

# HARMONIZATION OF DATA TIME SERIES FOR THE EVALUATION OF COASTAL RISKS IN THE GALICIA - NORTH PORTUGAL EUROREGION

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**MarRISK Project Goal:** Consolidation of a knowledge infrastructure for evaluating coastal risks in the Galicia-North Portugal Euroregion.

## OPERATIONAL OBSERVATION NETWORKS



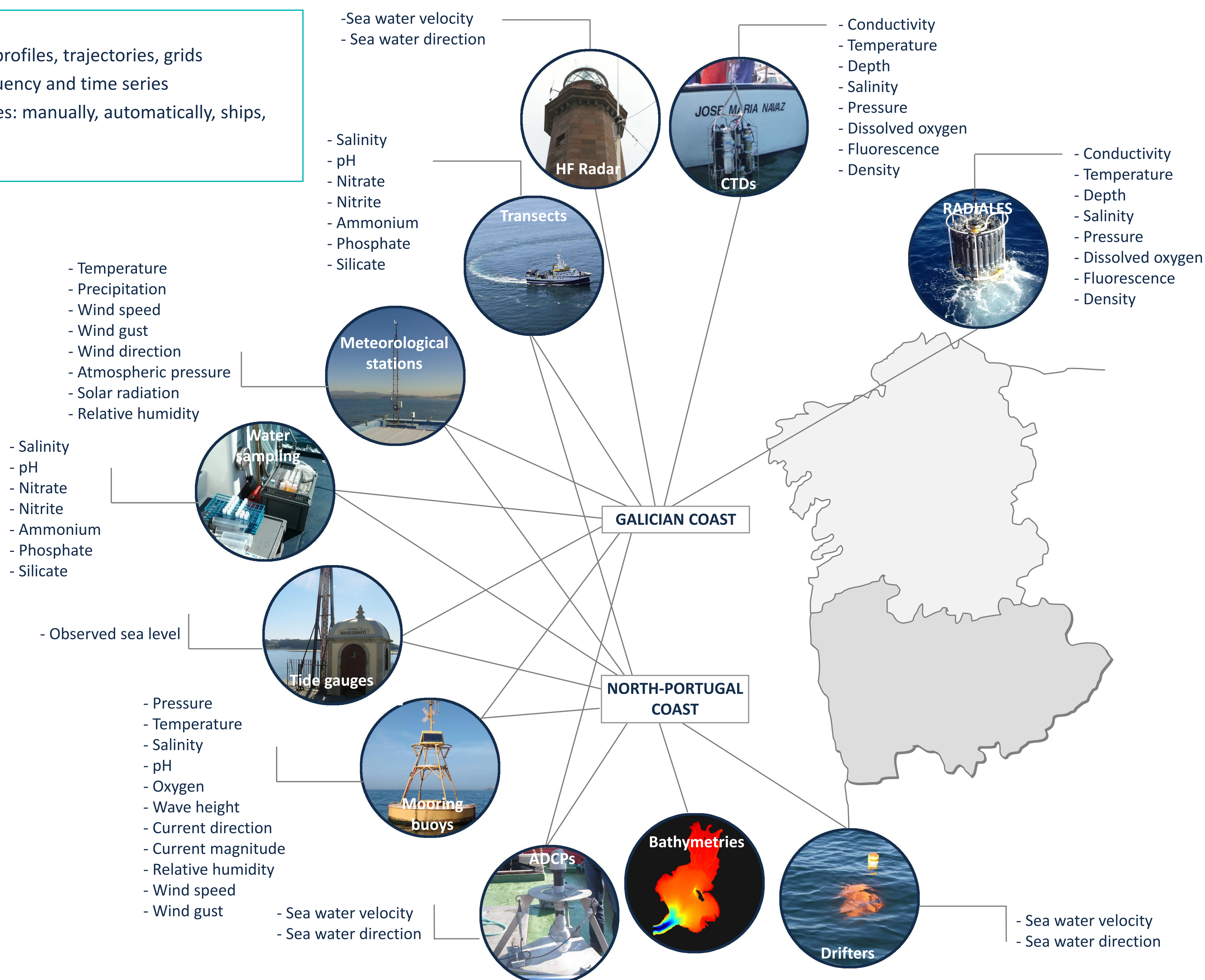
A multi-disciplinary consortium of experts in Marine Sciences from the Galicia and North-Portugal Euroregion has put together more than 300 variables at the disposal of MarRISK project for a better understanding of coastal and oceanic characteristics and vulnerabilities.



## UPDATE AND CONSOLIDATION OF OBSERVATIONAL DATASETS TO ENSURE THE MONITORING OF THE EVOLUTION OF COASTAL SYSTEMS

### CHALLENGES:

- Spatial distributions: sites, profiles, trajectories, grids
- Temporal distribution, frequency and time series
- Diverse sampling approaches: manually, automatically, ships, platforms, etc.
- Quality control of data



## PROJECT ACTIONS

### HOMOGENIZATION OF DATASETS

- Maintaining common quality standards (SeaDataNet recommendations)
- Acquiring consistency
- Ensuring reliability

### STANDARDIZATION

- Use of common vocabularies in all metadatabases to avoid ambiguities: British Oceanographic Data Centre (BODC), Climate & Forecast (CF 1.6)
- Use of common data formats towards consistency and interoperability

### OUTCOMES

- Capability of sharing and using data from different sources for selecting environmental indicators for the evaluation of coastal risks in the Galicia-North Portugal Euroregion

