

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

DÉFIS SOCIÉTAUX

Santé, bien-être, vieillissement

Titre	Type	Budget	Date d'ouverture	Date limite
Médecine personnalisée				
SC1-BHC-01-2019: Understanding causative mechanisms in co-and multimorbidities	RIA	70 M€	26-juil-18	02/10/2018 (1ère étape) puis 16/04/2019 (2ème étape)
SC1-BHC-02-2019: Systems approaches for the discovery of combinatorial therapies for complex disorders	RIA	50 M€	26-juil-18	02/10/2018 (1ère étape) puis 16/04/2019 (2ème étape)
Industrie du soin et de la santé innovante				
SC1-BHC-07-2019: Regenerative medicine: from new insights to new applications	RIA	50 M€	26-juil-18	16-avr-19
SC1-BHC-10-2019: Innovation Procurement: Next generation sequencing (NGS) for routine diagnosis	PCP	40 M€	26-juil-18	16-avr-19
Maladies infectieuses et amélioration de la santé mondiale				
SC1-BHC-13-2019: Mining big data for early detection of infectious disease threats driven by climate change and other factors	RIA	30 M€	26-juil-18	16-avr-19
SC1-BHC-14-2019: Stratified host-directed approaches to improve prevention, treatment and/or cure of infectious diseases	RIA	95 M€	26-juil-18	16-avr-19
SC1-BHC-15-2018: New anti-infective agents for prevention and/or treatment of neglected infectious diseases (NID)	RIA	52 M€	Ouvert	6/02/2018 (1ère étape) puis 04/09/2018
SC1-BHC-19-2019: Implementation research for maternal and child health	RIA	25 M€	26-juil-18	16-avr-19
Systèmes de santé et de soin innovants - intégration du soin				
SC1-BHC-22-2019: Mental health in the workplace	RIA	30 M€	26-juil-18	16-avr-19
SC1-BHC-25-2019: Demonstration pilots for implementation of personalised medicine in healthcare	IA	60 M€	26-juil-18	16-avr-19
Décoder le rôle de l'environnement, dont le changement climatique, sur la santé et le bien-être				
SC1-BHC-28-2019: The Human Exposome Project: a toolbox for assessing and addressing the impact of environment on health	RIA	50 M€	26-juil-18	16-avr-19
Transformation numérique dans la santé et le soin				
SC1-DTH-01-2019: Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment	RIA	35 M€	16-oct-18	24-avr-19
SC1-DTH-05-2019: Large scale implementation of digital innovation for health and care in an ageing society	PPI	10 M€	43389	43579
SC1-DTH-09-2019: Scaling up the univocal Identification of Medicinal Products	IA	19 M€	16-oct-18	24-avr-19
SC1-DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care	IA	20 M€	16-oct-18	24-avr-19

SC1-HCC-02-2019: Support for the large scale uptake of open service platforms in the Active and Healthy Ageing domain	CSA	1,5 M€	16-oct-18	24-avr-19
Solutions numériques de confiance et cybersécurité dans la santé et le soin				
DT-TDS-01-2019: Smart and healthy living at home	IA	60 M€	26-juil-18	14-nov-18



