

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

SESAR - Smart, green and integrated transport

Titre	Type	Budget	Date d'ouverture	Date limite
SESAR-ER4-01-2019 : Digitalisation and Automation principles for ATM	RIA	38,564361 M€	30-avr-19	10-sept-19
SESAR-ER4-02-2019 : Cognitive Support	RIA		30-avr-19	10-sept-19
SESAR-ER4-03-2019 : Complexity and Data Science for ATM Performance	RIA		30-avr-19	10-sept-19
SESAR-ER4-04-2019 : Digital Information Management	RIA		30-avr-19	10-sept-19
SESAR-ER4-05-2019 : Environment and Meteorology for ATM	RIA		30-avr-19	10-sept-19
SESAR-ER4-06-2019 : Safety and Resilience	RIA		30-avr-19	10-sept-19
SESAR-ER4-07-2019 : Accelerating Change in ATM	RIA		30-avr-19	10-sept-19
SESAR-ER4-08-2019 : Behavioural Economics in ATM	RIA		30-avr-19	10-sept-19
SESAR-ER4-09-2019 : Legal and Regulatory Challenges of Higher Levels of Automation	RIA		30-avr-19	10-sept-19
SESAR-ER4-10-2019 : ATM Role in Intermodal Transport	RIA		30-avr-19	10-sept-19
SESAR-ER4-11-2019 : CNS for ATM	RIA		30-avr-19	10-sept-19
SESAR-ER4-12-2019 : Automation of Airport Operations	RIA		30-avr-19	10-sept-19
SESAR-ER4-13-2019 : Innovation in Airport Operation	RIA		30-avr-19	10-sept-19
SESAR-ER4-14-2019 : Meteorology at Airports	RIA		30-avr-19	10-sept-19
SESAR-ER4-15-2019 : Increased Levels of Automation for the ATM Network	RIA		30-avr-19	10-sept-19
SESAR-ER4-16-2019 : Innovation in Network Management	RIA		30-avr-19	10-sept-19
SESAR-ER4-17-2019 : Network Capacity Increase from Fully Dynamic Airspace	RIA		30-avr-19	10-sept-19
SESAR-ER4-18-2019 : Automation and CWP	RIA		30-avr-19	10-sept-19

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Fuel Cells and Hydrogen

Titre	Type	Budget	Date d'ouverture	Date limite
	Pilier Transport			
	Pilier Energie			
	Activités globales			
	Activités transversales			

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ECSEL				
Titre	Type	Budget	Date d'ouverture	Date limite



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Shift2Rail

Titre	Type	Budget	Date d'ouverture	Date limite
S2R JU members eligible only				
Open call for proposals for non-JU members				

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IMI				
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	Appels 2019			

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BBI - Bio-based industries

Titre	Type	Budget	Date d'ouverture	Date limite
BBI-2019-SO3-R9 - BBI-RIA Bio-based Industries Research and Innovation action	RIA	135 M€	04-avr-19	04-sept-19
BBI-2019-SO1-D1 - BBI-IA-DEMO Bio-based Industries Innovation action - Demonstration	IA			
BBI-2019-SO1-D2 - BBI-IA-DEMO Bio-based Industries Innovation action - Demonstration	RIA			
BBI-2019-SO1-F1 - BBI-IA-FLAG Bio-based Industries Innovation action - Flagship	IA			
BBI-2019-SO1-R1 - BBI-RIA Bio-based Industries Research and Innovation action	IA			
BBI-2019-SO2-F2 - BBI-IA-FLAG Bio-based Industries Innovation action - Flagship	RIA			
BBI-2019-SO2-R2 - BBI-RIA Bio-based Industries Research and Innovation action	RIA			
BBI-2019-SO2-R3 - BBI-RIA Bio-based Industries Research and Innovation action	RIA			
BBI-2019-SO2-R4 - BBI-RIA Bio-based Industries Research and Innovation action	RIA			
BBI-2019-SO2-R5 - BBI-RIA Bio-based Industries Research and Innovation action	IA			
BBI-2019-SO2-R6 - BBI-RIA Bio-based Industries Research and Innovation action	RIA			
BBI-2019-SO2-R7 - BBI-RIA Bio-based Industries Research and Innovation action	RIA			
BBI-2019-SO3-D3 - BBI-IA-DEMO Bio-based Industries Innovation action - Demonstration	RIA			
BBI-2019-SO3-D4 - BBI-IA-DEMO Bio-based Industries Innovation action - Demonstration	CSA			
BBI-2019-SO3-F3 - BBI-IA-FLAG Bio-based Industries Innovation action - Flagship	CSA			
BBI-2019-SO3-R10 - BBI-RIA Bio-based Industries Research and Innovation action	CSA			
BBI-2019-SO3-R8 - BBI-RIA Bio-based Industries Research and Innovation action	IA			
BBI-2019-SO4-S1 - BBI-CSA Bio-based Industries Coordination and Support action	IA			
BBI-2019-SO4-S2 - BBI-CSA Bio-based Industries Coordination and Support action	CSA			
BBI-2019-SO4-S3 - BBI-CSA Bio-based Industries Coordination and Support action	IA			
BBI-2019-SO4-S4 - BBI-CSA Bio-based Industries Coordination and Support action	RIA			

