

**Appels à propositions dans le cadre du programme européen pour la
recherche et l'innovation « HORIZON 2020 »**

DEFIS SOCIETAUX

CLIMATE ACTION, ENVIRONMENT, RESOURCE EFFICIENCY AND RAW MATERIALS

Lien	Titre	Budget	Date limite
H2020-SC5-2016	Climate action, environment, resource efficiency and raw materials	142 850 000€	Dépend des appels
H2020-SC5-2017		183 100 000€	

SANTÉ, CHANGEMENT DÉMOGRAPHIQUE, BIEN ÊTRE : PERSONALISED MEDICINE

Lien	Titre	Budget	Date limite
H2020-SC1-2016	Health, demographic change and well-being	343 000 000€	Dépend des appels
H2020-SC1-2017		315 260 000€	

UNE ENERGIE PROPRE, EFFICACE ET SÛRE

Lien	Titre	Budget	Date limite
EE-2016	Energy efficiency	93 000 000€	Dépend des appels
EE-2017		101 000 000€	
LCE-2016	Competitive Low Carbon Energy	355 660 000€	
LCE-2017		367 620 000€	

**SÉCURITÉ: SECURE SOCIETIES- PROTECTING FREEDOM AND SECURITY OF EUROPE AND ITS
CITIZENS**

Lien	Titre	Budget	Date limite
CIP-01-2016-2017	Prevention, detection, response and mitigation of the combination of physical and cyber threats to the critical infrastructure of Europe.	10 000 000€	25 aout 2016
SEC-2016	Secure societies- Protecting freedom and security of Europe and its citizens	113 250 000 €	Dépend des appels
SEC-2017		121 750 000€	
DS-01-2016	Assurance and Certification for Trustworthy and	23 500 000 €	12 avril 2016

	Secure ICT systems, services and components		
DS-02-2016	:Cyber Security for SMEs, local public administration and Individuals	22 000 000€	25 aout 2016
DS-03-2016	Increasing digital security of health related data on a systemic level	11 000 000€	16 février 2016
DS-04-2016	Economics of Cybersecurity	4 000 000€	25 aout 2016
DS-05-2016	EU Cooperation and International Dialogues in Cybersecurity and Privacy Research and Innovation	3 000 000€	25 aout 2016
DS-06-2017	Cryptography	A définir	25 avril 2016
DS-07-2017	Addressing Advanced Cyber Security Threats and Threat Actors	A définir	24 aout 2017
DS-08-2017	Privacy, Data Protection, Digital Identities	A définir	24 aout 2017

TRANSPORTS INTELLIGENTS, VERTS ET INTÉGRÉS

❖ Mobilité pour la croissance

Lien	Titre	Budget	Date limite
MG-2016	Mobility for growth	210 100 000€	Dépend des appels
MG-2017		225 500 000€	

❖ Transports

Lien	Titre	Budget	Date limite
SESAR.IR-VLD.WAVE1-2015	SESAR-RIA Research and Innovation action SESAR-IA Innovation action	260 075 000€	11 février 2016
JTI-CS2-2015-CPW03	CS2-IA Innovation action	95 900 000€	4 février 2016
H2020-CS2-CFP02-2015-01	Clean Sky call for proposal 02	57 950 000€	18 novembre 2015
CLEANAIR-01-2015	Horizon Prize – Materials for Clean Air	3 000 000€	23 janvier 2018

ART-01-2017	ICT infrastructure to enable the transition towards road transport automation	A définir	26 January 2017 27 September 2017
ART-02-2016	Automation pilots for passenger cars	48 000 000€	20 January 2016 29 September 2016
ART-04-2016	Safety and end-user acceptance aspects of road automation in the transition period		20 January 2016 29 September 2016
ART-03-2017:	Multi-Brand platooning in real traffic conditions	A définir	26 January 2017 27 September 2017
ART-05-2016	Road infrastructure to support the transition to automation and the coexistence of conventional and automated vehicles on the same network	13 000 000€	20 January 2016 29 September 2016
ART-06-2016	Coordination of activities in support of road automation	3 000 000€	26 janvier 2016
ART-07-2017	Full-scale demonstration of urban road transport automation	A définir	26 janvier 2017 27 septembre 2017