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DÉFIS SOCIÉTAUX

Sécurité alimentaire, bioéconomie

Titre	Type	Budget	Date d'ouverture	Date limite
Renaissance rurale				
CE-RUR-08-2018-2019-2020: Closing nutrient cycles	IA	8 M€	16-oct-18	23-janv-19
CE-RUR-10-2019: Circular bio-based business models for rural communities	IA	20 M€	16-oct-18	23-janv-19
LC-RUR-11-2019-2020: Sustainable wood value chains	IA	20 M€	16-oct-18	23-janv-19
RUR-01-2018-2019: Building modern rural policies on long-term visions and societal engagement	RIA	6 M€	16-oct-18	23-janv-19
RUR-15-2018-2019-2020: Thematic networks compiling knowledge ready for practice	CSA	10 M€	16-oct-18	23-janv-19
RUR-16-2019: Fuelling the potential of advisors for innovation	CSA	5 M€	16-oct-18	23-janv-19
Sécurité alimentaire durable				
CE-SFS-24-2019: Innovative and citizen-driven food system approaches in cities	IA	12 M€	16-oct-18	23-janv-19
CE-SFS-39-2019: High-quality organic fertilisers from biogas digestate	IA	5 M€	16-oct-18	23-janv-19
DT-SFS-26-2019: Food Cloud demonstrators	IA	10 M€	16-oct-18	23-janv-19
LC-SFS-17-2019: Alternative proteins for food and feed	IA	32 M€	16-oct-18	23-janv-19
LC-SFS-19-2018-2019: Climate-smart and resilient farming	RIA	14 M€	16-oct-18	23-janv-19
LC-SFS-19-2018-2019: Climate-smart and resilient farming	RIA	7 M€	Ouvert	43144
LC-SFS-20-2019: European Joint Programme on agricultural soil management	EJP	40 M€	43389	43488
LC-SFS-34-2019: Food Systems Africa	RIA	21 M€	16-oct-18	23-janv-19
SFS-04-2019-2020: Integrated health approaches and alternatives to pesticide use	RIA	15 M€	16-oct-18	23-janv-19
SFS-05-2018-2019-2020: New and emerging risks to plant health	RIA	7 M€	16-oct-18	23-janv-19
SFS-08-2018-2019: Improving animal welfare	IA	6 M€	16-oct-18	23-janv-19
SFS-11-2018-2019: Anti-microbials and animal production	RIA	6 M€	16-oct-18	23-janv-19
SFS-12-2019: A vaccine against African swine fever	IA	10 M€	16-oct-18	23-janv-19
SFS-23-2019: Integrated water management in small agricultural catchments	RIA	14 M€	16-oct-18	23-janv-19
SFS-28-2018-2019-2020: Genetic resources and pre-breeding communities	RIA	14 M€	16-oct-18	23-janv-19
SFS-30-2018-2019-2020: Agri-Aqua Labs	RIA	10 M€	16-oct-18	23-janv-19
SFS-31-2019: ERANETs in agri-food	ERANET	21 M€	16-oct-18	23-janv-19
SFS-35-2019-2020: Sustainable Intensification in Africa	RIA	35 M€	16-oct-18	23-janv-19
SFS-37-2019: Integrated approaches to food safety controls across the food chain	RIA	8 M€	16-oct-18	23-janv-19
Croissance bleue				
BG-05-2019: Multi-use of the marine space, offshore and near-shore: pilot demonstrators	IA	18 M€	16-oct-18	23-janv-19
BG-07-2019-2020: The Future of Seas and Oceans Flagship Initiative	IA	18 M€	16-oct-18	23-janv-19

BG-08-2018-2019: All Atlantic Ocean Research Alliance Flagship	RIA	27 M€	16-oct-18	23-janv-19
CE-BG-06-2019: Sustainable solutions for bio-based plastics on land and sea	IA	18 M€	16-oct-18	23-janv-19
DT-BG-04-2018-2019: Sustainable European aquaculture 4.0: nutrition and breeding	IA	6 M€	16-oct-18	23-janv-19
LC-BG-09-2019: Coordination of marine and maritime research and innovation in the Black Sea	CSA	2 M€	16-oct-18	23-janv-19



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DÉFIS SOCIETAUX

Energies sûres, propres et efficaces

Titre	Type	Budget	Date d'ouverture	Date limite
Efficacité énergétique				
LC-SC3-EE-1-2018-2019-2020: Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation	IA	9 M€	25-janv-18	4-sept-18
	IA	12 M€	24-janv-19	3-sept-19
LC-SC3-EE-2-2018-2019: Integrated home renovation services	CSA	7 M€	25-janv-18	4-sept-18
		10 M€	24-janv-19	3-sept-19
LC-SC3-EE-3-2019-2020: Stimulating demand for sustainable energy skills in the construction sector	CSA	6 M€	24-janv-19	3-sept-19
LC-SC3-EE-4-2019-2020: Upgrading smartness of existing buildings through innovations for legacy equipment	IA	10 M€	24-janv-19	3-sept-19
LC-SC3-EE-5-2018-2019-2020: Next-generation of Energy Performance Assessment and Certification	CSA	5 M€	25-janv-18	4-sept-18
	IA	10 M€	24-janv-19	3-sept-19
LC-SC3-EE-6-2018-2019-2020: Business case for industrial waste heat/cold recovery	IA	9 M€	25-janv-18	4-sept-18
	CSA	10 M€	24-janv-19	4-sept-18
LC-SC3-EE-8-2018-2019: Capacity building programmes to support implementation of energy audits	CSA	10 M€	25-janv-18	4-sept-18
		5 M€	24-janv-19	4-sept-18
LC-SC3-EE-9-2018-2019: Innovative financing for energy efficiency investments	CSA	6 M€	25-janv-18	4-sept-18
		4 M€	24-janv-19	24-janv-19
LC-SC3-EE-10-2018-2019-2020: Mainstreaming energy efficiency finance	CSA	6 M€	25-janv-18	4-sept-18
		6 M€	24-janv-18	3-sept-19
LC-SC3-EE-11-2018-2019-2020: Aggregation - Project Development Assistance	CSA	7 M€	25-janv-18	4-sept-18
		6 M€	24-janv-19	3-sept-19