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CS2 - Clean Sky

Titre	Type	Budget	Date d'ouverture	Date limite
JTI-CS2-2019-CFP10-AIR-01-41 - Low speed handling quality and innovative engine integration of a new configuration aircraft	IA			
JTI-CS2-2019-CFP10-AIR-01-42 - Development of a methodology (test, measurement, analysis) to characterize the behaviour of composite structures under dynamic loading	RIA			
JTI-CS2-2019-CFP10-AIR-01-43 - Verification of advanced simplified HLFC concept with variable porosity	RIA			
JTI-CS2-2019-CFP10-AIR-01-44 - Development of a methodology to optimize a wing composite panel with respect to tyre damage certification requirement	RIA			
JTI-CS2-2019-CFP10-AIR-01-45 - Coupon and element testing and manufacturing of test article for morphing technologies	IA			
JTI-CS2-2019-CFP10-AIR-02-77 - Increasing the efficiency of pulsed jet actuators for flow separation control	RIA			
JTI-CS2-2019-CFP10-AIR-02-78 - Application of graphene based materials in aeronautical structures for de-icing, lightning strike protection, fire barrier and water absorption prevention purposes	IA			
JTI-CS2-2019-CFP10-AIR-02-79 - Development of FEM fastener parametric/adaptable sizing tool including EMC impact, and manufacturing and EMC/ISP testing of demonstrators	IA			
JTI-CS2-2019-CFP10-AIR-02-80 - Innovative flight data measurements to support the aerodynamic analysis of a compound helicopter demonstrator	IA			
JTI-CS2-2019-CFP10-AIR-02-81 - Active Flow control on Tilt Rotor lifting surfaces	RIA			
JTI-CS2-2019-CFP10-AIR-02-82 - Innovative approaches for interior Noise Control for Next Generation Civil Tilt Rotor	RIA			
JTI-CS2-2019-CFP10-AIR-02-83 - Innovative weight measurement system for Tilt Rotor application	IA			

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JTI-CS2-2019-CFP10-AIR-02-84 - Modular platform development for Tilt Rotor final assembly	IA			
JTI-CS2-2019-CFP10-AIR-02-85 - Development of a multifunctional system for complex aerostructures assembly, assisted by neural network softwares	IA			
JTI-CS2-2019-CFP10-AIR-02-86 - Development of equipment for composite recycling process of uncured material	IA			
JTI-CS2-2019-CFP10-AIR-03-07 - End of Life (EoL) for biomaterials	RIA			
JTI-CS2-2019-CFP10-AIR-03-08 - Disassembly and recycling of innovative structures made of different Al-Li alloys	RIA			
JTI-CS2-2019-CFP10-AIR-03-09 - Scrapping of carbon reinforced thermoplastic materials	RIA			
JTI-CS2-2019-CfP10-ENG-01-43 - Low NOx / Low soot injection system design for spinning combustion technology	RIA			
JTI-CS2-2019-CfP10-ENG-04-08 - Revalorisation of Recycled Carbon Fibers and CFRP preparation through Eco design [ECO]	IA			
JTI-CS2-2019-CFP10-FRC-01-28 - Innovative kinematic analysis to incorporate multiple functions within a movable surface	RIA			
JTI-CS2-2019-CFP10-FRC-01-29 - Smart Active Inceptors System development for Tilt Rotor application	IA			
JTI-CS2-2019-CFP10-FRC-01-30 - Multipurpose bench for Tiltrotor equipment functional test	IA			
JTI-CS2-2019-CfP10-LPA-01-72 - Development of a distributed CFD platform for collaborative design	IA			
JTI-CS2-2019-CfP10-LPA-01-73 - Innovative Thrust Reverser Actuator System (ITRAS)	IA			
JTI-CS2-2019-CfP10-LPA-01-74 - UHBR Engine Studies for Aircraft Operations and Economics	IA			

