



Introduction on PICES/MONITOR Technical Committee

for the beginning of collaboration
with ICES-GOOS



Terms of Reference of MONITOR/PICES committee:

1. Identify principal monitoring needs of the PICES region, and develop approaches to meet these needs, including training and capacity building;
- 2. Serve as a forum for coordination and development of inter-regional and international components of the North Pacific Ocean Observing Systems, including the GLOBAL Ocean Observing System, GOOS. Facilitate method development and inter-comparison workshops to promote calibration, standardization and harmonization of data sets;**
3. Contribute to the development of the [North Pacific Ecosystem Status Report](#), advising editors and lead authors on monitoring issues, identifying the need for particular time series and their continuities, the period on which they need to be updated for the [FUTURE](#) forecast products, and recommend to Science Board that they endorse the need to establish or maintain particular time series;
- 4. Recommend interim meetings to address monitoring needs and PICES–GOOS activities;**
5. Provide annual reports to Science Board and the Secretariat on monitoring activities in relation to PICES;
6. Interact with TCODE on management issues of monitoring data

Members



- Dr. D.Mackas (Canada)
- Dr. E.Gritsav (Russia)
- Dr. V.Lobanov (Russia)
- Dr. J.Barth (U.S.A)
- Dr. P.Mundy (U.S.A; vice-chairman)
- Dr. J.Napp (U.S.A)



ICES countries

- Prof. Q.Wen (China)
- Dr. X.Zhao (China)
- Prof. S.Saitoh (Japan)
- Dr. H.Sugisaki(Japan; chairman)
- Mr. K.-S.Park (Korea)
- Prof. Y.-J.Ro (Korea)
- Dr. Y.-S.Suh (Korea)