LC-SC3-EE-13-2018-2019-2020: Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side as energy resource	CSA	4 M€	25-janv-18	4-sept-18
	IA	8 M€	24-janv-19	3-sept-19
LC-SC3-EE-14-2018-2019-2020: Socio-economic research conceptualising and modelling energy efficiency and energy demand	RIA	4 M€	25-janv-18	4-sept-18
		4 M€	24-janv-19	3-sept-19
LC-SC3-EE-15-2018: New energy label driving and boosting innovation in products energy efficiency	CSA	5 M€	25-janv-18	4-sept-18
LC-SC3-EE-16-2018-2019-2020: Supporting public authorities to implement the Energy Union	CSA	8 M€	25-janv-18	4-sept-18
		10 M€	24-janv-19	3-sept-19
LC-SC3-EE-17-2019: European City facility - European Cities as key innovation hubs to unlock finance for energy efficiency	CSA	11 M€	1-août-18	16-oct-18 (première étape) 25-avr-19 (deuxième étape)
Leadership global dans les renouvelables				
LC-SC3-RES-1-2019-2020: Developing the next generation of renewable energy technologies	RIA	20 M€	1-août-18	16-oct-18 (première étape) 25-avr-19 (deuxième étape)
LC-SC3-RES-4-2018: Renewable energy system integrated at the building scale	RIA	27,5 M€	Ouvert	31-janv-18 (première étape) 23-aou-2018 (deuxième étape)
LC-SC3-RES-7-2019: Solar Energy in Industrial Processes	RIA	10 M€	7-mai-19	27-août-19
LC-SC3-RES-11-2018: Developing solutions to reduce the cost and increase performance of renewable technologies	RIA	30 M€	Ouvert	31-janv-18 (première étape) 23-aou-2018 (deuxième étape)
LC-SC3-RES-14-2019: Optimising manufacturing and system operation	RIA	20 M€	1-août-18	16-oct-18 (première étape) 25-avr-19 (deuxième étape)
LC-SC3-RES-15-2019: Increase the competitiveness of the EU PV manufacturing industry	IA	25 M€	5-sept-18	11-déc-18
LC-SC3-RES-16-2019: Development of solutions based on renewable sources that provide flexibility to the energy system	RIA	15 M€	7-mai-19	27 aout 2019
LC-SC3-RES-17-2019: Demonstration of solutions based on renewable sources that provide flexibility to the energy system	IA	40 M€	5-sept-18	11-déc-18

LC-SC3-RES-23-2019: Development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping	RIA	20 M€	7-mai-19	27-août-19
LC-SC3-RES-24-2019: Boosting pre-commercial production of advanced aviation biofuels	IA	20 M€	5-sept-18	11-déc-18
LC-SC3-RES-28-2018-2019-2020: Market Uptake support	CSA	15 M€	5-sept-18	11-déc-18
LC-SC3-RES-3-2020: International Cooperation with USA on alternative renewable fuels for energy and transport	A définir			
LC-SC3-RES-9-2020: Next generation of thin-film photovoltaic technologies				
LC-SC3-RES-10-2020: Pre-Commercial Procurement for a 100% Renewable Energy Supply				
LC-SC3-RES-18-2020: Demonstration of the solutions based on renewable sources that provide flexibility to the energy system				
LC-SC3-RES-19-2020: Demonstration of floating wind farms				
LC-SC3-RES-20-2020: Efficient combination of concentrated solar power (CSP) and desalination (with particular focus on the Gulf Cooperation Council (GCC) region) 68 Renewable Fuels for transport)				
LC-SC3-RES-25-2020: International cooperation for Research and Innovation on advanced biofuels and alternative renewable fuels				
LC-SC3-RES-26-2020: Development of next generation biofuel and alternative renewable fuel technologies from CO2 and renewable energy (Power and Energy to Fuels)				
LC-SC3-RES-27-2020: Demonstration of advanced biofuels production from aquatic biomass				
Energie intelligente et propre pour les consommateurs				
LC-SC3-EC-1-2018-2019-2020: Micro role of consumers in changing the market through informed decision and collective actions	CSA	5 M€	24-janv-19	3-sept-19
LC-SC3-EC-2-2018-2019-2020: Mitigating household energy poverty	CSA	5 M€	24-janv-19	3-sept-19
LC-SC3-EC-3-2020 - Consumer engagement and demand response	A définir			
Systèmes énergétiques intelligents centrés sur les citoyens				
LC-SC3-ES-1-2019: Flexibility and retail market options for the distribution grid	IA	37,3 M€	5-sept-18	5-févr-19
LC-SC3-ES-6-2019: Research on advanced tools and technological development	RIA	25,35 M€	5-sept-18	5-févr-19
LC-SC3-ES-7-2018: Pan-European Forum for R&I on Smart Grids, Flexibility and Local Energy Networks	CSA	3 M€	5-déc-17	5-avr-18
LC-SC3-ES-8-2019: European Islands Facility - Unlock financing for energy transitions and supporting islands to develop investment concepts	CSA	10 M€	5-sept-18	5-févr-18
Communautés et villes intelligentes				
LC-SC3-SCC-1-2018-2019-2020: Smart Cities and Communities	IA	73 M€	5-sept-18	5-févr-19
Permettre des émissions de CO2 proches de zéro des centrales électriques à énergies fossiles et d'industries à fortes émissions				
LC-SC3-NZE-1-2018: Advanced CO2 capture technologies	RIA	20 M€	15-mai-18	6-sept-18

