

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

Partenariats JTI

Europe's Rail

| Titre | Type | Budget | Date d'ouverture | Date limite |
|--|-------------|---------------|-------------------------|--------------------|
| EU-RAIL JU Call Proposals 2022-01 (HORIZON-ER-JU-2022-01) | | | | |



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Partenariats JTI

Clean Hydrogen

| Titre | Type | Budget | Date d'ouverture | Date limite |
|--|------|--------|------------------|-------------|
| HORIZON-JTI-CLEANH2-2022 (HORIZON-JTI-CLEANH2-2022-2) | | | | |
| HORIZON-JTI-CLEANH2-2022-01-04 - Design for advanced and scalable manufacturing of electrolyzers | RIA | 121 M€ | 31/03/2022 | 20/09/2022 |
| HORIZON-JTI-CLEANH2-2022-01-05 - Scaling up of cells and stacks for large electrolyzers | RIA | | | |
| HORIZON-JTI-CLEANH2-2022-01-08 - Integration of multi-MW electrolyzers in industrial applications | IA | | | |
| HORIZON-JTI-CLEANH2-2022-01-10 - Demonstrating offshore production of green hydrogen | IA | | | |
| HORIZON-JTI-CLEANH2-2022-02-01 - Compatibility of Distribution non-steel metallic gas grid materials with hydrogen | RIA | | | |
| HORIZON-JTI-CLEANH2-2022-02-04 - Ammonia to Green Hydrogen: efficient system for ammonia cracking for application to long distance transportations | RIA | | | |
| HORIZON-JTI-CLEANH2-2022-02-05 - Efficient system for dehydrogenation of liquid organic hydrogen carriers for application to long distance transportations | RIA | | | |
| HORIZON-JTI-CLEANH2-2022-02-06 - Development of large scale LH2 containment for shipping | RIA | | | |
| HORIZON-JTI-CLEANH2-2022-02-11 - Development and demonstration of mobile and stationary compressed hydrogen refuelling solutions for application in inland shipping and short-distance maritime operations | IA | | | |
| HORIZON-JTI-CLEANH2-2022-03-01 - Development and optimisation of reliable and versatile PEMFC stacks for high power range applications | RIA | | | |
| HORIZON-JTI-CLEANH2-2022-04-01 - Design and industrial deployment of innovative manufacturing processes for fuel cells and fuel cell components | IA | | | |

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| HORIZON-JTI-CLEANH2-2022-05-01 - Public understanding of hydrogen and fuel cell technologies | CSA | | |
| HORIZON-JTI-CLEANH2-2022-05-03 - Safe hydrogen injection management at network-wide level: towards European gas sector transition | RIA | | |
| HORIZON-JTI-CLEANH2-2022-06-01 - Hydrogen Valleys (large-scale) | IA | | |
| HORIZON-JTI-CLEANH2-2022-06-02 - Hydrogen Valleys (small-scale) | IA | | |



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Key Digital Technologies (KDT)

| Titre | Type | Budget | Date d'ouverture | Date limite |
|---|-------------|---------------|-------------------------|--------------------|
| Digital European Sky Industrial Research 01 (HORIZON-SESAR-2022-DES-IR-01) | | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA1-1: Performance Management & Network impact Assessment | CSA | 4 M€ | 07/04/2022 | 13/10/2022 |
| HORIZON-SESAR-2022-DES-IR-01-WA1-2: Master Planning & Monitoring | CSA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA2-1: Industrial Research & Validation for Aviation Green Deal | RIA | 30 M€ | | |
| HORIZON-SESAR-2022-DES-IR-01-WA3-1: Industrial Research & Validation for Connected and Automated ATM | RIA | 55 M€ | | |
| HORIZON-SESAR-2022-DES-IR-01-WA3-2: Industrial Research & Validation for Air-Ground Integration and Autonomy | RIA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA3-3: Industrial Research & Validation for Capacity-on-Demand and Dynamic Airspace | RIA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA3-4: Industrial Research & Validation for Artificial Intelligence for Aviation | RIA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA3-5: Industrial Research & Validation for Civil-military Interoperability & Coordination | RIA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA4-1: Fast Track Innovation and Uptake U-space and Urban Air Mobility | IA | 35 M€ | | |
| HORIZON-SESAR-2022-DES-IR-01-WA5-1: Fast Track Innovation and Uptake Capacity-on-Demand and Dynamic Airspace | IA | 22 M€ | | |
| HORIZON-SESAR-2022-DES-IR-01-WA5-2: Fast Track Innovation and Uptake Virtualisation and Cybersecure Data-Sharing | IA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA5-3: Fast Track Innovation and Uptake Multi-modality and Passenger Experience | IA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA5-4: Fast Track Innovation and Uptake Artificial Intelligence for Aviation | IA | | | |