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JTI-CS2-2019-CfP10-LPA-01-75 - Advanced solutions for 2030+ UHBR Core Noise reduction	IA			
JTI-CS2-2019-CfP10-LPA-01-76 - Supporting implementation of 2030+ UHBR low noise fan technology solutions through enhanced modeling capabilities	IA			
JTI-CS2-2019-CfP10-LPA-01-77 - Advanced Pitch Control Mechanism TRL4 Demonstratio	IA			
JTI-CS2-2019-CfP10-LPA-01-78 - Innovative turbine cavity swirl control systems through Additive Manufacturing	RIA			
JTI-CS2-2019-CfP10-LPA-01-79 - Development of multidisciplinary design tools for rapid concept design for aero engine components	IA			
JTI-CS2-2019-CfP10-LPA-01-80 - Rear fuselage and empennage shape optimization including anti-icing technologies	RIA			
JTI-CS2-2019-CfP10-LPA-01-81 - Fiber reinforced thermoplastics manufacturing for stiffened, complex, double curved structures	IA	59,45 M €	21-mai-19	03-sept-19
JTI-CS2-2019-CfP10-LPA-01-82 - Development of Thermoplastic press forming Tool for Advanced Rear End Closing Frame Prototype and Tooling 4.0 for Assembly and transportation of the Advanced Rear End Prototype	IA			
JTI-CS2-2019-CfP10-LPA-01-83 - Development and simulation of a forming process for LE HLFC wing outer skins	IA			
JTI-CS2-2019-CfP10-LPA-01-84 - Development of a manufacturing process and a manufacturing unit for production of a laser treated titanium panel with a 3D printed substructure	IA			

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JTI-CS2-2019-CfP10-LPA-01-85 - Design and manufacturing of multi-functional Ice Protection System power feed/monitoring lines and Shielding/High-lift electrical actuation system for a HLFC Wing demonstrator	IA			
JTI-CS2-2019-CfP10-LPA-01-86 - Develop and test Power Efficient Actuation Concepts for Separation Flow Control at large aerodynamic areas requiring very low actuation energy	IA			
JTI-CS2-2019-CfP10-LPA-01-87 - Loop Heat Pipe development for severe environment	IA			
JTI-CS2-2019-CfP10-LPA-02-30 - Development of innovative welding systems for structural joints of Thermoplastic matrix based Composites	IA			
JTI-CS2-2019-CfP10-LPA-02-31 - Development of short fibre reinforced thermoplastic airframe clips and brackets using factory waste	IA			
JTI-CS2-2019-CfP10-LPA-02-32 - Innovative miniaturized sensing device for large wave length spectrum reception capability as a tool for quality control and aircraft maintenance	RIA			
JTI-CS2-2019-CFP10-REG-01-18 - Theoretical and experimental evaluations of strain field modification induced by flaws in loaded composite structures	RIA			
JTI-CS2-2019-CFP10-REG-01-19 - Innovative Noise Generation System for testing of Regional Cabin Interior Noise reduction	IA			
JTI-CS2-2019-CFP10-REG-02-06 - SHMS and Dynamic fields sensors development	RIA			
JTI-CS2-2019-CfP10-SYS-01-15 - Enhanced digital georeferenced data models for cockpit use	IA			
JTI-CS2-2019-CfP10-SYS-01-16 - Innovative processing for flight practices improvement	IA			

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JTI-CS2-2019-CfP10-SYS-01-17 - New Efficient production methods for 94 GHz (W-band) waveguide antennas	IA			
JTI-CS2-2019-CfP10-SYS-01-18 - Low-profile/drag electronically steerable antennas for In-Flight Connectivity	IA			
JTI-CS2-2019-CfP10-SYS-01-19 - VOC filtration device for Inerting System	IA			
JTI-CS2-2019-CfP10-SYS-01-20 - Innovative high flow rate constant pressure valve for inert gas discharge from pressurized vessels	IA			
JTI-CS2-2019-CfP10-SYS-01-21 - Grey Water Container with Reduced Biofilm Growth	IA			
JTI-CS2-2019-CfP10-SYS-02-58 - Automatic Haptic System Test Bench for Active Inceptors	IA			
JTI-CS2-2019-CfP10-SYS-02-59 - Innovative DC/DC converter for HVDC power sources hybridization	IA			
JTI-CS2-2019-CfP10-SYS-02-60 - Toward a Digital Twin ECS and thermal management architecture models : Improvement of MODELICA libraries and usage of Deep Learning technics	IA			
JTI-CS2-2019-CfP10-SYS-02-61 - Vapor Cycle System - Heat Exchanger performance 3D modeling with different new low GWP refrigerants	RIA			
JTI-CS2-2019-CfP10-SYS-03-23 - Electro-Mechanical Landing Gear system integration for Small Aircraft [SAT]	IA			
JTI-CS2-2019-CfP10-SYS-03-24 - Power Semiconductor Device module using Silicon Carbide devices for a relatively high-frequency, circa 100kW aircraft motor drive applications	IA			
JTI-CS2-2019-CFP10-THT-07 - Ultra-High Aspect ratio wings	RIA			
JTI-CS2-2019-CFP10-THT-08 - Experimental and numerical noise assessment of distributed propulsion configurations	RIA			

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JTI-CS2-2019-CFP10-THT-09 - Disruptive Active Flow Control for aircraft engine applications	RIA			
JTI-CS2-2019-CFP10-THT-10 - Non-intrusive, seedless measurement system: design, development, and testing	RIA			