

CPPS

A REGIONAL SCIENTIFIC COORDINATION
BASELINE FOR POLICY DECISION MAKING



Marcelo Nilo

Director of Scientific Affairs and Fishery Resources

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(www.cpps-int.org)



Purpose

- The Direction of Scientific Affairs and Fishery Resources – DACRP - is responsible for the regional coordination of scientific aspects and their linkages with policy and research using an Ecosystem approach framework



Coordinating our knowledge: the supporting network

- Scientific Technical Committee of the Regional Action Plan for Sharks, Skates and Chimeras. (UN Code of Conduct for Responsible Fisheries IPOA Sharks)
- Working Groups on trade mechanism (fishery subsidies) and gender (WTO, FAO)
- Committee for the coordination of Regional Oceanographic Cruises
- Specialized Database Working Group
- Scientific Committee of the Regional Program of the El Niño Phenomenon – ERFEN
- South Pacific Regional Tsunami Warning System – SRATPS
- Regional Alliance of the Global Ocean Observing System (GOOS) for the South-East Pacific - GRASP



Issues

- ❑ Variability and climate change
- ❑ Regional oceanography
- ❑ Mitigation of risks due to natural phenomena
- ❑ Management of living and non-living resources (IUU, mining)
- ❑ Fisheries activities, including economic and social aspects (ecosystem approach to fisheries, subsidies, gender)
- ❑ Food security and poverty alleviation



Issues for further cooperation at a glance

- ❑ Regional Coordination of the “El Niño” studies (ERFEN Protocol)
- ❑ Natural Hazards reduction (Regional Tsunami Warning System - IOC).
- ❑ Regional Coordination of the GOOS Alliance
- ❑ Climate Change (ocean acidification, sea level, increasing strength natural events)



ERFEN (Regional El Niño Protocol) (i)

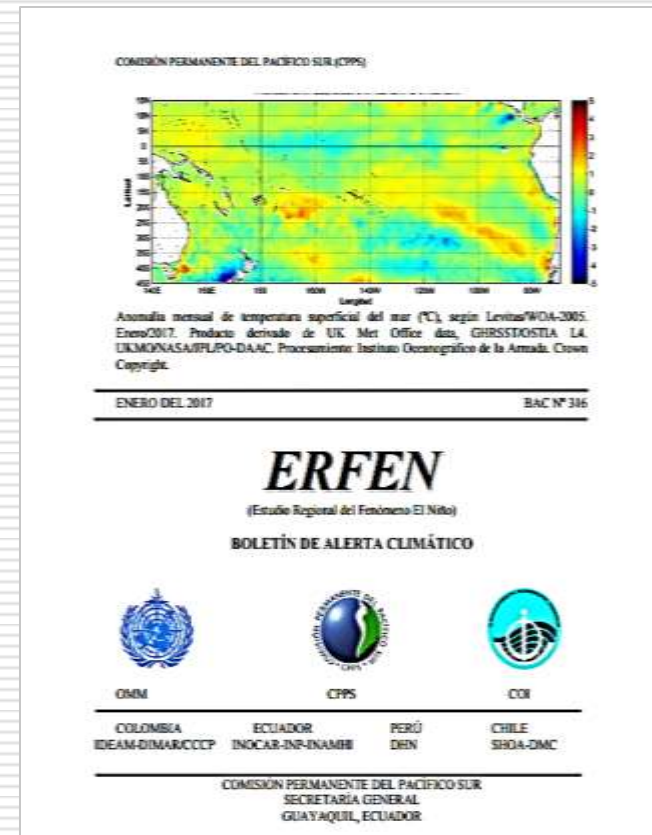
□ Purpose:

- Predict ocean-atmospheric changes, to implement adaptation / emergency policies. Considering impacts on fishing landings, agricultural and industrial performance, trade off decisions, management of hydro biological resources; among others.
- The Protocol 's scientific base is supported on more than 50 research centers, institutions, universities and government bodies of the PSE.



ERFEN (Regional El Niño Protocol) (ii)

- El Niño Monitoring and forecast
- Monthly climate bulletins (26 years of monthly publications)



ERFEN (Regional El Niño Protocol) (iii)

- Regional Oceanographic cruises
- 21 consecutive yearly cruises to date

Grupo de Trabajo Especializado de Base de Datos (GTE-8D)

Corresponde a la gestión de los datos de las cruces y es coordinado por representantes de los Centros Nacionales de Base de Datos Oceanográficos (CENDOC) en Colombia (CCOF/IMM), en Ecuador (MOGAC), en Perú (Dirección de Hidrografía y Navegación de la Marina de Guerra, DHN) y en Chile (Servicio Hidrográfico y Oceanográfico de la Armada, SHOA).



Programa de Intercambio de Investigadores

Con el fin de fortalecer las actividades cooperativas de investigación y el conocimiento y análisis de las investigaciones marinas que se conducen en las cruces regionales, se estableció un Programa de Intercambio de Investigadores de los Cruceros Regionales.

Las designaciones a cargo de los países son conveniadas por las Instituciones Especializadas (IE) coordinadoras del cruceo a través de las Secciones Nacionales de Chile, Colombia, Ecuador y Perú.