CE-SC3-NZE-2-2018: Conversion of captured CO2	RIA	12 M€	15-mai-18	6-sept-18
LC-SC3-NZE-3-2018: Strategic planning for CCUS development	CSA	3 M€	15-mai-18	6-sept-18
LC-SC3-NZE-4-2019: Integrated solutions for flexible operation of fossil fuel power plants through power-to-X-to-power and/or energy storage	IA	20 M€	7-mai-19	27-août-19
LC-SC3-NZE-5-2019-2020: Low carbon industrial production using CCUS	IA	33 M€	7-mai-19	27-août-19
LC-SC3-NZE-6-2020: Geological Storage Pilots	Joint Actions	A définir		
Actions communes				
LC-SC3-JA-1-2018: Joint programming actions to foster innovative energy solutions	ERA-NET Cofund	10 M€	15-mai-18	11-sept-18
LC-SC3-JA-2-2018: Support to the realisation of the Implementation Plans of the SET Plan	CSA	6 M€	15-mai-18	11-sept-18
LC-SC3-JA-3-2019: European Pre-Commercial Procurement Programme for Wave Energy Research & Development	Pre-commercial Procurement	20 M€	14-nov-18	27-août-19
LC-SC3-JA-5-2019: Joint Programming with EU and African partners for a R&I actions in the area of renewable energy	COFUND	15 M€	14-nov-18	27-août-19
Problématiques transversales				
LC-SC3-CC-1-2018-2019-2020: Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition	RIA	10 M€	7-mai-19	27-août-19
LC-SC3-CC-2-2018: Modelling in support to the transition to a Low-Carbon Energy System in Europe	RIA	5 M€	15-mai-18	6-sept-18
LC-SC3-CC-3-2019: Support for the opening of low-carbon energy research databases in Europe	CSA	2 M€	14-nov-18	27-août-19
LC-SC3-CC-5-2018: Research, innovation and educational capacities for energy transition	CSA	4 M€	15-mai-18	6-sept-18
LC-SC3-CC-6-2018: Transition in coal intensive regions	CSA	2 M€	15-mai-18	6-sept-18

Horizon prize for CO2 reuse	Prix	1,5 M€	Ouvert	3-avr-19
Horizon prize for a combined heat and power installation in a hospital using 100% renewable energy sources	Prix	1 M€	Ouvert	3-avr-19
Horizon prize for integrated photovoltaic system in European protected historic urban districts	Prix	0,75 M€	Ouvert	26-sept-18



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DÉFIS SOCIÉTAUX

Transports intelligents, verts et intégrés

Titre	Type	Budget	Date d'ouverture	Date limite
Construire un futur bas carbone et résilient au changement climatique : transport bas carbone et durable				
LC-MG-1-1-2018: InCo flagship on reduction of transport impact on air quality	RIA	30 M€	Ouvert	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
LC-MG-1-2-2018: Sustainable multi-modal inter-urban transport, regional mobility and spatial planning	RIA	12 M€	Ouvert	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
LC-MG-1-3-2018: Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility	RIA	11 M€	Ouvert	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
LC-MG-1-4-2018: Hardening vehicle environmental protection systems against tampering	RIA	5 M€	Ouvert	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
LC-MG-1-5-2019: Advancements in aerodynamics and innovative propulsion systems for quieter and greener aircrafts	RIA	15 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)
LC-MG-1-6-2019: Aviation operations impact on climate change (InCo flagship)	RIA	10 M€	4-déc-18	24-avr-19
LC-MG-1-7-2019: Future propulsion and integration: towards a hybrid/electric aircraft (InCo flagship)	RIA	15 M€	4-déc-18	24-avr-19
LC-MG-1-8-2019: Retrofit Solutions and Next Generation Propulsion for Waterborne Transport	IA	8 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)
	RIA	15 M€		
LC-MG-1-9-2019: Upgrading transport infrastructure in order to monitor noise and emissions	RIA	7 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)
LC-MG-1-10-2019: Logistics solutions that deal with requirements of the 'on demand economy' and for shared-connected and low-emission logistics operations	RIA	10 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)

