

Serviciul pentru administrarea proiectelor de cercetare științifică

Apeluri viitoare Orizont 2020

Nr. crt.	Program	Call	Topic	Planned opening date /Deadline	Topic description
1.	Secure, clean and efficient energy	BUILDING A LOW-CARBON, CLIMATE RESILIENT FUTURE: SECURE, CLEAN AND EFFICIENT ENERGY	LC-SC3-B4E-11-2020: Financing for energy efficiency investments - Smart Finance for Smart Buildings	Planned opening date: 05 March 2020 Deadline 10 September 2020	Scope: a) Mainstreaming energy efficiency finance Expected impact: <ul style="list-style-type: none"> • Number of financial institutions and other stakeholders reached as well as their potential volume of investment concerned; • Higher allocation of institutional investments to energy efficiency; standardisation of assets enabling securitisation; development of a secondary market for energy efficiency assets (in million Euro of investment within 5 years after the end of the project); • Investments in sustainable energy triggered by the project (million Euro). • Primary energy savings triggered by the project (in GWh/year); b) Innovative financing schemes for energy efficiency investments Expected impact: <ul style="list-style-type: none"> • Delivery of innovative financing schemes that are operational and ready to finance energy efficiency investments; • Regional/national aggregators with demonstrated/traceable capacity to set up a largescale pipeline of (standardized) sustainable energy investments (in terms of number of and/or amount of investment); • Investments in sustainable energy triggered by the project (million Euro); • Primary energy savings triggered by the project (in GWh/year).
2.			LC-SC3-B4E-12-2020: National roundtables to implement the Smart Finance for Smart Buildings initiative	Planned opening date: 05 March 2020 Deadline 10 September 2020	Scope: Proposals should set up national roundtables focused on energy efficiency investment, as permanent multilateral discussion forums gathering the relevant stakeholders, including but not limited to government, local and regional authorities, financial sector, ESCOs, homeowners, industry sector, construction sector and SME sector.
3.			LC-SC3-B4E-14-2020: Enabling next-generation of smart energy services valorising energy efficiency and flexibility at demand-side	Planned opening date: 05 March 2020 Deadline 10 September 2020	Actions should further develop, adapt and refine concepts for smart energy services that: <ul style="list-style-type: none"> • integrate energy efficiency services with other energy services like distributed generation, demand response, e-mobility and including storage/hybrid energy systems building on contractual arrangements across different actors (ESCOs, aggregators, DSOs, energy cooperatives, obliged parties under the Energy Efficiency Obligation Schemes implementing art 7 EED and eventually the consumers) and/or • integrate energy efficiency services with non-energy related services such as comfort, health and safety and/or

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					<ul style="list-style-type: none"> • enhance and refine successful energy performance contracting models that engage new sectors and actors and/or include pay-for-performance schemes and/or • factor in include customer individualized energy services as a result of better understanding of customer behaviour and needs derived of new data analytics tools
4.			LC-SC3-B4E-2-2020: Stimulating demand for sustainable energy skills in the building sector	Planned opening date: 05 March 2020 Deadline 10 September 2020	The focus of submitted proposals should be on the direct stimulation of demand for energy skills in construction. Expected Impact: Proposals are expected to demonstrate, depending on the scope addressed, the impacts listed below using quantified indicators and targets wherever possible: <ul style="list-style-type: none"> • Primary Energy savings triggered by the project (in GWh/year); • Renewable energy production triggered by the project (in GWh/year); • Investments in sustainable energy triggered by the project (in million Euro); • Increased number of certification schemes for energy efficiency skills; • Improved mutual recognition of sustainable energy skills between Member States and neighbouring countries; • Improved collaboration and understanding across different trades and professional groups; • Increased market acceptance of sustainable energy skills; • Legislative changes stimulating the demand for energy skilled building professionals; • Demonstrated reduction in the gap between designed and actual energy performance through improved quality of construction.
5.	Secure, clean and efficient energy		LC-SC3-EC-1-2018-2019-2020: The role of consumers in changing the market through informed decision and collective actions	Planned opening date: 05 March 2020 Deadline 10 September 2020	The proposed action should cover the following points: <ul style="list-style-type: none"> • Identify and address regulatory barriers and contractual conditions with utilities, suppliers, grid operators, technology providers etc. for cooperative actions, possibly linking activities with structural solutions involving public authorities; • Demonstrate that collectively organised energy-related actions are financially viable and attractive to the consumer-members of the energy community
6.			LC-SC3-CC-1-2018-2019-2020: Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition	Planned opening date: 05 May 2020 Deadline: 01 September 2020	Specifically, proposals are expected to focus on one or several of the following questions: <ul style="list-style-type: none"> • Is energy citizenship more likely to emerge locally, or at regional, national or supranational levels? For what reasons? • What is the relative importance of processes internal to relevant social groups (e.g., creating trust and connection, finding shared goals and solutions, building coalitions), as opposed to external environmental variables (e.g., relative openness of institutional or corporate environments, availability of sympathetic interlocutors, access to financial or other sources of support, legal or other obstacles)?

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					<ul style="list-style-type: none"> • What impact does the digitisation of the energy system and the proliferation of social media have on the emergence and consolidation of energy citizenship? • Under what conditions is energy citizenship conducive to reaching broader policy goals, particularly the decarbonisation of the energy system, and under what conditions does it have the opposite effect?
7.	Secure societies - Protecting freedom and security of Europe and its citizens	Artificial Intelligence and security: providing a balanced assessment of opportunities and challenges for Law Enforcement in Europe	SU-AI01-2020: Developing a research roadmap regarding Artificial Intelligence in support of Law Enforcement	Planned opening date: 12 March 2020 Deadline: 27 August 2020	Proposals under this topic should provide an EU Artificial Intelligence roadmap for Law Enforcement Agencies (LEAs), meeting their specific operational and cooperation needs, by identifying, in a longer-term perspective: the key areas in which AI would be beneficial for LEAs, the key areas in which it could pose a threat to security, cybersecurity requirements for AI based technologies in use or to be used by LEAs as well as means of prevention and mitigation of malicious use of AI for criminal activities.
8.			SU-AI03-2020: Human factors, and ethical, societal, legal and organisational aspects of using Artificial Intelligence in support of Law Enforcement	Planned opening date: 12 March 2020 Deadline: 27 August 2020	Proposals under this topic should provide an exhaustive analysis of human, social and organisational aspects related to the use of AI tools, including gender related aspects, in support of Law Enforcement, both for cybersecurity and in the fight against crime, including cybercrime, and terrorism.
9.		Security	SU-DRS01-2018-2019-2020: Human factors, and social, societal, and organisational aspects for disaster-resilient societies	Planned opening date: 12 March 2020 Deadline: 27 August 2020	Proposals are invited to address related research and innovation issues, in particular: Recent disasters related either to natural causes (including climate-related hazards) or to terrorist attacks have shown gaps in the level of preparedness of European society for disasters, and therefore highlighted the importance of increasing risk awareness, and hence resilience among people and decision-makers in Europe. Proposals should be submitted by consortia involving relevant security practitioners and civil society organisations.