❖ **Green Véhicules**

Lien	Titre	Budget	Date limite
GV-01-2017	Optimisation of heavy duty vehicles for alternative fuels use	A définir	1 février 2017
GV-02-2016:	Technologies for low emission light duty powertrains	65 000 000€	26 janvier 2016
GV-03-2016:	System and cost optimised hybridisation of road vehicles		14 février 2017 13 septembre 2017
GV-04-2017	Next generation electric drivetrains for fully electric vehicles, focusing on high efficiency and low cost	A définir	1 février 2017

GV-05-2017	Electric vehicle user-centric design for optimised energy efficiency	A définir	1 février 2017
GV-06-2017	Physical integration of hybrid and electric vehicle batteries at pack level aiming at increased energy density and efficiency	A définir	1 février 2017
GV-07-2017	Multi-level modelling and testing of electric vehicles and their components	A définir	1 février 2017
GV-08-2017	Electrified urban commercial vehicles integration with fast charging infrastructure	A définir	1 février 2017
GV-09-2017	Aerodynamic and flexible trucks	A définir	1 février 2017
GV-10-2017	Demonstration (pilots) for integration of electrified L-category vehicles in the urban transport system	A définir	1 février 2017
GV-11-2016	Stimulating European research and development for the implementation of future road transport technologies	3 500 000€	26 janvier 2016
GV-12-2016:	ERA-NET Co-fund on electromobility	10 000 000€	26 janvier 2016

EUROPE DANS UN MONDE QUI CHANGE : SOCIETES INNOVANTES, INCLUSIVE ET REPRESENTATIVE

❖ [ENG Globally](#)

Lien	Titre	Budget	Date limite
ENG-GLOBALLY-01-2017	Strengthening Europe's position in the global context: science diplomacy and intercultural relations		
ENG-GLOBALLY-02-2017	Shifting global geopolitics and		

	Europe's preparedness for managing risks, mitigation actions and fostering peace	A définir	2 février 2017
ENG-GLOBALLY-03-2017	:The European Union and the global challenge of migration		
ENG-GLOBALLY-04-2017	Science diplomacy for EU neighbourhood policies		
ENG-GLOBALLY-05-2017	The strategic potential of EU external trade policy		
ENG-GLOBALLY-06-2017	The Asia-Pacific as a strategic region for Europe		
ENG-GLOBALLY-07-2017	The European Union and Central Asia		
ENG-GLOBALLY-08-2016/2017	EU-China cooperation on sustainable urbanisation	1 500 000€	14 avril 2016
ENG-GLOBALLY-09-2016	Centres/Networks of European research and innovation	10 000 000€	14 avril 2016

❖ CO- creation

Lien	Titre	Budget	Date limite
CO-CREATION-01-2017	Education and skills: empowering Europe's young innovators	A définir	2 février 2017
CO-CREATION-02-2016	User-driven innovation: value creation through design-enabled innovation	4 000 000 €	4 février 2016
CO-CREATION-03-2016	Piloting demand-driven collaborative innovation models in Europe	5 000 000€	4 février 2016
CO-CREATION-04-2017	Applied co-creation to deliver public services	A définir	2 février 2017
CO-CREATION-05-2016	Co-creation between public administrations: once-only principle	9 000 000 €	24 mai 2016
CO-CREATION-06-2017	Policy-development in the age of big data: data-driven policy-	A définir	2 février 2017

	making, policy-modelling and policy-implementation		
CO-CREATION-07-2017	Towards a new growth strategy in Europe - Improved economic and social measurement, data and official statistics	A définir	2 février 2017
CO-CREATION-08-2016/2017	Better integration of evidence on the impact of research and innovation in policy making	3 500 000€	4 février 2016
CO-CREATION-09-2016	A European map of knowledge production and co-creation in support of research and innovation for societal challenges	2 000 000€	4 février 2016