Systèmes de transports sûrs, résilients et intégrés				
MG-2-1-2018: Human Factors in Transport Safety	RIA	18 M€	Ouvert	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
MG-2-2-2018: Marine Accident Response	IA	35 M€	Ouvert	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
	RIA			
MG-2-6-2019: Moving freight by Water: Sustainable Infrastructure and Innovative Vessels	RIA	30 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)
MG-2-7-2019: Safety in an evolving road mobility environment	RIA	8 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)
MG-2-8-2019: Innovative applications of drones for ensuring safety in transport	RIA	15 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)
MG-2-9-2019: InCo Flagship on Integrated multimodal, low-emission freight transport systems and logistics	RIA	14 M€	5-sept-18	16/01/19 (1ère étape) puis 12/09/19 (2ème étape)
MG-2-10-2020: Towards full automated infrastructure construction and maintenance	A définir			
MG-2-11-2020: Jointly implementing innovation in the areas of safety, connectivity and infrastructure (ERA-net Co-fund)				
Leadership global et compétitivité				
MG-3-1-2018: Multidisciplinary and collaborative aircraft design tools and processes	RIA	12 M€	31-oct-17	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
MG-3-2-2018: The Autonomous Ship	IA	20 M€	31-oct-17	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
MG-3-3-2018: "Driver" behaviour and acceptance of connected, cooperative and automated transport	RIA	12 M€	31-oct-17	30/01/18 (1ère étape) puis 19/09/18 (2ème étape)
MG-3-04-2020: Enhanced avionics, operations and door-to-door user-experience through higher connectivity and automation	A définir			
MG-3-05-2020: Towards a high-speed global air transportation demonstration				
MG-3-06-2020: Next Generation Multifunctional and Intelligent Aerostructures – from manufacturing to maintenance and recycling				

MG-3-07-2020: Improved Production Processes in Ship building				
Responsabilité vis-à-vis des citoyens				
MG-4-1-2018: New regulatory frameworks to enable effective deployment of emerging technologies and business/operating models for all transport modes	CSA	2 M€	31-oct-17	4-avr-18
MG-4-4-2018-2019: Support for dissemination events in the field of Transport Research	CSA	0,7 M€	4-déc-18	24-avr-19
MG-4-5-2019: An inclusive digitally interconnected transport system meeting citizens' needs	RIA	7 M€	4-déc-18	24-avr-19
MG-4-6-2019: Supporting Joint Actions on sustainable urban accessibility and connectivity	ERA-NET Cofund	6 M€	4-déc-18	24-avr-19
MG-4-07-2020: Digitisation of the transport system: data sharing, analytics	A définir			
MG-4-08-2020: Advanced methods and tools in support of transport/mobility researchers, planners and policy makers				
Croissance bleue				
MG-BG-02-2019: Ship emission control scenarios, marine environmental impact and mitigation	RIA	8 M€	4-déc-18	24-avr-19
MG-BG-03-2020: Under water noise mitigation and environmental impact	A définir			
Numériser et transformer l'industrie et les services européens : transport routier automatisé				
DT-ART-03-2019: Human centred design for the new driver role in highly automated vehicles	RIA	8 M€	4-déc-18	24-avr-19
DT-ART-04-2019: Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all	IA	30 M€	4-déc-18	24-avr-19
DT-ART-05-2020 - Efficient and safe connected and automated heavy-duty vehicles in real logistics operations	A définir			
DT-ART-06-2020 - Large-scale, cross-border demonstration of highly automated driving functions for passenger cars	A définir			
Construire un futur bas carbone et résilient au changement climatique : véhicules verts				
LC-GV-03-2019: User centric charging infrastructure	IA	35 M€	4-déc-18	24-avr-19
LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches	IA	25 M€	4-déc-18	24-avr-19
LC-GV-05-2019: InCo flagship on "Urban mobility and sustainable electrification in large urban areas in developing and emerging economies"	IA	18 M€	4-déc-18	24-avr-19
LC-GV-06-2020 - Next generation and realisation of battery packs for BEV and HEV	A définir			
LC-GV-07-2020 - Advanced light materials and their production processes for automotive applications				
LC-GV-08-2020 - Reducing the environmental impact of hybrid light duty vehicles				
LC-GV-09-2020 - Next generation electrified vehicles for urban use				
Autres actions				
Prix Horizon pour le moteur du futur le plus propre	Prix	3,5 M€	20-avr-16	20-août-19

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DÉFIS SOCIÉTAUX

Action pour le climat, l'environnement, l'efficacité des ressources et les matières premières