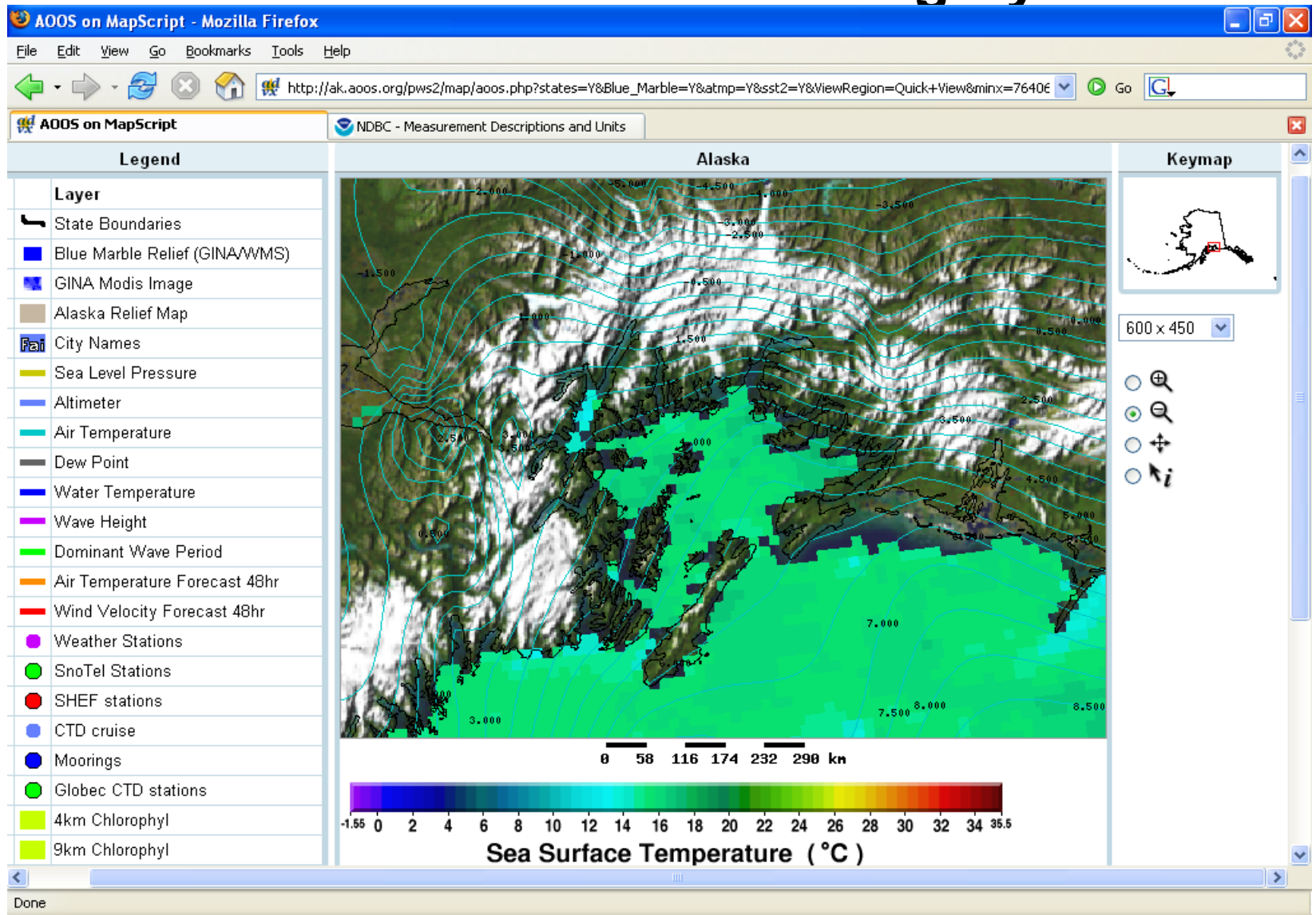


non-ICES countries

- CPR-AP (Advisory Panel on the Continuous Plankton Recorder survey in the North Pacific)
- CREAMS-AP (Advisory Panel for a CREAMS/PICES program in East Asian marginal seas) CREAMS: Circulation Research for East Asian Marginal Seas

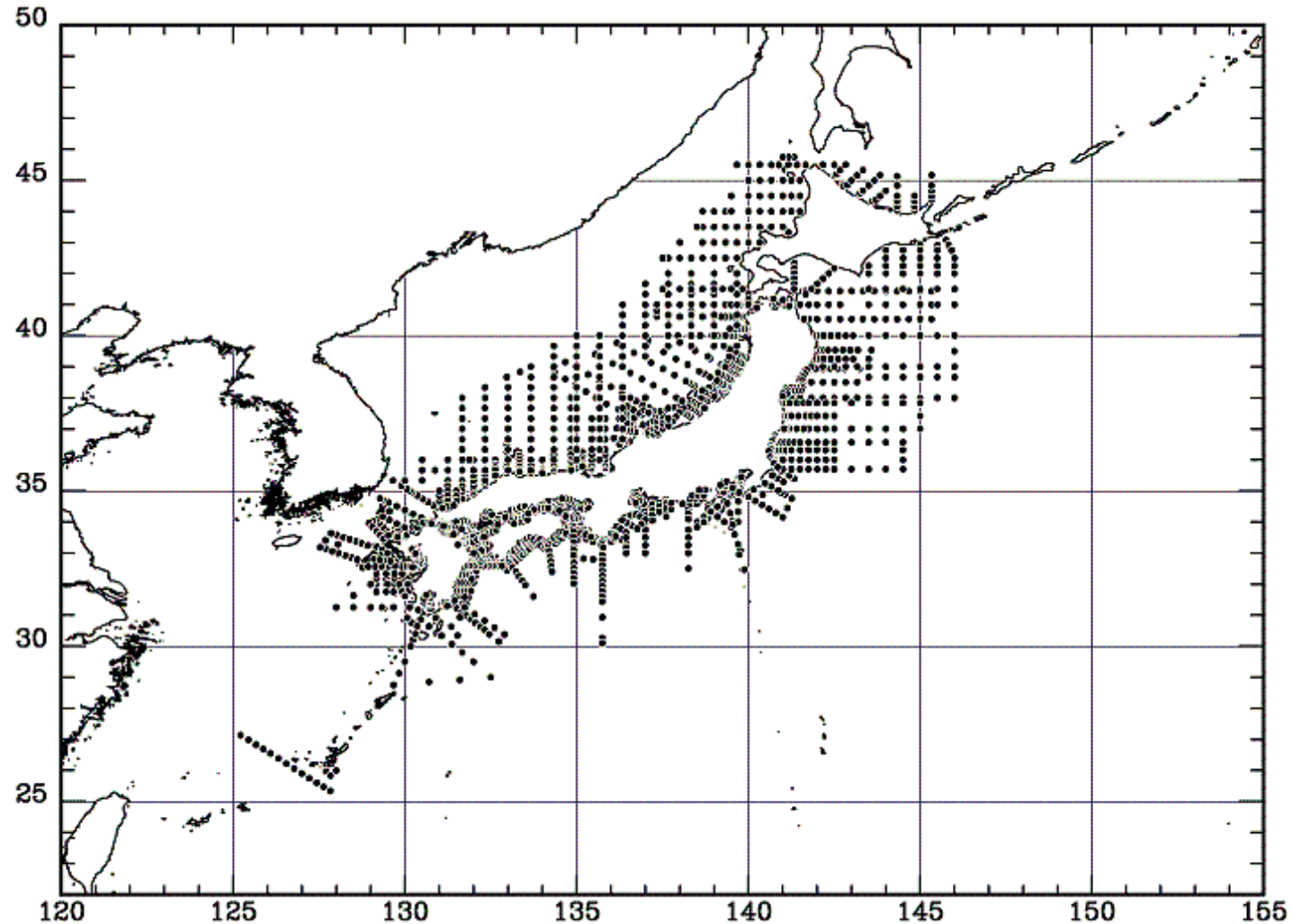
Examples of our activities:

