

DANUBIUS

Scientific area	Earth and Environmental Sciences
Host country	Romania
Infrastructure type	Distributed
Dutch node or similar	-
Legal entity	ERIC (application stage)
Established	ERIC in preparation (estimate 2023)
The Netherlands member since	-
Phase	Implementation (started October 2022)

Duration of agreement

n/a

Terms of withdrawal

Members may withdraw membership at any time upon at least 12 months prior notice. Withdrawal will come into effect after a minimum five-year period of membership and at the end of the next financial year in which a notice of withdrawal has been given.

Access to facilities

DANUBIUS-ERIC shall adopt an access policy, for approval by the General Assembly.

Access to data

DANUBIUS-ERIC shall promote open source and open access principles. Access to data produced by the DANUBIUS-ERIC shall, wherever possible (taking into account third party licences and pre-existing arrangements), be available free of charge for all scientific institutions and other stakeholders and shall be openly accessible to any scientific person or agency.

User definition

A provisional list of end-users and stakeholders include:

- Practitioners in the rivers, deltas, estuaries and seas communities
- Scientists from across a wide range of disciplines (cross-disciplinary scientists)
- Public audiences
- Internal Stakeholders

Description

DANUBIUS-RI is the International Centre for Advanced Studies on River-Sea Systems. DANUBIUS-RI's Mission is to facilitate excellent science on the continuum from river source to sea; to offer state-of-the art research infrastructure; and to provide the integrated knowledge required to sustainably manage and protect River-Sea Systems.

DANUBIUS-RI was included on the ESFRI 2016 Roadmap. The Preparatory Phase (DANUBIUS-PP) project to establish DANUBIUS-RI as an ERIC started in December 2016 and was funded by the EU's Horizon 2020 Research and Innovation Programme. DANUBIUS-PP aimed at developing the structures and processes to ensure that the RI strengthens scientific performance by providing a sustainable basis for future operation delivering key services to the different user communities. The consortium consists of 30 partners from 16 countries and is led by Romania. The Implementation Phase (DANUBIUS-IP) is funded by the EU's Horizon Europe Research and Innovation Programme and started in October 2022 with the overall goal to ensure the successful initiation of the ERIC and start of the Operational Phase.

DANUBIUS-RI will provide science-based solutions to societal risks arising from global and climate change as well as coincident extreme events. Likewise, it will offer a source to sea perspective to resolve the problems of adverse human impacts on water and sediment quality and quantity, hydromorphology, and biodiversity and ecosystem functioning.

DANUBIUS-RI will be a distributed research infrastructure offering:

- state-of-the-art and fit-for-purpose facilities of river to coastal sea observation systems;
- development and implementation of interoperable and harmonised methods, tools and models, to achieve comparability across the freshwater-seawater continua;
- a data portal to integrate existing data and knowledge across sectors and disciplines, supplemented by new data and syntheses;
- smart observation and analytical technologies developed jointly with small and medium-sized enterprises;
- test beds for nature-based management and restoration solutions;
- education and training programmes for scientists;
- engagement with public authorities and policy makers through assessment, evaluation and measures to improve the environmental status of River-Sea Systems;
- outreach to, and education for, the interested wider public.

Financial details, employee statistics, user information, deliveries to the RI, additional questions

DANUBIUS-RI indicated that the questions in the questionnaire cannot be answered yet, because the RI is still in development.