❖ Culture-coopération

Lien	Titre	Budget	Date limite
CULT-COOP-01-2017	Democratic discourses and the rule of law	A définir	2 février 2017
CULT-COOP-02-2017	Improving mutual understanding among Europeans by working through troubled pasts		
CULT-COOP-03-2017	Cultural literacy of young generations in Europe		
CULT-COOP-04-2017	Contemporary histories of Europe in artistic and creative practices		
CULT-COOP-05-2017	Religious diversity in Europe - past, present and future		
CULT-COOP-06-2017	Participatory approaches and social innovation in culture		
CULT-COOP-07-2017	Cultural heritage of European coastal and maritime regions		
CULT-COOP-08-2016	Virtual museums and social platform on		

	European digital heritage, memory, identity and cultural interaction.		
CULT-COOP-09-2017	European cultural heritage, access and analysis for a richer interpretation of the past.	A définir	2 février 2017
CULT-COOP-10-2017	Culture, integration and European public space	A définir	2 février 2017
CULT-COOP-11-2016/2017	Understanding the transformation of European public administrations	13 000 000€	4 février 2016

❖ REV inequal

Lien	Titre	Budget	Date limite
REV-INEQUAL-03-2016	Dynamics of inequalities across the life-course	5 000 000€	4 février 2016
REV-INEQUAL-01-2016	An empirically informed European theory of justice and fairness	37 500 000 €	
REV-INEQUAL-02-2016	Contemporary radicalisation trends and their implications for Europe		
REV-INEQUAL-04-2016	Intra-EU mobility and its impacts for social and economic systems		
REV-INEQUAL-05-2016	Inequalities in the EU and their consequences for democracy, social cohesion and inclusion		
REV-INEQUAL-06-2016	Tackling inequalities at their roots: new policies for fairness in education from early age		
REV-INEQUAL-07-2016	Spatial justice, social cohesion and territorial inequalities		
REV-INEQUAL-08-2016	Fighting inequalities through policies against tax fraud and tax evasion		

REV-INEQUAL-09-2017	Boosting inclusiveness of ICT-enabled research and innovation	A définir	2 février 2017
REV-INEQUAL-10-2016	Multi-stakeholder platform for enhancing youth digital opportunities	5 000 000€	4 février 2016

SECURITE ALIMENTAIRE, UNE FORET ET UNE AGRICULTURE DURABLE, RECHERCHE MARITIME, MARINE ET SUR LES EAUX INTERIEURES, BIO ECONOMIE

❖ [Bio-économie](#)

Lien	Titre	Budget	Date limite
H2020-BBI-PPP-2015-2-1	Bio based industries Joint Undertaking	106 000 000 €	3 décembre 2015
BB-01-2016	Sustainability schemes for the bio-based economy	5 000 000€	17 February 2016 13 September 2016
BB-02-2017	Towards a method for the collection of statistical data on bio-based industries and bio-based products	A définir	14 February 2017 13 September 2017
BB-03-2017	Adaptive tree breeding strategies and tools for forest production systems resilient to climate change and natural disturbances	A définir	14 February 2017 13 September 2017
BB-04-2016	Intelligent solutions and tools in forest production systems, fostering a sustainable supply of quality wood for the growing bioeconomy	6 000 000€	17 février 2016
BB-05-2017	Bio-based products: Mobilisation and mutual learning action plan	A définir	14 février 2017
BB-06-2016	The regional dimension of bio-based industries	1 000 000€	17 février 2016

❖ [SFS](#)

Lien	Titre	Budget	Date limite
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H2020-SFS-2016	Sustainable Food Security	180 500 000€	Dépend des appels
H2020-SFS-2017		251 000 000€	

❖ [Blue-growth : bio économie pour les océans](#)

