

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

**Shift2Rail**

| Titre                                                                                                                                                                  | Type   | Budget    | Date d'ouverture | Date limite |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|------------------|-------------|
| <b>S2R JU members eligible only</b>                                                                                                                                    |        |           |                  |             |
| <a href="#">S2R-CFM-CCA-01-2018 : Virtual certification &amp; smart planning</a>                                                                                       | RIA-LS | 0,842 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-CFM-IP1-01-2018 : Development of technology demonstrators for the next generation of traction systems and adhesion management systems</a>              | RIA-LS | 12,681 M€ | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-CFM-IP1-02-2018 : Implementing new technologies for the TCMS</a>                                                                                       | RIA-LS | 4,7 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-CFM-IP2-01-2018 : Advanced Signalling, Automation and Communication System (IP2 and IP5)</a>                                                           | IA-LS  | 17,287 M€ | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-CFM-IP3-01-2018 : Research into optimized and future railway infrastructure</a>                                                                        | IA-LS  | 13,4 M€   | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-CFM-IP4-01-2018 : Passenger service platform specifications for an enhanced multi-modal transport ecosystem including Mobility as a Service (MaaS)</a> | IA-LS  | 5,2 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-CFM-IP5-01-2018 : Technology demonstrators for competitive, intelligent rail freight operation</a>                                                     | IA-LS  | 5,5 M€    | 16-janv-18       | 24-avr-18   |
| <b>Open call for proposals for non-JU members</b>                                                                                                                      |        |           |                  |             |
| <a href="#">S2R-OC-IPX-01-2018 : Paradigm shifts for railway</a>                                                                                                       | RIA    | 2,2 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IPX-02-2018 : Transversal exploratory research activities and knowledge transfer</a>                                                                | CSA    | 0,5 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IPX-03-2018 : Innovative/breakthrough mobility concepts (with rail as backbone)</a>                                                                 | CSA    | 0,5 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP1-01-2018 : Technical solutions for the next generation of TCMS</a>                                                                               | RIA    | 4 M€      | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP2-01-2018 : Analysis for Moving Block and implementation of Virtual Coupling concept</a>                                                          | RIA    | 1,300 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP2-02-2018 : Modern methodologies and verifications for GNSS in Railways and virtual test environment</a>                                          | RIA    | 1,020 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP2-03-2018 : Communication environment assessment and validation</a>                                                                               | RIA    | 0,750 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP3-01-2018 : Measuring and monitoring devices for railway assets</a>                                                                               | IA     | 4,750 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP4-01-2018 : Semantic framework for multimodal transport services</a>                                                                              | RIA    | 2 M€      | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP4-02-2018 : Supporting the implementation of the IP4 multi-modal transport ecosystem</a>                                                          | RIA    | 1,5 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">S2R-OC-IP5-01-2018 : Radio communication and simulation of train dynamics for Distributed Power within long trains</a>                                     | RIA    | 0,6 M€    | 16-janv-18       | 24-avr-18   |