Titre	Type	Budget	Date d'ouverture	Date limite
Décarbonisation				
LC-CLA-01-2018: Supporting the development of climate policies to deliver on the Paris Agreement, through Integrated Assessment Models (IAMs)	RIA	25 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
LC-CLA-02-2019: Negative emissions and land-use based mitigation assessment	RIA	22 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
LC-CLA-09-2020: Achieving long-term climate goals and sustainable development (deep decarbonisation pathways and sustainable development at national and global level; the role of lifestyle change and consumption patterns on climate change mitigation)	A définir			
LC-CLA-10-2020: Innovative nature-based solutions for carbon neutral cities and improved air quality				
Adaptation, impact, services climatiques				
LC-CLA-03-2018: Climate change impacts in Europe	RIA	20 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
LC-CLA-04-2018: Resilience and sustainable reconstruction of historic areas to cope with climate change and hazard events	RIA	18 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
LC-CLA-05-2019: Human dynamics of climate change	RIA	23 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
LC-CLA-11-2020: Advancing climate services (seasonal to sub-seasonal [S2D] and seasonal to decadal [S2D] forecasting; climate services prototypes)	A définir			
LC-CLA-12-2020: Climate resilience of coastal cities				
LC-CLA-13-2020: Pre-commercial procurement of solutions for climate change resilience				

Inter-relations entre le changement climatique, la biodiversité et les services des écosystèmes				
LC-CLA-06-2019: Inter-relations between climate change, biodiversity and ecosystem services	RIA	25 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
LC-CLA-14-2020: Understanding water-energy-food nexus and streamlining water-related policies	A définir			
LC-CLA-15-2020: Nature based solutions for forest fires risk reduction and multi-hazard risk management in the E.U.				
La Cryosphère				
LC-CLA-07-2019: The changing cryosphere: uncertainties, risks and opportunities	RIA	39 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
LC-CLA-16-2020: Polar climate: understanding the polar processes in a global context	A définir			
Manque de connaissance				
LC-CLA-08-2018: Addressing knowledge gaps in climate science, in support of IPCC reports	RIA	60 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
LC-CLA-17-2020: Developing the next generation of Earth System Models	A définir			
Observation de la terre				
LC-CLA-18-2020: GEOSS observations supporting the EU in its international commitment in the domain of climate change	A définir			
LC-CLA-19-2020: Supporting the GEOSS Cold Regions Initiative				
Connecter les gains économiques et environnementaux - l'économie circulaire				
CE-SC5-01-2018: Methods to remove hazardous substances and contaminants from secondary raw materials	RIA	34 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
CE-SC5-02-2018: Independent testing programme on premature obsolescence	RIA	5 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
CE-SC5-03-2018: Demonstrating systemic urban development for circular and regenerative cities	IA	39 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
CE-SC5-04-2019: Building a water-smart economy and society	IA	72 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
CE-SC5-05-2018: Coordinated approaches to funding and promotion of research and innovation for the circular economy	CSA	2 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
CE-SC5-22-2020: Improving the recovery and recycling of materials from composite and multi-layer products	A définir			
CE-SC5-23-2020: Understanding the transition to circular economy and its implications				

Matières premières				
CE-SC5-06-2018: New technologies for the enhanced recovery of by-products	RIA	15 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
CE-SC5-07-2018-2019-2020: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes	IA	20 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
	IA	30 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
CE-SC5-08-2018-2019-2020: Raw materials policy support actions for the circular economy	CSA	3 M€	14/11/2018	19/02/2019
SC5-09-2018-2019: New solutions for the sustainable production of raw materials	RIA	20 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
	RIA	30 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
SC5-10-2019-2020: Raw materials innovation actions: exploration and Earth observation in support of sustainable mining	IA	20 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
CE-SC5-07-2020: Raw materials innovation for the circular economy	A définir			
CE-SC5-08-2020: Raw materials policy support actions for the circular economy: expert network on Critical Raw Materials				
Eau pour l'environnement, l'économie et la société				
SC5-11-2018: Digital solutions for water: linking the physical and digital world for water solutions	IA	14 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
SC5-12-2018: EU-India water co-operation	RIA	15 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
Villes innovantes pour la durabilité et la résilience				
SC5-13-2018-2019: Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems	RIA	10 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
	RIA	10 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
SC5-14-2019: Visionary and integrated solutions to improve well-being and health in cities	IA	43 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)

SC5-25-2020: Strengthening EU-China cooperation on sustainable urbanisation: enhanced natural treatment solutions for water security and ecological quality of water in cities	A définir			
SC5-21-2020: ERA-NET Cofund action(s) for climate action, environment, resource efficiency and raw materials	A définir			
Protéger et accroître la valeur de nos atouts naturels et culturels : observation de la Terre				
SC5-15-2018: Strengthening the benefits for Europe of the Global Earth Observation System of Systems (GEOSS) - establishing 'EuroGEOSS	IA	15 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
SC5-16-2019: Development of commercial activities and services through the use of GEOSS and Copernicus data	IA	15 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
	CSA	1 M€	14/11/2018	19/02/2019
Protéger et accroître la valeur de nos atouts naturels et culturels : solutions fondées sur la nature, réduction des risques de catastrophes et évaluation du capital naturel				
SC5-17-2018: Towards operational forecasting of earthquakes and early warning capacity for more resilient societies	RIA	18 M€	Ouvert	27/02/18 (1ère étape) 04/09/18 (2ème étape)
Protéger et accroître la valeur de nos atouts naturels et culturels : Patrimoine vivant				
SC5-20-2019: Transforming historic urban areas and/or cultural landscapes into hubs of entrepreneurship and social and cultural integration	IA	25 M€	14/11/2018	19/02/19 (1ère étape) 04/09/19 (2ème étape)
SC5-21-2019-2020: ERA-NET Cofund action(s) for climate action, environment, resource efficiency and raw materials	ERA-NET Cofund	10 M€	14/11/2018	19/02/2019