Lien	Titre	Budget	Date limite
BG-01-2016	Large-scale algae biomass integrated biorefineries	22 000 000€	17 février 2016
BG-02-2016-2017	High value-added specialised vessel concepts enabling more efficient servicing of emerging coastal and offshore activities	7 000 000€	
BG-03-2016	Multi-use of the oceans' marine space, offshore and near-shore: compatibility, regulations, environmental and legal issues	2 000 000€	
BG-04-2017	Multi-use of the oceans marine space, offshore and near-shore: Enabling technologies	A définir	14 février 2017
BG-05-2016:	ERA-NET Cofund on marine technologies	8 000 000€	17 février 2016
BG-06-2017	Interaction between people, oceans and seas: a strategic approach towards healthcare and well-being	A définir	14 février 2017
BG-07-2017	Blue green innovation for clean coasts and seas	A définir	14 février 2017
BG-08-2017	Innovative sustainable solutions for improving the safety and dietary properties of seafood	A définir	14 février 2017
BG-09-2016	An integrated Arctic observation system	30 000 000€	17 février 2016
BG-10-2016	Impact of Arctic changes on the weather and climate		17 février 2016

	of the Northern Hemisphere		
BG-11-2017	The effect of climate change on Arctic permafrost and its socio-economic impact, with a focus on coastal areas	A définir	14 février 2017
BG-12-2016	Towards an integrated Mediterranean Sea Observing System	8 000 000€	17 février 2016 13 septembre 2016
BG-13-2016	Support to the BLUEMED Initiative: Coordination of marine and maritime research and innovation activities in the Mediterranean	3 000 000€	17 février 2016

❖ Rural

Lien	Titre	Budget	Date limite
RUR-01-2016	Consolidated policy framework and governance models for synergies in rural-urban linkages	6 000 000€	17 février 2016 13 septembre 2016
RUR-02-2017	Coastal-rural interactions: Enhancing synergies between land and sea-based activities	A définir	14 février 2017 13 septembre 2017
RUR-03-2017	Towards 2030 - policies and decision tools for an integrated management of natural resources		14 février 2017 13 septembre 2017
RUR-04-2016	Water farms – improving farming and its impact on the supply of drinking water	5 000 000€	17 février 2016 13 septembre 2016
RUR-05-2017	Novel public policies, business models and mechanisms for the sustainable supply of and payment for forest ecosystem services	A définir	14 février 2017

RUR-06-2016	Crop diversification systems for the delivery of food, feed, industrial products and ecosystems services - from farm benefits to value-chain organisation	20 000 000€	17 février 2016
RUR-07-2016	Resource-efficient and profitable industrial crops on marginal land	6 000 000€	17 février 2016
RUR-08-2016	Demonstration of integrated logistics centres for food and non-food applications	12 000 000€	17 février 2016
RUR-09-2017	Business models for modern rural economies	A définir	14 février 2017
RUR-10-2016-2017	Thematic Networks compiling knowledge ready for practice	10 000 000€	17 février 2016
RUR-11-2016	On-farm demonstrations: deepening farmer-to-farmer learning mechanisms	2 000 000€	17 février 2016
RUR-12-2017	Networking European farms to boost thematic knowledge exchanges and close the innovation gap	A définir	14 février 2017
RUR-13-2017	Building a future science and education system fit to deliver to practice	A définir	14 février 2017 13 septembre 2017
RUR-14-2016	Advisors' roles in the functioning of AKIS and advisory policies boosting innovation in sustainable agriculture	5 000 000€	17 février 2016 13 septembre 2016
RUR-15-2017	The benefits of working with others – fostering social capital in the farming sector	A définir	14 février 2017
RUR-16-2017	Optimising interactive innovation project approaches and the delivery of EU policies	A définir	14 février 2017 13 septembre 2017

	to speed up innovation in rural areas		
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❖ [Smart and sustainable cities](#)

