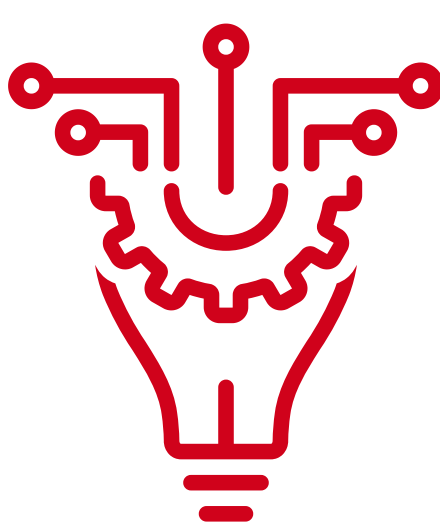


# Research Infrastructures Work Programme 2024



The overall objective of the Research Infrastructures Programme under Horizon Europe is to empower Europe through world-class and accessible research infrastructures, as part of an integrated European research and technology infrastructures landscape.



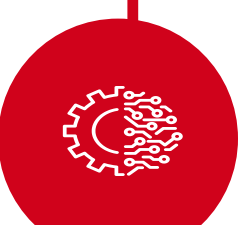
## DESTINATION – DEVELOPING, CONSOLIDATING AND OPTIMISING THE EUROPEAN RESEARCH INFRASTRUCTURES LANDSCAPE, MAINTAINING GLOBAL LEADERSHIP (INFRADEV)

- **HORIZON-INFRA-2024-DEV-01-01:** Research infrastructure concept development  
*This topic aims to the development of new concepts for the next generation of Research Infrastructures of European interest.*  
**Type of Action: RIA    Budget: 14.00 Euro million    Number of Projects to be funded: 5**
- **HORIZON-INFRA-2024-DEV-01-02:** Strengthen the bilateral cooperation on research infrastructures with Africa  
*The aim of this topic is to foster EU-Africa cooperation in Research Infrastructures and the sharing of good practices and experiences to facilitate the development of a strategic approach for structuring RI capacities at a pan-Africa level.*  
**Type of Action: CSA    Budget: 1.00-1.50 Euro million    Number of Projects to be funded: 1**
- **HORIZON-INFRA-2024-DEV-01-03:** Consolidation of the RI landscape – Individual support for evolution, long-term sustainability, and emerging needs of pan-European research infrastructures  
*This topic aims to consolidate the EU RI landscape through the support, of member states, to the strengthening, long-term sustainability, reorientation, or evolution of ESFRI landmarks.*  
**Type of Action: RIA    Budget: 3.00 Euro million    Number of Projects to be funded: 2**



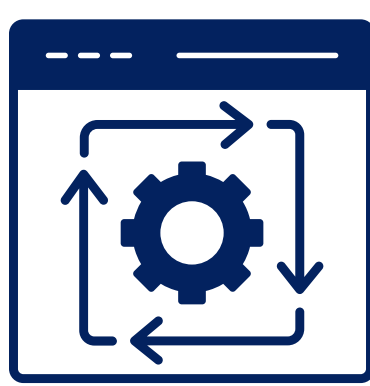
## DESTINATION – ENABLING AN OPERATIONAL, OPEN AND FAIR EOSC ECOSYSTEM (INFRAEOSC)

- **HORIZON-INFRA-2024-EOSC-01-01:** FAIR and open data sharing in support of the mission adaptation to climate change.  
*This topic aims to better access, management, interoperability, reuse, and citation of digital information with the use and integration of EOSC resources including EOSC federated infrastructures, services, and data to guidelines, and best practices, for the management of FAIR and open data. These resources will be used to support R&I under the Mission Climate Change.*  
**Type of Action: RIA    Budget: 16.00 Euro million    Number of Projects to be funded: 2**
- **HORIZON-INFRA-2024-EOSC-01-02:** Supporting the EOSC Partnership in further consolidating the coordination and sustainability of the EOSC ecosystem.  
*This topic aims to support the further implementation of an effective pan-European cooperation framework and a thriving EOSC ecosystem.*  
**Type of Action: CSA    Budget: 4.00 Euro million    Number of Projects to be funded: 1**
- **HORIZON-INFRA-2024-EOSC-01-03:** Enabling a network of EOSC federated and trustworthy repositories and enhancing the framework of generic and discipline-specific services for data and other research digital objects  
*The aim of this topic is the development of a federation of European trustworthy repositories to enhance access and use of research data.*  
**Type of Action: CSA    Budget: 5.00 Euro million    Number of Projects to be funded: 1**
- **HORIZON-INFRA-2024-EOSC-01-04:** Long-term access and preservation infrastructure development for EOSC, including data quality aspects  
*This topic aims to address the challenges raised due to the long-term preservation of data with the growing uptake of FAIR principles.*  
**Type of Action: RIA    Budget: 8.00 Euro million    Number of Projects to be funded: 1**
- **HORIZON-INFRA-2024-EOSC-01-05:** Innovative and customizable services for EOSC Exchange  
*The aim of this topic is to provide researchers with a set of highly innovative new services via EOSC Exchange.*  
**Type of Action: RIA    Budget: 28.00 Euro million    Number of Projects to be funded : 7**



## Destination - Next generation of scientific instrumentation, tools and methods and advanced digital solutions (INFRA TECH)

- **HORIZON-INFRA-2024-TECH-01-01:** R&D for the next generation of scientific instrumentation, tools, methods, and solutions for RI upgrade  
*The topic aims to deliver innovative scientific instrumentation, tools, methods and solutions that advance the state-of-art of Research infrastructures in the EU and associated countries and show transformative potential in their operation.*  
**Type of Action: RIA    Budget: 63.5 Euro million    Number of Projects to be funded: 8**
- **HORIZON-INFRA-2024-TECH-01-02:** Development of tools, solutions, and modules to enable R&I on the social aspects of the green transition  
*The objective of the topic is to deliver innovative tools, solutions and modules to enable research infrastructures to support studies and assessment on the social aspects of the green transition, advancing the state-of-art of RIs in the EU and Associated Countries.*  
**Type of Action: RIA    Budget: 5 Euro million    Number of Projects to be funded: 1**
- **HORIZON-INFRA-2024-TECH-01-03:** New digital twins for Destination Earth  
**Type of Action: RIA    Budget: 45 Euro million    Number of Projects to be funded: 3**  
*The topic aims to develop new digital twin infrastructures that the core simulation, data fusion and supporting software infrastructures for high-performance computing and data handling can be seamlessly integrated with the Destination Earth platform components.*
- **HORIZON-INFRA-2024-TECH-01-04:** AR/VR-empowered digital twins for modeling complex phenomena in new RI application areas  
*The topic addresses the delivery of digital twin solutions that advance the state-of-the-art of European RIs and show transformative potential in RI operations.*  
**Type of Action: RIA    Budget: 24 Euro million    Number of Projects to be funded: 2**



*'In the future, smart investments will be required to drive the development of new research infrastructures to fill knowledge gaps, support emerging needs and scientific breakthroughs, and respond to new challenges, notably in the field of health and in the context of the green and digital transitions.'*

Source: Work Programme 2023-2024 -Research Infrastructures

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