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**Fuel Cells and Hydrogen**

| Titre                                                                                                                                     | Type | Budget  | Date d'ouverture | Date limite |
|-------------------------------------------------------------------------------------------------------------------------------------------|------|---------|------------------|-------------|
| <b>Pilier Transport</b>                                                                                                                   |      |         |                  |             |
| <a href="#">FCH-01-1-2018 : Large Scale Demonstration of H2 fueled HD Trucks with High Capacity Hydrogen Refueling Stations (HRS)</a>     | IA   | 12 M€   | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-01-2-2018 : Demonstration of Fuel Cell applications for mid-size passenger ships or inland freight</a>                    | IA   | 5 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-01-3-2018 : Strengthening of the European supply chain for compressed storage systems for transport applications</a>      | RIA  | 2,7 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-01-4-2018 : Fuel cell systems for the propulsion of aerial passenger vehicle</a>                                          | RIA  | 4 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-01-5-2018 : Next generation automotive MEA development</a>                                                                | RIA  | 4 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-01-6-2018 : Game changer fuel cell stack for automotive applications</a>                                                  | RIA  | 3 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-01-7-2018 : Improvement of innovative compression concepts for large scale transport applications</a>                     | RIA  | 2,75 M€ | 16-janv-18       | 24-avr-18   |
| <b>Pilier Energie</b>                                                                                                                     |      |         |                  |             |
| <a href="#">FCH-02-1-2018: Demonstration of a large-scale (min. 20MW) electrolyser for converting renewable energy to hydrogen</a>        | IA   | 11 M€   | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-02-2-2018: Demonstration of large-scale steam electrolyser system in industrial market</a>                                | IA   | 4 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-02-3-2018: Robust, efficient long term remote power supply</a>                                                            | IA   | 3 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-02-4-2018: Thermochemical Hydrogen Production from Concentrated Sunlight</a>                                              | RIA  | 3 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-02-5-2018: Hydrogen carriers for stationary storage of excess renewable energy</a>                                        | RIA  | 2 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-02-6-2018: Cost-effective novel architectures of interconnects</a>                                                        | RIA  | 2 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-02-7-2018: Efficient and cost-optimised biogas-based co-generation by high-temperature fuel cells</a>                     | RIA  | 1,5 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-02-8-2018: Waste-stream based power balancing plants with high efficiency, high flexibility and power-to-X capability</a> | RIA  | 0,5 M€  | 16-janv-18       | 24-avr-18   |
| <b>Activités globales</b>                                                                                                                 |      |         |                  |             |
| <a href="#">FCH-03-1-2018: Developing Fuel Cell applications for port/harbour ecosystems</a>                                              | RIA  | 4 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-04-1-2018: PNR for safety of hydrogen driven vehicles and transport through tunnels and similar confined spaces</a>       | RIA  | 2,5 M€  | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-04-2-2018: Hydrogen admixtures in the natural gas grid</a>                                                                | RIA  | 2,75 M€ | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-04-3-2018: Accelerated Stress Testing (AST) protocols for Solid Oxide Cells (SOC)</a>                                     | RIA  | 3 M€    | 16-janv-18       | 24-avr-18   |
| <a href="#">FCH-04-4-2018: Strengthening public acceptance and awareness of FCH-technologies by educating pupils at schools</a>           | CSA  | 0,5 M€  | 16-janv-18       | 24-avr-18   |

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| ECSEL                                                                                |      |          |                  |                              |
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| Titre                                                                                | Type | Budget   | Date d'ouverture | Date limite                  |
| <a href="#">ECSEL-2018-2-RIA: H2020-ECSEL-2018-2-RIA</a>                             | RIA  | 53,33 M€ | 21-fev-18        | 26-avr-18<br>puis 20-sept-18 |
| <a href="#">ECSEL-2018-2-RIA-Special-Topic: H2020-ECSEL-2018-2-RIA-Special-Topic</a> | RIA  | 10 M€    | 21-fev-18        | 26-avr-18<br>puis 20-sept-19 |

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| <b>CLEAN SKY</b>                                                                                                                                                  |             |                      |                         |                    |
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| <b>Titre</b>                                                                                                                                                      | <b>Type</b> | <b>Budget global</b> | <b>Date d'ouverture</b> | <b>Date limite</b> |
| <a href="#">JTI-CS2-2018-CfP08-AIR-01-37: Composite mould tool based on 3D printing</a>                                                                           | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-01-38: Innovative test rig for the investigation of gust loads in transonic flow conditions</a>                                | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-01-39: In-Seat Ventilation &amp; Supply for Personalized Comfort Control on Board an Aircraft</a>                              | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-60: Full Scale Innovative Integrated Tooling for Composite Material Wing Box [SAT]</a>                                      | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-61: Development and Optimization of Bonding Assembly Technology for a Composite Material Wingbox</a>                        | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-62: Virtual-Hybrid-Real On Ground demonstration for HVDC &amp; EMA Integration</a>                                          | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-63: Enhanced Low Cost Complex Composite Structures</a>                                                                      | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-64: Cold Spray of metallic coatings on polymer and composite materials [SAT]</a>                                            | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-65: Design of special welding head for FSF process with automatic adjustable pin and welding force control system [SAT]</a> | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-66: Evaluation and modelling of comfort driving parameters in a Cabin Demonstrator</a>                                      | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-02-67: Model based development of an innovative ECS air distribution system for ground testing with a Cabin Demonstrator</a>   | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-03-01: Bio contamination survey</a>                                                                                            | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-03-02: Non destructive testing (NDT) of bonded assemblies</a>                                                                  | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-03-03: Sizing for recycled carbon fibres to optimise adhesion in organic/inorganic composite materials</a>                     | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-03-04: Development of an anaerobic digester prototype for aircraft use</a>                                                     | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-AIR-03-05: Development and evaluation of a manufacturing process for a lightweight aircraft wheel made of CFRP</a>                 | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-ENG-01-32: Optimized UHPE flow path cooling design and testing using advanced manufacturing techniques</a>                         | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-ENG-01-33: Prediction of High Frequency Vibrations in Aircraft Engines</a>                                                         | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-ENG-01-34: Airflow characterization through rotating labyrinth seal</a>                                                            | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-ENG-01-35: Oil flow 4 channels regulation valves</a>                                                                               | IA          | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-ENG-01-36: Optimizing impingement cooling</a>                                                                                      | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |
| <a href="#">JTI-CS2-2018-CfP08-ENG-01-37: Aerodynamic upgrade of Surface Air Cooled Oil Cooler (SACOC)</a>                                                        | RIA         | 70,6 M€              | 3-mai-18                | 12-juil.-18        |