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| HORIZON-SESAR-2022-DES-IR-01-WA6-1: Industrial Research & Validation for Master Plan Phase C Connected and Automated ATM | RIA | 25 M€ | | |
| HORIZON-SESAR-2022-DES-IR-01-WA6-2: Industrial Research & Validation for Master Plan Phase C Air-ground Integration and Autonomy | RIA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA6-3: Industrial Research & Validation for Master Plan Phase C Capacity on-Demand and Dynamic Airspace | RIA | | | |
| HORIZON-SESAR-2022-DES-IR-01-WA6-4: Industrial Research & Validation for Master Plan Phase C Civil-military Interoperability & Coordination | RIA | | | |
| Digital European Sky Exploratory Research 01 (HORIZON-SESAR-2022-DES-ER-01) | | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-1: Fundamental Science and Outreach for Connected and Automated ATM | RIA | 10 M€ | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-2: Fundamental Science and Outreach for Capacity-on-demand and Dynamic Airspace | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-3: Fundamental Science and Outreach for U-space and Urban Air Mobility | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-4: Fundamental Science and Outreach for Virtualisation and Cyber-secure Data Sharing | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-5: Fundamental Science and Outreach for Multimodality and Passenger Experience | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-6: Fundamental Science and Outreach for Aviation Green Deal | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-7: Fundamental Science and Outreach for Artificial Intelligence (AI) for Aviation | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA1-8: Fundamental Science and Outreach for Civil/military Interoperability and Coordination | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA2-1: ATM application-oriented Research for Connected and Automated ATM | RIA | | 07/04/2022 | 13/10/2022 |
| HORIZON-SESAR-2022-DES-ER-01-WA2-2: ATM application-oriented Research for Air-Ground Integration and Autonomy | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA2-3: ATM application-oriented Research for Capacity-on-demand and Dynamic Airspace | RIA | | | |

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| HORIZON-SESAR-2022-DES-ER-01-WA2-4: ATM application-oriented Research for U-space and urban Air Mobility | RIA | 10 M€ | | |
| HORIZON-SESAR-2022-DES-ER-01-WA2-5: ATM application-oriented Research for Virtualisation and Cyber-secure Data Sharing | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA2-6: ATM application-oriented Research for Multimodality and Passenger Experience | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA2-7: ATM application-oriented Research for Aviation Green Deal | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA2-8: ATM application-oriented Research for Artificial Intelligence (AI) for aviation | RIA | | | |
| HORIZON-SESAR-2022-DES-ER-01-WA3-1: Knowledge Transfer Network | CSA | 3,75 M€ | | |

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Clean Aviation

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|---|------|--------|------------------|-------------|
| Clean Aviation CFP 01 (HORIZON-JU-Clean-Aviation-2022-01) | | | | |
| Hydrogen-powered aircraft topics | | | | |
| Hybrid-electric powered regional aircraft topics | | | | |
| Short/short-medium range aircraft topics | | | | |
| HORIZON-JU-CLEAN-AVIATION-2022-01-SMR-01 - Ultra Efficient Propulsion Systems for Short and Short-Medium Range Aircraft | IA | 175 M€ | 12/04/2022 | 23/06/2022 |
| HORIZON-JU-CLEAN-AVIATION2022-01-SMR-02 - Ultra Performance Wing for Short and Short-medium Range Aircraft | IA | 55 M€ | | |
| HORIZON-JU-CLEAN-AVIATION2022-01-SMR-03 - Advanced Low Weight Integrated Fuselage and Empennage for Short Range and Short-Medium Range Aircraft | IA | 40 M€ | | |
| Transversal activity topics | | | | |
| Coordination and Support Actions | | | | |

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Key Digital Technologies (KDT)

| Titre | Type | Budget | Date d'ouverture | Date limite |
|--|-------------|---------------|-------------------------|--------------------|
| New algorithms for applications on European exascale supercomputers (HORIZON-EUROHPC-JU-2022-ALG-02) | | | | |
| HORIZON-EUROHPC-JU-2022-ALG-02-01: New algorithms for applications on European exascale supercomputers | RIA | 5 M€ | 20/04/2022 | 27/10/2022 |

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Key Digital Technologies (KDT)

| Titre | Type | Budget | Date d'ouverture | Date limite |
|---|------|---------|------------------|-------------|
| HORIZON-KDT-JU-2022-1-IA (HORIZON-KDT-JU-2022-1-IA) | | | | |
| IA | | | | |
| HORIZON-KDT-JU-2022-1-IA-Topic-1 - General according to ECS-SRIA 202 | IA | 120 M€ | 03/05/2022 | 21/09/2022 |
| HORIZON-KDT-JU-2022-1-IA-Focus-Topic-2 - Industrial supply chain for silicon photonics | IA | 20 M€ | | |
| HORIZON-KDT-JU-2022-1-IA-Focus-Topic-3 - Design of Customisable and Domain Specific Open-source RISC-V Processors | IA | 20 M€ | | |
| HORIZON-KDT-JU-2022-2-RIA (HORIZON-KDT-JU-2022-2-RIA) | | | | |
| HORIZON-KDT-JU-2022-2-RIA-Topic-1 - General according to ECS-SRIA 2022 | RIA | 74,5 M€ | 03/05/2022 | 21/09/2022 |
| HORIZON-KDT-JU-2022-2-RIA-Focus-Topic-2 - Ecodesigned smart electronic systems supporting the Green Deal objectives | RIA | 20 M€ | | |