The Alaska Ocean Observing System



AOS web GIS application; relief map (GINA); SST (NASA)

Examples of our activities: **Monitoring stations organized by Fisheries Research Agency and local fisheries research institutes**



**T,S, Zooplankton Egg and larvae of fish research since early 1950s
(part of them is ODATE collection)**

the PICES Ocean Monitoring Service Award (POMA)

First winner: ***T/S Oshoro Maru (Hokkaido University, Japan)***





North Pacific Ecosystem Status Report II (published in March 2010 proposed)

- NPESR Home
- Current State
- Kuroshio
- Yellow Sea
- Japan Sea / East Sea
- Okhotsk Sea
- Oyashio
- Bering Sea
- Alaska Current
- California Current
- Oceanic
- Synthesis
- Editors and Authors
- **DATA**
- Spring Timing

North Pacific Marine Science Organization Marine Ecosystems of the North Pacific Ocean, 2003-2008

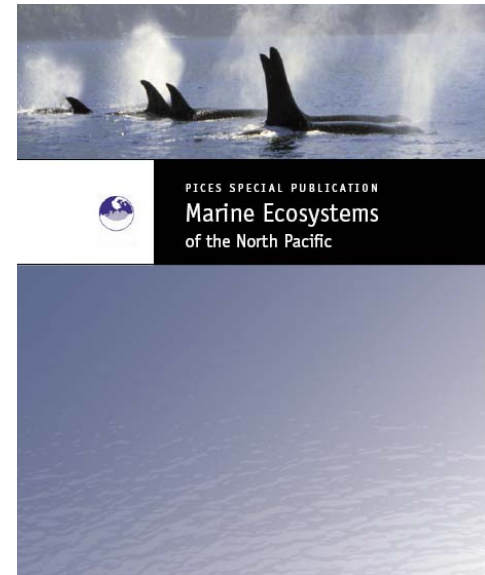
NPESR Home

The North Pacific Marine Science Organization (nicknamed [PICES](#)) is an international, intergovernmental organization, established in 1992, to coordinate scientific research on everything from wind to whales in the ocean and atmosphere of the North Pacific and its marginal seas. From time to time, PICES will report on the state and trends in marine ecosystems of the North Pacific. The first report, published in 2004 as [PICES Special Publication 1](#), was a result of a pilot project on ecosystem status reporting. Ecosystem reporting is now a routine activity of PICES. *Marine Ecosystems of the North Pacific, 2003-2008* is being developed with an anticipated publication date in spring 2010. This website was created to facilitate the exchange of data, information, and reports among its authors and editors.

