) Deep mining on continent and in sea-bed d) New sustainable exploration technologies and geomodels e) New metallurgical systems	R&I	2-8 per project 08-04-2014 08-04-2014 10-03-2015 10-03-2015 10-03-2015
SC5_12	Innovative and sustainable solutions leading to substitution of raw materials a) Materials for electronic devices b) Materials under extreme conditions	R&I	2-5 per project 08-04-2014 10-03-2015
SC5_13	Coordinating and supporting raw materials research and innovation a) Mineral deposits of public importance b) Strategic international dialogues and cooperation on raw materials with technologically advanced countries c) Innovation friendly minerals policy framework d) Raw materials research and innovation coordination e) Raw materials intelligence capacity f) Strategic international dialogues and cooperation with raw materials producing countries and industry	CSA	1-2 per project 08-04-2014 08-04-2014 10-03-2015 10-03-2015 10-03-2015 10-03-2015

Enabling the transition towards a green economy through eco-innovation				
SC5_14	Consolidating global knowledge on the green economy in support of sustainable development objectives in Europe and internationally	CSA		08-04-2014
Developing comprehensive and sustained global environmental observation and information systems				
SC5_15	Strengthening the European Research Area in the domain of Earth Observation	ERA		10-03-2015
SC5_16	Making Earth Observation and Monitoring Data usable for ecosystem modelling and services	R&I	8-15 per project	08-04-2014 (1 st stage)
SC5_17	Demonstrating the concept of 'Citizen Observatories'	Innovation	3-5 per project	16-10-2014 (1 st stage)
SC5_18	Coordinating and supporting Earth Observation research and innovation in Europe, and in the North African, Middle East, and Balkan region	CSA		
	a) Coordinating European Observation Networks to reinforce the knowledge base for climate, natural resources and raw materials			08-04-2014
	b) Integrating North African, Middle East and Balkan Earth Observation capacities in GEOSS			10-03-2015
Cross-challenge topics				
SC5_19	Coordinating and supporting research and innovation in the area of climate action, environment, resource efficiency and raw materials	CSA		
	a) Facilitating transnational cooperation between NCPs in Societal Challenge 5			08-04-2014
	b) Mapping Member State research and innovation in climate change, environment, resource efficiency and raw materials			10-03-2015
SC5_20	Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials	SME	36 (fase 1 0,05 per project, fase 2 0,5-2,5 per proj.)	Continu, zie pagina 21
Fast Track to Innovation - pilot		Innovation	3 per project	Call 2015

Societal Challenge 6

Inclusive, Innovative and Reflective societies

Het call-budget bedraagt circa 112 miljoen euro voor 2014 en circa 124 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Call	Overcoming the Crisis: New Ideas, Strategies and Governance Structures for Europe		35 (2014) 17 (2015)	
EURO 1	Resilient and sustainable economic and monetary union in Europe	R&I	10	03-06-2014
EURO 2	The European growth agenda	R&I	10	03-06-2014
EURO 3	European societies after the crisis	R&I	7,5	03-06-2014
EURO 4	Political challenges for Europe	R&I	7,5	03-06-2014
EURO 5	ERA-NET on Smart Urban Futures	ERANET	5	07-01-2015
EURO 6	Meeting new societal needs by using emerging technologies in the public sector	R&I, CSA	12	21-04-2015
Call	The Young Generation in an Innovative, Inclusive and Sustainable Europe		19 (2014) 10,2 (2015)	
YOUNG 1	Early job insecurity and labour market exclusion	R&I		03-06-2014
YOUNG 2	Youth mobility: opportunities, impacts, policies	R&I		03-06-2014
YOUNG 3	Lifelong learning for young adults: better policies for growth and inclusion in Europe	R&I		07-01-2015
YOUNG 4	The young as a driver of social change	R&I		07-01-2015
YOUNG 5	Societal and political engagement of young people and their perspectives on Europe	R&I, Innovation		03-06-2014
Call	Reflective Societies: Cultural Heritage and European Identities		23 (2014) 26,5 (2015)	
REFLECTIVE 1	ERA Net on Uses of the past	ERANET	5	03-06-2014
REFLECTIVE 2	Emergence and transmission of European cultural heritage and Europeanisation	R&I	15,5 voor	07-01-2015
REFLECTIVE 3	European cohesion, regional and urban policies and the perceptions of Europe	R&I	2-5 samen	07-01-2015
REFLECTIVE 4	Cultural opposition in the former socialist countries	R&I		07-01-2015
REFLECTIVE 5	The cultural heritage of war in contemporary Europe	R&I		07-01-2015
REFLECTIVE 6	Innovation ecosystems of digital cultural assets	Innovation	10	21-04-2015
REFLECTIVE 7	Advanced 3D modelling for accessing and understanding European cultural assets	R&I, CSA	14	30-09-2014
REFLECTIVE 8	Communication and dissemination platform	CSA	1	07-01-2015
REFLECTIVE 9	Social Platform on Reflective Societies	CSA	1	03-06-2014
REFLECTIVE 10	Mobilising the network of National Contact Points in Societal Challenge 6	CSA	3	03-06-2014
Call	Europe as a Global Actor		8,35 (2014) 35,35 (2015)	
INT 1	Enhancing and focusing research and innovation cooperation with the Union's key international partner countries	CSA		
	- Russia and China		3,9	29-04-2014
	- Australia, USA, Brazil, South Africa, Ukraine		6,9	20-01-2015
INT 2	Encouraging the research and innovation cooperation between the Union and selected regional partners	CSA		

