



PICES REPORT

GSSC-X
Tenth Session of the Global Ocean
Observing System
Scientific Steering Committee
Seoul, Korea, 13 – 16 March 2007



PICES

International Treaty

North Pacific Marine Science Organization

Physics, ..., Whales

Since 1992

- Canada
- Japan
- People's Republic of China
- Republic of Korea
- Russian Federation
- United States of America



PICES Standing Committees

- BIO - Biological Oceanography
- FIS - Fishery Science
- MEQ - Marine Environmental Quality
- POC - Physical Oceanography and Climate
- TCODE - Data Exchange
- MONITOR – Monitoring



PICES MONITOR – Technical Committee on Monitoring

- Monitoring needs & approaches
- Forum for international coordination, i.e. GOOS
- Calibration, standardization, comparison
- Host study groups, panels & other relevant functions
 - Study Group GOOS
 - Continuous Plankton Recorder Panel
 - North Pacific Ecosystem Status Report



MONITOR Study Group GOOS

I-GOOS

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PICES



Continuous Plankton Recorder (Batten et al)

Since 1997

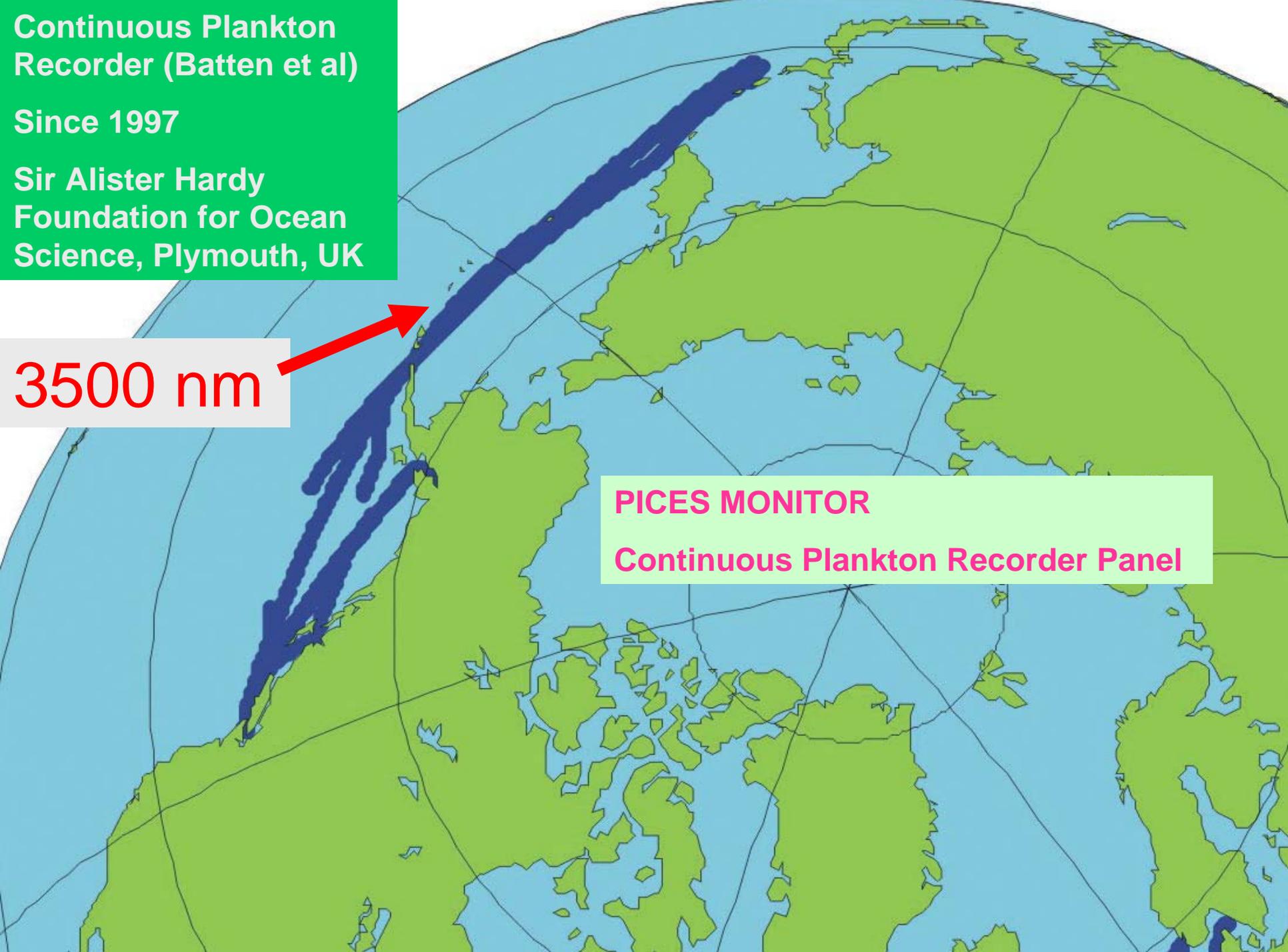
**Sir Alister Hardy
Foundation for Ocean
Science, Plymouth, UK**

3500 nm



PICES MONITOR

Continuous Plankton Recorder Panel



N Pacific CPR Publications

Lindley, J.A., and Batten, S.D. (Submitted) Distribution and seasonal cycles of decapod crustacean larvae in Continuous Plankton Records from the North Pacific Ocean. Submitted to **Journal of the Marine Biological Association, UK**

Mackas, D.L., Batten, S.D., and Trudel, M., (submitted) Effects on zooplankton of a warming ocean: recent evidence from the Northeast Pacific. **Progress in Oceanography**.

