

REXDAN Research Infrastructure, with its two main components: *REXDAN Research Center* and *REXDAN Research Vessel*, represents the main result of the project *An Integrated System for the Complex Environmental Research and Monitoring in the Danube River Area, REXDAN*.

REXDAN Research Center



REXDAN Research Vessel



GENERAL OBJECTIVES

Increasing the research capacity of “Dunarea de Jos” University of Galați in the field of intelligent specialization: *Energy, environment, climate change* in the Danube River basin.

Strengthening the Romanian contribution to the progress of multidisciplinary knowledge in research areas of complex interest: ecology, chemistry, physics, biology, environmental science etc. and in related domains: aquatic ecosystems including water, soil, sediments, flora, fauna, the environment, climate change, the impact of anthropogenic activity, sustainable development, etc.

The total value of the project
96.178.513,42 lei

The non-reimbursable eligible value from
the European Regional Development
Fund: 81.751.736,41 lei

The non-reimbursable eligible value from
the national budget 14.426.777,01 lei

Project co-financed by the European
Regional Development Fund through the
Competitiveness Operational
Programme 2014-2020

The content of this material does not
necessarily represent the official
position of the European Union or of
the Government of Romania.

„Dunărea de Jos” University of Galați

November 2023



UNIUNEA EUROPEANĂ



REXDAN

*An Integrated System for the
Complex Environmental
Research and Monitoring in the
Danube River Area*

Contract no.
309/10.07.2020
SMIS Cod 2014+: 127065

Project duration:
10.07.2020 - 31.12.2023

www.rexdan.ugal.ro

Beneficiary:
„Dunărea de Jos” University of Galați



REXDAN Research Center

- Laboratory for Sample Conservation and Preparation
- Chromatography Laboratory
- Instrumental Analysis Laboratory
- Spectrometry Laboratory
- Ecology Laboratory
- Genetics Laboratory
- Bathymetry, Hydrology and Topometry Laboratory
- Climate Change Observation Platform
- Data Storage/Processing Laboratory



REXDAN research directions

- Climate change
- Ecology
- Genetics
- Terrestrial measurements and bathymetry
- Geographic informatic systems (GIS)
- Remote sensing and spatial analysis
- Monitoring and evaluating the quality of aquatic ecosystems
- Wastewater assessment, management and treatment
- Soil quality monitoring
- Sustainable development

REXDAN Research Vessel

- Laboratory for Sample Collection and Conservation
- Sample Preparation Laboratory
- Radiometry Laboratory
- Physico-chemical Analyses Laboratory
- Aquatic Ecology Laboratory
- Atmospheric Composition Laboratory
- Biodiversity Monitoring Laboratory
- Bathymetry Laboratory
- IT Laboratory
- Conference room
- 5 cabins for 10 researchers



