Malvinas Current Intrusions at the Bahia Blanca Canyon System (MACI)

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Abstract :
The objectives of this project are within the main scope of the GMMC's work as their achievement will help the improvement of Operational Oceanography (OO) efforts. OO efforts aim the real-time description and operational forecasting of the ocean in its diversity. To accomplish this objective, the model should reproduce accurately the observations. The project presented here will compare Mercator available outputs of physical variables (currents, temperature and salinity) with in-situ measurements in the Bahia Blanca Canyon System (BBCS), located in the upper slope of the Patagonian shelf in the Southwestern Atlantic. The BBCS is a critical region with large impact in the productivity of the ocean and in the absorption of CO2 from the atmosphere and where fisheries take advantage of the large primary productivity. The project will also contribute to evaluate if a finer scale (both in time and space) is needed to reproduce the observations: a regional numerical model with higher spatial resolution will be configured and run.