Batten, S.D. and Freeland, H.J. (submitted). Plankton populations at the bifurcation of the North Pacific Current. **Fisheries Oceanography**

Kirby, R.R., Lindley, J.A., and Batten, S.D. (accepted, pending acceptance of corrections). Spatial heterogeneity and genetic variation in the copepod *Neocalanus cristatus* along two transects in the North Pacific sampled by the Continuous Plankton Recorder. **Journal of Plankton Research**.

Batten, S.D and Crawford, W.R. (2005). The influence of coastal origin eddies on oceanic plankton distributions in the eastern Gulf of Alaska. **Deep Sea Research II**, *52*, 991-1009.

Lindley, J.A., Batten, S.D., Coyle, K.O and Pinchuk, A.I. (2004). Regular occurrence of *Thysanoessa inspinata* (Crustacea: Euphausiacea) in the Gulf of Alaska. **Journal of the Marine Biological Association of the UK**, *84*, 1033-1037. N-S & E-W

Batten, S.D. and Welch, D.W. (2004). Changes in oceanic zooplankton populations in the North-east Pacific associated with the possible climatic regime shift of 1998/1999. **Deep Sea Research II**, *51*, 863-873.





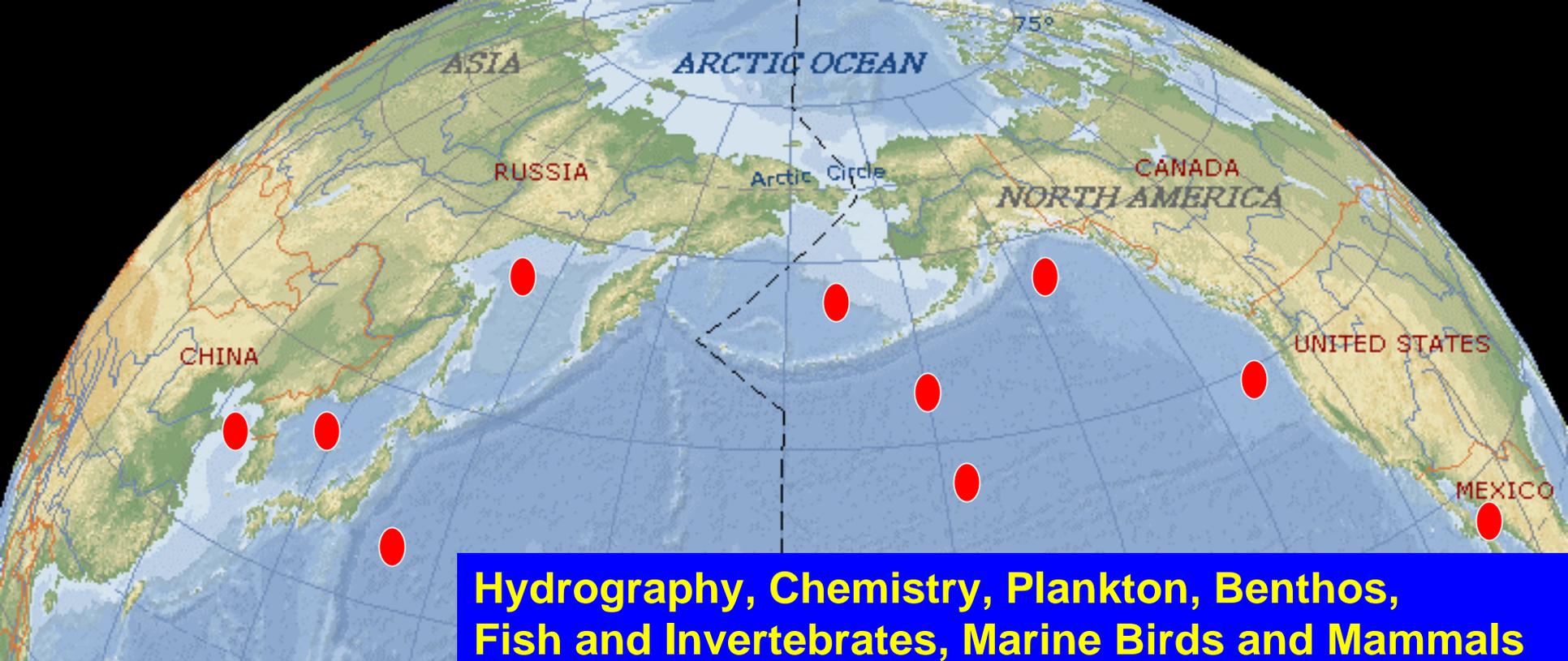
PICES SPECIAL PUBLICATION

Marine Ecosystems of the North Pacific



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North Pacific Ecosystem Status Report



Yellow Sea
Japan/East Sea
Sea of Okhotsk
Oyashio / Kuroshio
Transition Zone 32N-42N

Western Subarctic Gyre
Bering Sea
California Current
Gulf of Alaska
Gulf of California

PICES MONITOR North Pacific Ecosystem Status Report



PICES MONITOR SG GOOS REQUESTS FOR GSSC X RECOMMENDATION

- **North Pacific CPR**
- **PICES MONITOR/GSSC**



End presentation, thank you