Lien	Titre	Budget	Date limite
SCC-1-2016-2017	Smart Cities and Communities lighthouse projects	60 000 000€	5 avril 2016
SCC-02-2016-2017	Demonstrating innovative nature-based solutions in cities	40 000 000€	8 mars 2016 6 septembre 2016
SCC-03-2016	New governance, business, financing models and economic impact assessment tools for sustainable cities with nature-based solutions (urban re-naturing)	15 000 000€	8 mars 2016
SCC-04-2016	Sustainable urbanisation	5 000 000€	8 mars 2016

❖ [Shift2Rail Joint Undertaking \(liste des appels non exhaustive\)](#)

Lien	Titre	Budget	Date limite
S2R-CFM-IP1-01-2016	Development of concepts towards the next generation of traction systems and management of wheel/rail adhesion	13 000 000€	17 mars 2016
S2R-CFM-IP1-02-2016	Development of new technological concepts, standard specifications and architectures for train control and monitoring, with specific applications in train-to-ground communications and high safety electronic control of brakes	6 000 000€	
S2R-CFM-IP3-01-2016	Research into enhanced track and switch and crossing	2 800 000€	

	system		17 mars 2016
S2R-CFM-IP3-02-2016	Intelligent maintenance systems and strategies	7 300 000€	
S2R-OC-IP1-01-2016	Tools and methodologies supporting the development of next generation traction systems, and brakes	1 100 000€	
S2R-OC-IP1-02-2016	Technology feasibility studies supporting the development of next generation TCMS, and safe control for brakes	7 000 000€	
S2R-OC-IP3-01-2016	Research into new radical ways of changing trains between tracks	5 000 000€	
S2R-OC-IP4-01-2016	Interoperability Framework governance, ensuring its market uptake and sustainability	2 000 000€	
S2R-OC-IP4-02-2016	Interoperability Framework Converters	1 000 000€	

❖ **IMI: innovative Medicines Initiatives**

Lien	Titre	Budget	Date limite
IMI2-2015-07-01	VALIDATION OF TRANSLATIONAL IMAGING METHODS IN DRUG SAFETY ASSESSMENT (TRISTAN)	93 604 000€	17 mars 2016 6 septembre 2016
IMI2-2015-07-02	IDENTIFICATION OF DRUGGABLE TARGETS MODULATING MISFOLDED PROTEINS IN ALZHEIMER'S AND PARKINSON'S DISEASES		

<u>IMI2-2015-07-03</u>	PATHOLOGICAL NEURON-GLIA INTERACTIONS IN NEUROPATHIC PAIN		
<u>IMI2-2015-07-04</u>	DRY AGE-RELATED MACULAR DEGENERATION: DEVELOPMENT OF NOVEL CLINICAL ENDPOINTS FOR CLINICAL TRIALS WITH A REGULATORY AND PATIENT ACCESS INTENTION		
<u>IMI2-2015-07-05</u>	A COMPREHENSIVE 'PAEDIATRIC PRECLINICAL POC PLATFORM' TO ENABLE CLINICAL MOLECULE DEVELOPMENT FOR CHILDREN WITH CANCER		
<u>IMI2-2015-07-06</u>	COORDINATION AND SUPPORT ACTIONS (CSA) FOR THE BIG DATA FOR BETTER OUTCOMES PROGRAMME		
<u>IMI2-2015-07-07</u>	INCREASE ACCESS AND USE OF HIGH QUALITY DATA TO IMPROVE CLINICAL OUTCOMES IN HEART FAILURE (HF), ATRIAL FIBRILLATION (AF), AND ACUTE CORONARY SYNDROME (ACS) PATIENTS		
<u>IMI2-2015-08</u>	Ebola and other filoviral haemorrhagic fevers (Ebola+) programme: future outbreaks	70 000 000€	16 Mars 2016 15 Septembre 2016 16 Mars 2017 14 Septembre 2017 15 Mars 2018

ENTREPRISE COMMUNE PILES A COMBUSTIBLE ET HYDROGENE 2

Lien	Titre	Budget	Date limite
FCH2 JU 2016	Fuel Cells and Hydrogen 2 Joint Undertaking	117 500 000€	3 mai 2016