Time-Series Oceanographic Study at the 'Estación Permanente de Estudios Ambientales'

Instituto Nacional de Investigación y Desarrollo Pesquero, Mar del Plata, Argentina

EPEA - Antares

Project: 'Marine Plankton Dynamics and Climatic Change (DiPlaMCC)'

Objectives

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- To understand the variability in the dynamics and the diversity of plankton and environmental conditions in relationship to climatic changes.
- To obtain a time series of measurements of environmental variables (meteorological, physical and chemical) and plankton components (all size fractions).
- Elaborate a conceptual frame of the trophic structure of plankton and its temporal variations.
- To distinguish, in the long-term, local expected variability in oceanographic conditions from especial events; and try to determine if these are linked to global climate change.

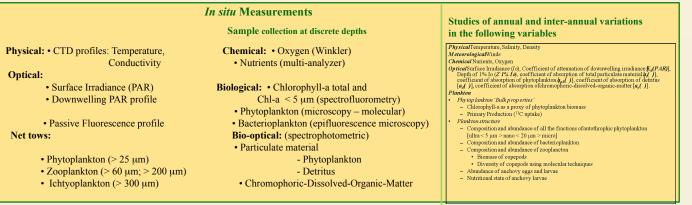


 Started: February 2000 •Frequency: monthly* •Cruises on board INIDEP-vessels **unfortunate gaps

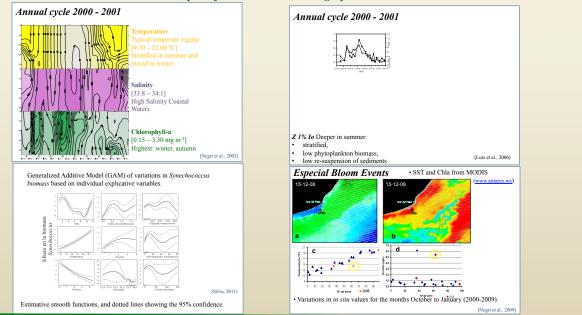


Nutrients Zooplankton Chlorophyll a Ichtyoplankton Bacterioplankton Ichtyoplankton ography - Meteorology Physical Ocean Zooplankton Ichtyoplankton











- Human resources
- Dynamics: Physical (Advection, Turbulence) and Physiological (Primary Production)

- Maintaining continuity in the frequency of field sampling!

Support from Scientific Agencies to these Key Studies!

Buoy