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| <a href="#">JTI-CS2-2018-CfP08-ENG-01-38: Low NOx / Low soot injection system design for spinning combustion technology</a>                                                                                      | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-ENG-02-09: Development and verification of microstructure, residual stress and deformation simulation capability for additive free-form deposition using multiple superalloys</a> | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-ENG-03-23: Probabilistic simulation of defect probability in LWD – Wire fusion processes</a>                                                                                      | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-ENG-03-24: VHCF material model for case hardened gear steels for application in an epicyclic power gearbox</a>                                                                    | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-ENG-03-25: Development of design methodologies for thermal management and scavenge / sealing interactions in future ventless UltraFan bearing chambers</a>                        | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-FRC-01-18: Adoption of a “Digital Transformation” approach to improve NGCTR design and simulation</a>                                                                             | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-FRC-01-19: Certification by Simulation for Rotorcraft Flight Aspects (CSRFA)</a>                                                                                                  | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-FRC-01-20: Design, development and flight qualification of a supercritical composite shaft drive line for tiltrotor main drive system</a>                                         | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-FRC-01-21: Development of integrated engine air intake and protection systems for Tilt Rotor</a>                                                                                  | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-FRC-01-22: Engine exhaust wake flow regulator for Tilt Rotor</a>                                                                                                                  | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-FRC-01-23: Experimental characterization and optimization of the RH and LH Engine intakes configuration of the next generation Tilt Rotor</a>                                     | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-FRC-01-24: High efficiency full electrical low pressure Compartment Pressure Control System for tilt-rotor applications</a>                                                       | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-47: High Performance Electrical Components for Bleed Control</a>                                                                                                           | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-48: Advanced Pitch Control Mechanism TRL4 Demonstration</a>                                                                                                                | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-49: Oil Transfer Bearing for Advanced Pitch Change Mechanism</a>                                                                                                           | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-50: Development and manufacturing of innovative tooling for composite parts</a>                                                                                            | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-51: Design and manufacturing of a large-scale HLFC wing model for a transonic WTT</a>                                                                                      | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-52: Thermo-mechanical design validation of compact heat exchanger by thermal cycling life prediction</a>                                                                   | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-53: Compact Matrix Air Oil Heat Exchanger</a>                                                                                                                              | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-54: Development of Measurement Techniques for Visualisation and Evaluation of Reverse Flow Interactions with Fan</a>                                                       | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-55: Development of AC cabling technologies for &gt;1kV aerospace applications</a>                                                                                          | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-01-56: Aerospace standard Lightweight SSPC for High voltage &gt;1kA application.</a>                                                                                          | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |

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| <a href="#">JTI-CS2-2018-CfP08-LPA-01-57: Innovative Power and data transfer solutions for nacelle</a>                                                      | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-02-23: "Development and execution of new test procedures for thermoplastic aircraft fuselage panels "</a>                | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-02-24: Generic added structures on shells made from thermoplastic sheet material</a>                                     | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-02-25: Micro mechanical characteristics of a PEKK Co-consolidation / welded joint for use in thermoplastic fuselages</a> | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-02-26: Multifunctional Aircraft Power Network with Electrical Switching</a>                                              | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-LPA-03-15: Pilot monitoring in service data collection</a>                                                                   | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-REG-01-16: Innovative recirculation/air treatment system.</a>                                                                | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-REG-01-17: Full scale innovative pressure bulkheads for Regional Aircraft Fuselage barrel on-ground demonstrators</a>        | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-REG-02-05: High fidelity power effects aerodynamics at High Reynolds conditions in Regional turboprop configuration</a>      | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-REG-03-01: Laminar Flow robustness and Load control effectiveness evaluation for a Regional Turboprop wing</a>               | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-46: Modeling of friction effects caused by surface contact with high pressure and rapid movement</a>                  | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-47: New grip generation for active inceptor</a>                                                                       | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-48: Design and development of a long stroke Piezo Electric Actuator</a>                                               | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-49: Health Monitoring for Electro-Hydraulic Actuator fluid</a>                                                        | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-50: Innovative RTM tooling for CFRP primary structural parts</a>                                                      | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-51: Innovative quality inspection methods for CFRP primary structural parts</a>                                       | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-52: Innovative Composite Material Qualification Methodologies</a>                                                     | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-53: Development of an optimized DC-DC converter for a smart electrical system</a>                                     | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-54: Development of a HVDC current limiter</a>                                                                         | IA  | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-02-55: Air treatment system for airborne microbe removal from air circulation or chambers</a>                            | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-03-17: Improved Thermal Properties of Computing Platforms for Next-Generation Avionics [SAT]</a>                         | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CfP08-SYS-03-18: Development and testing of innovative Cr free anodic layers removal solution</a>                                  | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CFP08-THT-01: Innovative NOx Reduction Technologies</a>                                                                            | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |
| <a href="#">JTI-CS2-2018-CFP08-THT-02: Cognitive Computing potential for cockpit operations</a>                                                             | RIA | 70,6 M€ | 3-mai-18 | 12-juil.-18 |