Comité Coordinador y Grupo de Trabajo Especializado



DIRECCIÓN DE ASUNTOS CENTRALES
Y RECURSOS PESQUEROS

Marcio Nilo G.
Director

Paulo Domínguez V.
Asistente

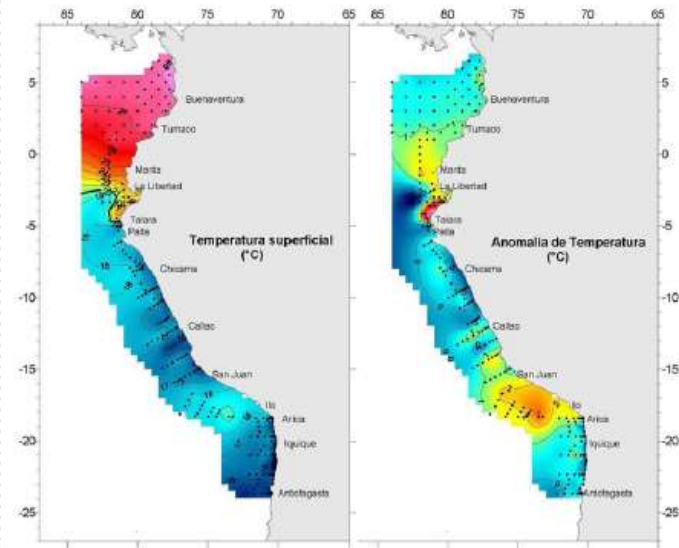
Tel: 591 (4)221200-2
mnilo@csp-ort.org
pdomingo@csp-ort.org

COMISIÓN PERMANENTE DEL PACÍFICO SUR
Chile, Colombia, Ecuador, Perú
Av. Carlos Anwandter s/n, La Reina, Chile, P.O. 2
Santiago, Ecuador
Tel: 591 (4)221200-2
www.csp-ort.org



ERFEN (Regional El Niño Protocol) Regional Oceanographic cruises (i)

- Agreed Regional Objective for the cruise
 - Characterize the oceanographic and meteorological conditions on the SEP during September-November, with the purpose of contributing to integrated regional climate monitoring and the likely presence of El Niño/La Niña.



ERFEN (Regional El Niño Protocol)

Regional Oceanographic cruises (2)

- Agreed Regional Specific Objectives for the cruise (i)
 - Evaluate the ocean-atmospheric conditions at the macro scale in the tropical Pacific associated with ocean-atmospheric processes during the cruise period and their effects on the dynamics of the SEP.
 - Evaluate the activity of the Intertropical Convergence Zone (ITCZ) and intensity of the South Pacific anticyclone (SPA) depending on weather conditions (air temperature, wind speed and direction and atmospheric pressure).



ERFEN (Regional El Niño Protocol)

Regional Oceanographic cruises (iii)

- Agreed Regional Specific Objectives for the cruise
 - Evaluate the horizontal and vertical distribution of temperature, salinity, dissolved oxygen and density of the sea up to 500 m, and up to 1000 m depth in selected stations.
 - Estimate the currents in the SEP, through direct and indirect methods.
 - Determine the distribution of the oxygen minimum layer and its association with marine dynamics, particularly subsurface currents from Colombia to Chile



ERFEN (Regional El Niño Protocol) Regional Oceanographic cruises (iv)

- Agreed Regional Specific Objectives for the cruise
 - Determining marine productivity in terms of dissolved inorganic nutrients and function of Chlorophyll a, biomass and qualitative analysis of plankton.
 - Characterize the distribution of water masses and frontal areas in the region.



Regional Tsunami Coordination

- ❑ Coordination of the Regional Tsunami Warning System
- ❑ Managing the Tsunami Platform as a Regional redundant communication system,
- ❑ Training local coastal authorities & populations (DIPECHO-IOC)



Regional Coordination of GOOS (GRASP Alliance): Regional Operational Products

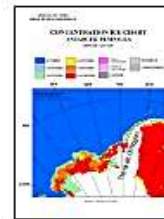


- Principal
- Sobre el GRASP
- Historia
- Antecedentes
- Productos GRASP
- Oceanografía Operacional
- Foros
- GOOS / GRA
- Contactos
- Reuniones

- Red Mareográfica Chilena
- Red Mareográfica Peruana
- UKMO
- Wave Watch
- Altimetría Satelital
- Cartas de Salinidad
- OLE-2
- Pronósticos Meteorológicos
- Carta Pronosticada de Superficie
- Carta Pronosticada de Viento
- Mapas de Viento
- Concentración de Hielo Marino
- Sistema de Medición de Parámetros Oceanográficos y de Meteorología Marina - SMPOMM
- DEMO 2016

Español English

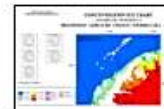
Antartic Peninsula



Click on the picture to see the product

Image shows the sea ice concentration for the Antarctic Peninsula. The illustrated information is obtained from the U.S. National Ice Center and is updated every fifteen days. The used color code corresponds to the WMO color code-concentration. Available every 15 days (depending on data availability)

Bransfield Strait



Click on the picture to see the product

Image shows the sea ice concentration for the Antarctic Peninsula. The illustrated information is obtained from the U.S. National Ice Center and is updated every fifteen days. The used color code corresponds to the WMO color code-concentration. Available every 15 days (depending on data availability)



Regional Coordination of GOOS (GRASP Alliance) Agreed Strategic Plan for 2015-2020

- ❑ Strategic area 1: Monitoring the Southeast Pacific Ocean
- ❑ Strategic area 2: Oceanic and Atmospheric Research
- ❑ Strategic area 3: Data Management
- ❑ Strategic area 4: Adaptation and Mitigation in Coastal Areas
- ❑ Strategic area 5: Monitoring Progress on the Strategic Plan



Final Remarks

- There are three main issues to build upon cooperation schemes:
 - Lessons learn (pilots projects and scaling)
 - Capacity building (multidisciplinary and cross-sectoral)
 - Technology transfer



thank you