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DÉFIS SOCIÉTAUX

L'Europe dans un monde qui change - Sociétés inclusives, innovantes et réflexives

Titre	Type	Budget	Date d'ouverture	Date limite
Migration				
MIGRATION-01-2019: Understanding migration mobility patterns: elaborating mid and long-term migration scenarios	RIA	9 M€	6-nov-18	14-mars-19
MIGRATION-03-2019: Social and economic effects of migration in Europe and integration policies	RIA	9 M€	6-nov-18	14-mars-19
DT-MIGRATION-06-2018-2019: Addressing the challenge of migrant integration through ICT-enabled solutions	IA	8 M€	6-nov-18	14-mars-19
MIGRATION-07-2019: International protection of refugees in a comparative perspective	RIA	9 M€	6-nov-18	14-mars-19
MIGRATION-04-2020: Inclusive and innovative practices for the integration of migrants in urban areas	A définir (budget : 40 M€)			
MIGRATION-06-2018-2020-continued: Mapping and overcoming integration challenges for migrant children				
MIGRATION-09-2020: Narratives on migration and its impact: past and present				
MIGRATION-10-2020: Innovative solutions and evidence-based recommendations on migration				
Transformations socioéconomiques et culturelles dans le contexte de la quatrième révolution industrielle				
DT-TRANSFORMATIONS-02-2018-2019-2020: Transformative impact of disruptive technologies in public services	RIA	7 M€	6-nov-18	14-mars-19
TRANSFORMATIONS-03-2018-2019: Innovative solutions for inclusive and sustainable urban environments	RIA	6 M€	6-nov-18	14-mars-19
TRANSFORMATIONS-04-2019-2020: Innovative approaches to urban and regional development through cultural tourism	RIA	9 M€	6-nov-18	14-mars-19
DT-TRANSFORMATIONS-07-2019: The impact of technological transformations on children and youth	CSA	1,5 M€	6-nov-18	14-mars-19
	RIA	9 M€	6-nov-18	14-mars-19
TRANSFORMATIONS-08-2019: The societal value of culture and the impact of cultural policies in Europe	RIA	9 M€	6-nov-18	14-mars-19
DT-TRANSFORMATIONS-11-2019: Collaborative approaches to cultural heritage for social cohesion	RIA	12 M€	6-nov-18	14-mars-19

TRANSFORMATIONS-13-2019: Using big data approaches in research and innovation policy making	RIA	1,9 M€	6-nov-18	14-mars-19
TRANSFORMATIONS-04-2019-2020-continued - Innovative approaches to urban and regional development through cultural tourism	A définir (budget : 30 M€)			
TRANSFORMATIONS-10-2020 - Evolving European cultural symbols and identities				
TRANSFORMATIONS-15-2020 - ERA-Net CO-FUND	A définir (budget : 10 M€)			
Gouvernance pour le futur				
GOVERNANCE-01-2019: Trust in governance	RIA	9 M€	6-nov-18	14-mars-19
GOVERNANCE-02-2018-2019: Past, present and future of differentiation in European governance	CSA	1,5 M€	6-nov-18	14-mars-19
GOVERNANCE-03-2018: Addressing populism and boosting civic and democratic engagement	RIA	9 M€	6-nov-18	14-mars-19
GOVERNANCE-04-2019: Enhancing social rights and EU citizenship	RIA	9 M€	6-nov-18	14-mars-19
DT-GOVERNANCE-05-2018-2019-2020: New forms of delivering public goods and inclusive public services	RIA	8 M€	6-nov-18	14-mars-19
SU-GOVERNANCE-10-2019: Drivers and contexts of violent extremism in the broader MENA region and the Balkans	RIA	9 M€	6-nov-18	14-mars-19
DT-GOVERNANCE-12-2019-2020: Pilot on using the European cloud infrastructure for public administrations	IA	8 M€	6-nov-18	14-mars-19
DT-GOVERNANCE-13-2019: Digitisation, Digital Single Market and European culture: new challenges for creativity, intellectual property rights and copyright	RIA	9 M€	6-nov-18	14-mars-19
SU-GOVERNANCE-07-2020: The Common Foreign and Security Policy and the expanding scope of the EU's external engagement	Indicatif	A définir (budget : 45 M€)		
SU-GOVERNANCE-09-2020: Addressing radicalisation through social inclusion	Indicatif			
GOVERNANCE-15-2020 - International Dimension of Open Innovation	Indicatif	A définir (budget : 10 M€)		
Autres actions				
The European Capital of Innovation Award (iCapital)	Prix	1,5 M€	Q1 2019	mi-2019
		1,5 M€	Q1 2020	mi-2020
Horizon Prize for Social Innovation in Europe	Prix	2 M€	Q1 2017	Q1 2019