	- Black Sea, Middle East, Africa		4,45	29-04-2014
	- Southern Mediterranean Neighbourhood, Eastern Partnership		3,45	20-01-2015
INT 3	Europe's contribution to a value-based global order and its contestants	R&I	25 voor	07-01-2015
INT 4	The European Union's contribution to global development: in search of greater policy coherence	R&I	INT 3-12	07-01-2015
INT 5	Rethinking the European Union crisis response mechanism in light of recent conflicts	R&I	25 voor	07-01-2015
INT 6	Re-invigorating the partnership between the two shores of the Mediterranean	R&I	INT 3-12	07-01-2015
INT 7	Towards a new geopolitical order in the South and East Mediterranean region	R&I	25 voor	07-01-2015
INT 8	The European Union and the Eastern Partnership	R&I	INT 3-12	07-01-2015
INT 9	The European Union, Turkey and its wider neighbourhood: challenges and opportunities	R&I	25 voor	07-01-2015
INT 10	The European Union and integration challenges in the Balkans	R&I	INT 3-12	07-01-2015
INT 11	European cultural and science diplomacy: exploiting the potential of culture in the EU's external relations	R&I	25 voor	07-01-2015
INT 12	The cultural, scientific and social dimension of EU-LAC relations	R&I	INT 3-12	07-01-2015

Call	New Forms of Innovation		26,5(2014)	
			34,9 (2015)	
INSO 1	ICT-Enabled open government	Innovation, CSA	21,5	29-04-2014, 21-04-2015
INSO 2	Understanding and supporting business model innovation	R&I	3	29-04-2014
INSO 3	The economic impact of the Innovation Union	R&I	3	29-04-2014
INSO 4	Innovative schemes for open innovation and science 2.0	R&I, CSA	10,7	31-03-2015
INSO 5	Social innovation community	CSA	3	31-03-2015
INSO 6	Platform for ICT for Learning and Inclusion	CSA	1	29-04-2014
INSO 7	Towards joint programming under Horizon 2020	CSA	3,2	29-04-2014
INSO 8	Synchronised Call initiatives	CSA	1	29-04-2014
INSO 9	Innovative mobile e-government applications by SMEs	SME	4	Continu in 2015, zie pagina 21
INSO 10	SME business model innovation	SME	11	Continu in 2015, zie pagina 21

Societal Challenge 7

Secure Societies - Protecting freedom and security of Europe and its citizens

Het call-budget bedraagt 194 miljoen euro voor 2014 en 215 miljoen euro voor 2015.

Topic	Omschrijving	Type project	Budget (miljoen euro)	Sluiting
Disaster-resilience: safeguarding and securing society, including adapting to climate change			72,4 (2014) 100,5 (2015)	
Crisis management				
DRS 1	Potential of current measures and technologies to respond to extreme weather and climate events	Innovation		27-08-2015
DRS 2	Tools for detection, traceability, triage and individual monitoring of victims after a mass CBRN contamination and/or exposure	Innovation		28-08-2014
DRS 3	Demonstration activity on large scale disasters and crisis management and resilience of EU external assets against major identified threats or causes of crisis	Innovation		27-08-2015
DRS 4	Feasibility study for strengthening capacity-building for health and security protection in case of large-scale pandemics – Phase I Demo	CSA		28-08-2014
DRS 5	Situation awareness of Civil Protection decision-making solutions – preparing the ground for a Pre-commercial Procurement (PCP)	CSA		28-08-2014
DRS 6	Addressing standardisation opportunities in support of increasing disaster resilience in Europe	CSA		27-08-2015
DRS 7	Crises and disaster resilience – operationalizing resilience concepts	R&I		28-08-2014
DRS 8	Trans-national co-operation among National Contact Points (NCPs) for Security	CSA (1)		28-08-2014
Disaster Resilience & Climate Change				
DRS 9	Science and innovation for adaptation to climate change: from assessing costs, risks and opportunities to demonstration of options and practices	CSA, R&I (2014) Innovation (2015)		28-08-2014 27-08-2015
DRS 10	Natural Hazards: Towards risk reduction science and innovation plans at national and European level	CSA		27-08-2015
DRS 11	Mitigating the impacts of climate change and natural hazards on cultural heritage sites, structures and artefacts	R&I		27-08-2015
Critical Infrastructure Protection				
DRS 12	Critical Infrastructure “smart grid” protection and resilience under “smart meters” threats	R&I		27-08-2015
DRS 13	Demonstration activity on tools for adapting building and infrastructure standards and design methodologies in vulnerable locations in case of natural or man-originated catastrophes	R&I		27-08-2015
DRS 14	Critical Infrastructure resilience indicator - analysis and development of methods for assessing resilience	R&I		27-08-2015
DRS 15	Protecting potentially hazardous and sensitive sites/areas considering multi-sectorial dependencies	Innovation		27-08-2015
DRS 16	Improving the aviation security chain	R&I		28-08-2014
DRS 17	SME instrument topic: “Protection of Urban soft targets and urban critical infrastructures”	SME	14,4	Continu, zie pagina 21
Communication technologies and interoperability				
DRS 18	Interoperable next generation of broadband radio communication system for public safety and security – Pre-commercial Procurement (PCP)	PCP		28-08-2014
DRS 19	Next generation emergency services	R&I		28-08-2014