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Key Digital Technologies (KDT)

| Titre | Type | Budget | Date d'ouverture | Date limite |
|---|-------------|---------------|-------------------------|--------------------|
| Research and Innovation actions supporting the global health EDCTP3 Joint Undertaking (HORIZON-JU-GH-EDCTP3-2022-01) | | | | |
| HORIZON-JU-GH-EDCTP3-2022-CALL1-01-01: Promoting implementation of research results into policy and practice | RIA | 38,03 M€ | 11/05/2022 | 30/08/2022 |
| HORIZON-JU-GH-EDCTP3-2022-CALL1-01-02: Implementing adaptive platform trials | RIA | 30,85 M€ | | |
| HORIZON-JU-GH-EDCTP3-2022-CALL1-01-03: Genomic epidemiology for surveillance and control of poverty-related and emerging/re-emerging infections in sub-Saharan Africa | RIA | 22 M€ | | |
| HORIZON-JU-GH-EDCTP3-2022-CALL1-01-04: Creating a sustainable clinical trial network for infectious diseases in sub-Saharan Africa | CSA | 1 M€ | | |
| HORIZON-JU-GH-EDCTP3-2022-CALL1-01-05: Strengthening regulatory capacity for supporting conduct of clinical trials | CSA | 5 M€ | | |

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Circular Bio-based Europe (CBE)

| Titre | Type | Budget | Date d'ouverture | Date limite |
|---|-------------|---------------|-------------------------|--------------------|
| Circular Bio-based Europe Joint Undertaking (HORIZON-JU-CBE-2022) | | | | |
| HORIZON-JU-CBE-2022-IA-01 : Biogenic carbon capture and use (CCU) for circular bio-based products | IA | 120 M€ | 22/06/2022 | 22/09/2022 |
| HORIZON-JU-CBE-2022-IA-02 : Cooperative business models for the sustainable mobilisation and valorisation of agricultural residues, by-products, and waste in rural areas | IA | | | |
| HORIZON-JU-CBE-2022-IA-03 : Cost-effective production routes towards bio-based alternatives to fossil-based chemical building blocks | IA | | | |
| HORIZON-JU-CBE-2022-IA-04 : Co-processing of mixed bio-based waste streams | IA | | | |
| HORIZON-JU-CBE-2022-IAFlag-01 : Maximum valorisation of sustainably sourced bio-based feedstock in multi-product, zero-waste, zero-pollution biorefinery | IA | | | |
| HORIZON-JU-CBE-2022-IAFlag-02 : Alternative sources for high added value food and/or feed ingredients | IA | | | |
| HORIZON-JU-CBE-2022-R-01 : High performance bio-based polymers for market applications with stringent requirements | RIA | | | |
| HORIZON-JU-CBE-2022-R-02 : Bio-based coatings, barriers, binders, and adhesives | RIA | | | |
| HORIZON-JU-CBE-2022-R-03 : Circular-by-design bio-based materials to improve the circularity of complex structures | RIA | | | |
| HORIZON-JU-CBE-2022-R-04 : Proteins from alternative and unconventional sources | RIA | | | |
| HORIZON-JU-CBE-2022-R-05 : Sustainable fibres biorefineries feedstock | RIA | | | |
| HORIZON-JU-CBE-2022-S-01 : Developing and validating monitoring systems of environmental sustainability and circularity: collection of best practices and benchmarks | CSA | | | |

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Innovative Health Initiative (IHI)

| Titre | Type | Budget | Date d'ouverture | Date limite |
|---|-------------|---------------|-------------------------|--------------------|
| HORIZON-JU-IHI-2022-01-single-stage (HORIZON-JU-IHI-2022-01-single-stage) | | | | |
| HORIZON-JU-IHI-2022-01-01 : An innovative decision-support system for improved care pathways for patients with neurodegenerative diseases and comorbidities | RIA | 135 M€ | 28/06/2022 | 20/09/2022 |
| HORIZON-JU-IHI-2022-01-02 : Next generation imaging and image-guided diagnosis and therapy for cancer | RIA | | | |
| HORIZON-JU-IHI-2022-01-03 : Personalised oncology: innovative people centred, multi-modal therapies against cancer | RIA | | | |
| HORIZON-JU-IHI-2022-01-04 : Access and integration of heterogeneous health data for improved healthcare in disease areas of high unmet public health need | RIA | | | |
| HORIZON-JU-IHI-2022-02-01 : Cardiovascular diseases - improved prediction, prevention, diagnosis, and monitoring | RIA | | | |
| HORIZON-JU-IHI-2022-02-02 : Setting up a harmonised methodology to promote uptake of early feasibility studies for clinical and innovation excellence in the European Union | RIA | | | |