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| <b>BBI - Bio Based Industries</b>                                                                                                                                                                                 |             |                      |                         |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|-------------------------|--------------------|
| <b>Titre</b>                                                                                                                                                                                                      | <b>Type</b> | <b>Budget global</b> | <b>Date d'ouverture</b> | <b>Date limite</b> |
| <a href="#">BBI.2018.S01.D1: Improve the logistical and pre-processing steps of locally sourced biomass to serve as feedstock for the bio-based industry</a>                                                      | IA          | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S01.D2: Find solutions to dilution, pollution and content diversity challenges to turn mixed urban bio-waste (1) into sustainable feedstock for the bio-based industry</a>                   | IA          | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S01.R1: Resolve logistical, infrastructural and technological challenges to valorise residual and side streams from aquaculture, fisheries and the aquatic biomass processing industries</a> | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.D3: Valorise sugars from the cellulosic and/or hemicellulosic fractions of lignocellulosic biomass</a>                                                                                   | IA          | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.R2: Develop techniques and systems to improve the performance of biocatalysts</a>                                                                                                        | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.R3: Introduce new technologies to make pulping operations more resource-efficient</a>                                                                                                    | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.R4: Apply advanced biotechnologies to convert biomass that contains inhibitors into high value-added chemicals and materials</a>                                                         | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.R5: Develop innovative single-step processes for conversion of a biomass feedstock into multiple readily usable intermediate streams</a>                                                 | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.R6: Apply emerging breakthrough technologies to improve existing value chains</a>                                                                                                        | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.R7: Electrochemical processes for bio-based monomers and polymers</a>                                                                                                                    | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S02.R8: Develop adequate computational systems for modelling the design, start-up, scaling-up and continuous improvement of bioprocesses involving microorganisms</a>                        | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S03.D4: Produce biopesticides or bio-based fertilisers as components of sustainable agricultural management plans (1)</a>                                                                    | IA          | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S03.D5: Produce sustainable and cost-efficient high-performance functional ingredients from alternative sources</a>                                                                          | IA          | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S03.F1: Produce on a large scale competitive bio-based building blocks, polymers and materials that outperform existing alternatives in identified market applications</a>                   | IA          | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S03.F2: Large-scale production of proteins for food and feed applications from alternative, sustainable sources</a>                                                                          | IA          | 115 M€               | 11-avr-18               | 06-sept.-18        |
| <a href="#">BBI.2018.S03.R10: Develop bio-based packaging products that are biodegradable/ compostable and/or recyclable</a>                                                                                      | RIA         | 115 M€               | 11-avr-18               | 06-sept.-18        |

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| <a href="#">BBI.2018.SO3.R11: Develop technologies and systems to produce bio-based aromatics that outperform fossil-based counterparts</a>                               | RIA | 115 M€ | 11-avr-18 | 06-sept.-18 |
| <a href="#">BBI.2018.SO3.R9: Develop functional molecules for bio-based coatings outperforming existing products and meeting market requirements</a>                      | RIA | 115 M€ | 11-avr-18 | 06-sept.-18 |
| <a href="#">BBI.2018.SO4.S1: Benefit from previous and current work to create a coherent and stimulating 'environment' for a sustainable bio-based industry in Europe</a> | CSA | 115 M€ | 11-avr-18 | 06-sept.-18 |
| <a href="#">BBI.2018.SO4.S2: Expand the bio-based industry across Europe</a>                                                                                              | CSA | 115 M€ | 11-avr-18 | 06-sept.-18 |
| <a href="#">BBI.2018.SO4.S3: Identify opportunities to promote careers, education and research activities in the European bio-based industry</a>                          | CSA | 115 M€ | 11-avr-18 | 06-sept.-18 |