Ethical/Societal Dimension			
DRS 20	Improving protection of Critical infrastructures from insider threats	CSA	28-08-2014
DRS 21	Better understanding the links between culture, risk perception and disaster management	CSA	28-08-2014
DRS 22	Impact of climate change in third countries on Europe's security	CSA	27-08-2015
Fight against crime and Terrorism			34,8 (2014) 44,3 (2015)
Forensics			
FCT 1	Tools and infrastructure for the fusion, exchange and analysis of big data including cyber-offenses generated data for forensic investigation	R&I	27-08-2015
FCT 2	Advanced easy to use in-situ forensic tools at the scene of crime	Innovation	27-08-2015
FCT 3	Mobile, remotely controlled technologies to examine a crime scene in case of an accident or a terrorist attack involving CBRNE materials	R&I	27-08-2015
FCT 4	Internet Forensics to combat organized crime	Innovation	27-08-2015
Law enforcement capabilities			
FCT 5	Develop novel monitoring systems and miniaturised sensors that improve Law Enforcement Agencies' evidence- gathering abilities	Innovation	28-08-2014
FCT 6	Detection and analysis of terrorist-related content on the Internet	Innovation	27-08-2015
FCT 7	Pan European platform for serious gaming and training	R&I	28-08-2014
FCT 8	Trans-national cooperation among public end-users in security research stakeholders	CSA	28-08-2014
FCT 9	Identity Management	R&I	27-08-2015
Urban security			
FCT 10	Innovative solutions to counter security challenges connected with large urban environment	R&I	28-08-2014
FCT 11	Countering the terrorist use of an explosive threat, across the timeline of a plot, including the detection of explosives in a flow	R&I	28-08-2014
FCT 12	Minimum intrusion tools for de-escalation during mass gatherings improving citizens' protection	R&I	28-08-2014
Ethical/Societal Dimension			
FCT 13	Factors affecting (in-) security	CSA	28-08-2014
FCT 14	Enhancing cooperation between law enforcement agencies and citizens - Community policing	R&I	28-08-2014
FCT 15	Better understanding the role of new social media networks and their use for public security purposes	CSA	27-08-2015
FCT 16	Investigating the role of social, psychological and economic aspects of the processes that lead to organized crime (including cyber related offenses), and/or terrorist networks and their impact on social cohesion	R&I	27-08-2015
FCT 17	Fast track to Innovation Topic	Innovation	27-08-2015
Border Security and External Security			40,1 (2014) 20,1 (2015)
Maritime Border Security			
BES 1	Radar systems for the surveillance of coastal and pre-frontier areas and in support of search and rescue operations	Innovation	28-08-2014
BES 2	Low cost and "green" technologies for EU coastal border surveillance	R&I	27-08-2015
BES 3	Light optionally piloted vehicles (and sensors) for maritime surveillance	Innovation	28-08-2014
BES 4	Detection of low flying aircraft at near shore air space	R&I	27-08-2015
Border crossing points			
BES 5	Novel mobility concepts for land border security	R&I	27-08-2015

BES 6	Exploring new modalities in biometricbased border checks	R&I	27-08-2015
BES 7	Optimization of border control processes and planning	CSA	27-08-2015
Supply Chain Security			
BES 8	Development of an enhanced non-intrusive (stand-off) scanner	R&I	27-08-2015
BES 9	Technologies for inspections of large volume freight	R&I	28-08-2014
Information management			
BES 10	Civilian humanitarian mission personnel tracking	R&I	27-08-2015
BES 11	Information management, systems and infrastructure for civilian EU External Actions	CSA	28-08-2014
Conflict prevention and peace building			
BES 12	Enhancing the civilian conflict prevention and peace building capabilities of the EU	CSA	28-08-2014
BES 13	Training curricula for Conflict Prevention and Peace Building personnel	CSA	27-08-2015
Ethical Societal Dimension			
BES 14	Human factors in border control	R&I	28-08-2014

Digital Security: Cybersecurity, Privacy and Trust			47 (2014)	
			49,6 (2015)	
DS 1	Privacy	Innovation	19	13-05-2014
DS 2	Access Control	Innovation	18	13-05-2014
DS 3	The role of ICT in Critical Infrastructure Protection	Innovation	17,5	21-04-2015
DS 4	Secure Information Sharing	Innovation	15,3	21-04-2015
DS 5	Trust eServices	Innovation	17,5	21-04-2015
DS 6	Risk management and assurance models	Innovation	10	13-05-2014