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DÉFIS SOCIÉTAUX

Sociétés sûres

Titre	Type	Budget	Date d'ouverture	Date limite
Protéger les infrastructures en Europe et les personnes dans les smart cities européennes				
SU-INFRA01-2018-2019-2020: Prevention, detection, response and mitigation of combined physical and cyber threats to critical infrastructure in Europe	IA	22 M€	A définir	
		18 M€		
SU-INFRA02-2019: Security for Smart Cities and "soft" targets in Smart Cities	IA	16 M€	15-mars-18	22-août-19
Désastre - Des sociétés résilientes				
SU-DRS01-2018-2019-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies	RIA	5 M€	15-mars-18	23-août-18
		5 M€	15-mars-19	22-août-19
SU-DRS02-2018-2019-2020: Technologies for first responders	RIA	21 M€	15-mars-18	23-août-18
		21 M€	15-mars-19	22-août-19
SU-DRS03-2018-2019-2020: Pre-normative research and demonstration for disaster-resilient societies	IA	6 M€	15-mars-18	23-août-18
		6 M€	15-mars-19	22-août-19
SU-DRS04-2019-2020: Chemical, biological, radiological and nuclear (CBRN) cluster	RIA	10,5 M€	15-mars-19	22-août-19
SU-DRS05-2019: Methodical demonstration of novel concepts for the management of pandemic crises	IA	10 M€	15-mars-19	22-août-19
Lutte contre le terrorisme et le crime				
SU-FCT01-2018-2019-2020: Human factors, and social, societal, and organisational aspects to solve issues in fighting against crime and terrorism	RIA	10 M€	15-mars-18	23-août-18
		5 M€	15-mars-19	22-août-19
SU-FCT02-2018-2019-2020: Technologies to enhance the fight against crime and terrorism	RIA	21 M€	15-mars-18	23-août-18
		21 M€	15-mars-19	
SU-FCT03-2018-2019-2020: Information and data stream management to fight against (cyber)crime and terrorism	IA	8 M€	15-mars-18	23-août-18
		8 M€	15-mars-19	22-août-19
SU-FCT04-2020: Explosives: detection, intelligence, forensics	A définir			

Sécurité extérieure et aux frontières				
SU-BES01-2018-2019-2020: Human factors, and social, societal, and organisational aspects of border and external security	RIA	10 M€	15-mars-18	23-août-18
		5 M€	15-mars-19	22-août-19
SU-BES02-2018-2019-2020: Technologies to enhance border and external security	RIA	21 M€	15-mars-18	23-août-18
		21 M€	15-mars-19	22-août-19
SU-BES03-EBCGA-2018-2019-2020: Demonstration of applied solutions to enhance border and external security	IA	10 M€	15-mars-18	23-août-18
		10 M€	15-mars-19	22-août-19
Problématiques générales				
SU-GM01-2018-2019-2020: Pan-European networks of practitioners and other actors in the field of security	CSA	5 M€	15-mars-18	23-août-18
		10,5 M€	15-mars-19	22-août-19
SU-GM02-2018-2020: Strategic pre-commercial procurements of innovative, advanced systems to support security	CSA	6 M€	15-mars-18	23-août-18
	COFUND	A définir		
SU-GM03-2018-2019-2020: Pre-commercial procurements of innovative solutions to enhance security	COFUND	7 M€	15-mars-18	23-août-18
		7 M€	15-mars-19	22-août-19
Sécurité numérique				
SU-DS01-2018: Cybersecurity preparedness - cyber range, simulation and economics	IA	16 M€	15-mars-18	23-août-18
SU-DS03-2019-2020: Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises	IA	18 M€	15-mars-19	22-août-19
		10,8 M€	15-mars-20	27-août-20
SU-DS04-2018-2020: Cybersecurity in the Electrical Power and Energy System (EPES): an armour against cyber and privacy attacks	IA	20 M€	15-mars-18	23-août-18
		20 M€	15-mars-20	27-août-20
SU-DS05-2018-2019: Digital security, privacy and accountability in critical sectors	IA	8,5 M€	15-mars-18	23-août-18
		10 M€	15-mars-19	22-août-19
	RIA	10 M€	15-mars-19	22-août-19
SU-DS02-2020: Management of cyber-attacks and other risks	IA	38 M€	15-mars-20	27-août-20