



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

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

REXDAN

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

The total value of the project: 96.178.513,42 lei
The non-reimbursable eligible value from the European Regional Development Fund: 81.751.736,41lei
The non-reimbursable eligible value from the national budget 14.426.777,01 lei

GENERAL OBJECTIVES

Increasing the research capacity of “Dunarea de Jos” University of Galați in the field of smart 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 main result of the project is the *REXDAN* Research Infrastructure with its 2 components: *REXDAN* Research Center and *REXDAN* Research Vessel.

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 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

www.rexdan.ro

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