[Current State of the North Pacific](#)

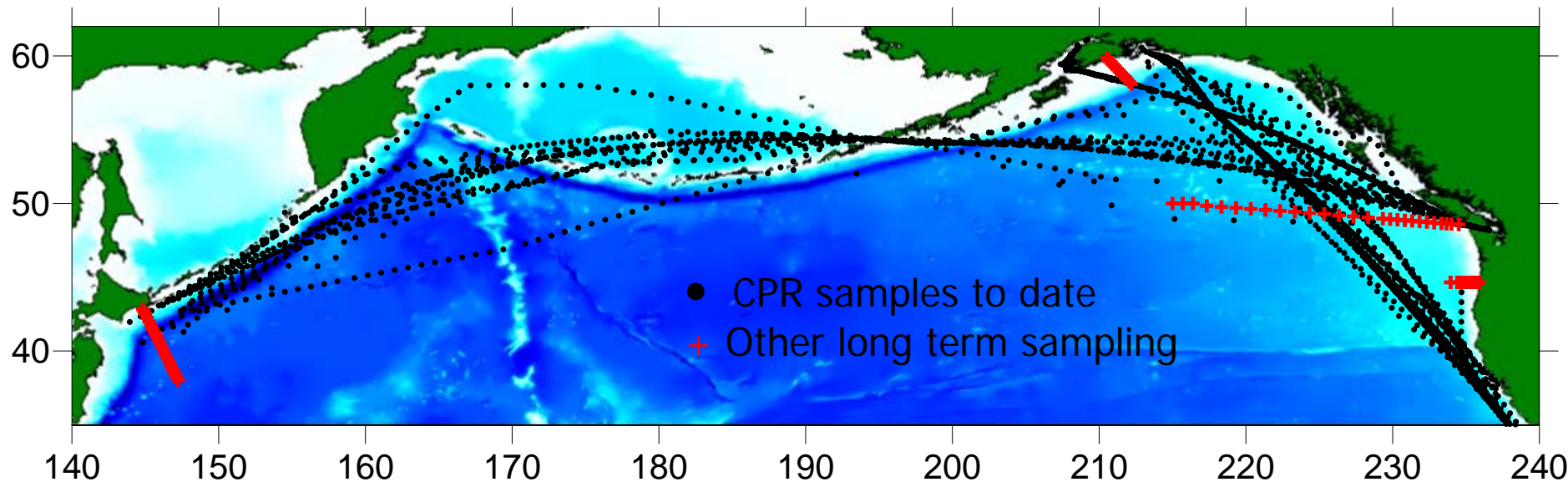
Last update = March 5, 2009

June 30, 2009 is **117** days from then



Website of the
PICES
Ecosystem Status
Report Team

The location of all processed samples, up to 2008.
Approximately 3 times as many samples have been archived
without processing



Importance of ocean monitoring/observation for PICES



- PICES new program “FUTURE”
(It is proposed to start in April, 2009.)

Ocean observation is essential to carry this program out.



Objective 2. Status Reports, Outlooks, Forecasts and Outreach

Observation systems, data management, and dissemination

Achieving the goals of FUTURE requires that climate change, anthropogenic stressors, and ecosystem responses be measured systematically in appropriate monitoring systems. **A major MONITOR requirement is to develop the necessary timely observation delivery system to support Status Reports, Outlooks, and Forecasts.**

Several significant events have occurred in the last decade that influence how the ocean will be studied during FUTURE. First, is the emergence of new technologies for ocean observing since the CCCC program began.

Second, the entrainment of the output of observing systems into data assimilating numerical models is placing greater demands on the availability of data from comprehensive observing systems and access to high-speed computers to run the models. **It will be the responsibility of the PICES MONITOR Technical Committee and the Technical Committee on Data Exchange to review existing and planned monitoring systems and data management systems, including Global Ocean Observing System (GOOS), and coordinate activities to incorporate the requirements of FUTURE in the implementation of these observing and data assimilation systems.**

ICES-PICES Collaboration for the future



I wish to propose the joint session at PICES annual meeting (probably Portland, U.S.A) or ICES Annual Science Conference in 2010.

- Is it acceptable for ICES?
- If you agree, which do you prefer to hold the meeting in PICES or ICES?

[for PICES, the 2010's sessions will be approved at PICES Science Board meeting in this fall (early November).]

We are looking forward to working with you.