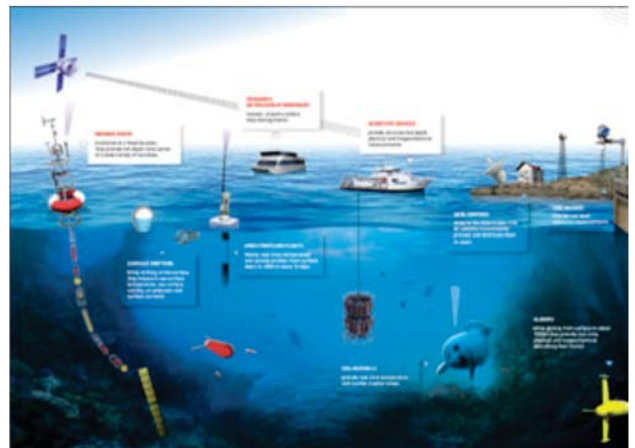


COROLIS 2014-2020: AN INTEGRATED IN-SITU OCEAN OBSERVATION INFRASTRUCTURE FOR OPERATIONAL OCEANOGRAPHY AND OCEAN/CLIMATE RESEARCH

P.Y. Le Traon, Ifremer and Mercator Océan
Executive Secretary of the Coriolis 2014-2020 governing board

The Coriolis structure gathers efforts of seven French institutes (CNES, CNRS, IFREMER, IPEV, IRD, Météo-France, SHOM) to organize the in-situ component of the French operational oceanography infrastructure. The objective is to organize the data acquisition and real-time/delayed mode data processing of in-situ measurements required for operational oceanography and ocean/climate research. Coriolis is focused on a limited number of physical and biogeochemical parameters that are acquired systematically and in real time or slightly delayed mode. Coriolis follows a fully open data policy.

The framework of collaboration for Coriolis was renewed in 2014 and now covers the time period of 2014 up to 2020. By signing this new agreement, the seven directors of French institutes have clearly stated their willingness to sustain and consolidate further the Coriolis in-situ infrastructure. The new framework agreement strengthens the links between research and operational oceanography. The scope is also extended to integrate the main French contributions to the global and regional in-situ observing systems: Argo, gliders, research vessels, ship of opportunities, drifting buoys, marine mammals, tidal networks and high frequency coastal observatories. These networks are organized by the different institutes with a pooling of resources for at sea operation, data processing and data dissemination and R&D activities. This new framework agreement provides a better integration of the French contributions to the Global Ocean Observing System (GOOS/JCOMM). It also confirms and extends the European mission of Coriolis, in particular, in the framework of Euro-Argo, Emodnet and the Copernicus Marine Service.



Coriolis 2014-2020 also features a strengthened organization and governance. A Steering Committee with representatives of all networks and of the three transverse components (at sea operation, data center, R&D) is in charge of the scientific and technical management. It reports to a Governing Board (directors of institutes). A Scientific Council (shared with Mercator Ocean) provides the required scientific guidance, in particular, for issues related to the integration with modelling and data assimilation.

