REPORT FOR 2ND GODAR WESTPAC-WORKSHOP

Tran Tuan Dung
Hanoi Institute of Oceanography
Vietnamese Academy of Science Technology

INTRODUCTION

- Oceanographic investigation in Vietnam has been carrying out by many organizations.
- Marine data are archiving in many inhomogeneous formats at these organizations.
- Existing confidential database and restricted data at each marine research organization.
- The financial support from government is not enough to cover all activities in marine data management.
- Distribution and exchange of marine data are still restricted due to regulations in Vietnam.

MAIN OCEANOGRAPHIC RESEARCH ORGANIZATIONS

- Institute of Oceanography in Nhatrang (IO). Founded 1930.
- Hanoi Institute of Oceanography (HNIO). Founded 1993.
- Haiphong Institute of Oceanography (HPIO). Founded 1993.
- 4. Research Institute of Marine Products (RIMP). Founded 1962.
- 5. Research Institute of Water Resources (RIWR). Founded 1978.

- 6. Marine Hydro Meteorological Centre (MHMC). Founded 1986.
- Marine Geological and Mineral Centre (MGMC). Founded 1995.
- 8. VietNam Petroleum Institute (VPI). Founded 1978.
- 9. Survey and Mapping Division of Navy (SMDN). Founded 1972.
- 10. Research Institute of Vietsopetro (RIV). Founded 1986.

GODAR ACTIVITIES

- Statistics on marine data that are available in all the oceanographic research institutions in Vietnam.
- Collecting and rescuing all available marine data and information on the data in Vietnam.
- Inspecting the quality of the data collected.
- Constructing a uniform database.
- Developing software to digitize and store data onto standard format and media.
- Sharing new marine data to the marine researchers.

MAIN DATA SOURCES COLLECTED

- From complex marine investigative programs:
 - Program Thuanhai-Minhhai (1978-1980).
 - > Program 48-06 (1981-1985).
 - Program 48-B (1986-1990).
 - Program KT-03 (1991-1995).
 - > Program KHCN-06 (1996-2000).
 - > Program KC-09 (2001-2005).
- From cooperative projects:
 - > Vietnam-USA (1959-1961).
 - Vietnam-China (1959-1962).

- Vietnam-Russia (1981-1993).
- Vietnam-France (1993-2000).
- Vietnam-Australia (1997-2000).
- Vietnam-Canada (1997-1999).
- > Vietnam-Thailand-Philippine (1996-2000).
- Vietnam-Germany (1996-2005).
- Vietnam-Norway (1999-2001).

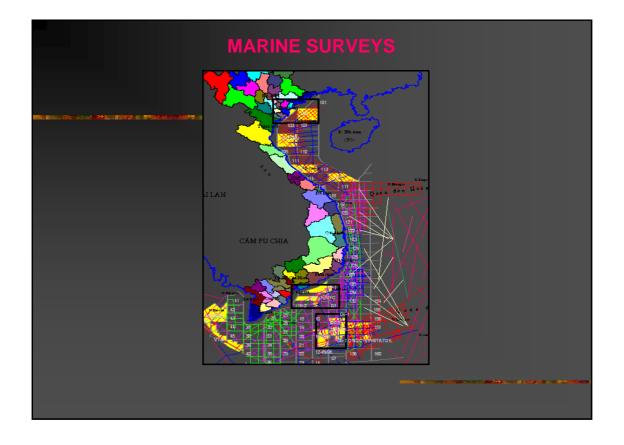
DATA COLLECTED

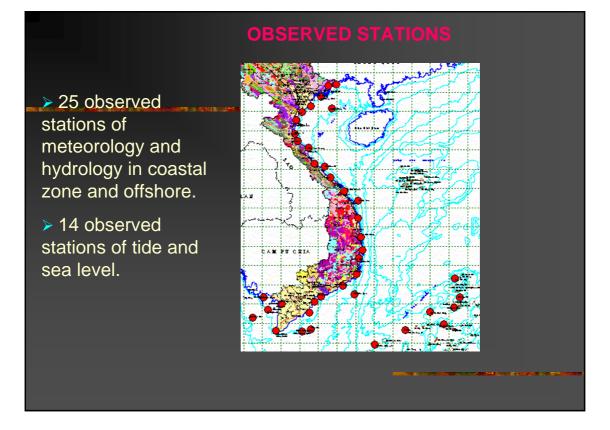
- Marine Hydrology and Chemistry.
- Marine Meteorology.
- Marine Biology.
- Marine Ecology.
- Marine Environment and Natural Resources.
- Marine Geology and Geophysics.
- Marine dynamics.
- Bathymetry.

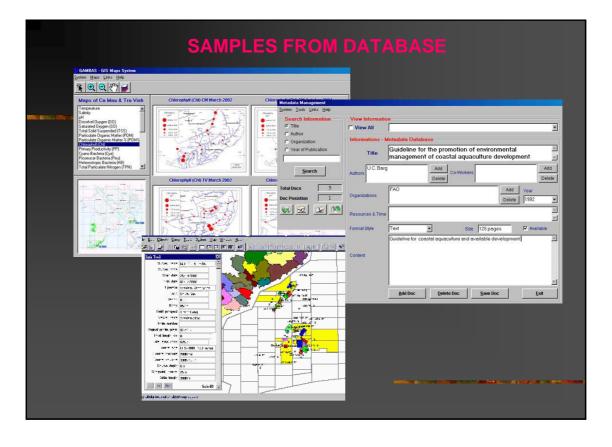
INFORMATION ON DATA

- Information on oceanographic data:
 - Name of surveys.
 - > Number of surveys.
 - > Time and location of surveys.
 - Surveyed elements...
 - Type of data stored (on papers, maps, magnetic tapes...).
- Hydrology and chemistry
 - > 205.487 observation stations.
- Marine dynamics
 - > 96.519 observation stations.

- Marine meteorology
 - > 8.110 observation stations.
- Marine Biology and Ecology
 - > 14.248 observation stations.
- Marine Environment
 - > 4.535 observation stations.
- Geology and Geophysics
 - > 116.200 observation stations.
- Bathymetry
 - > 34.000 observation stations.



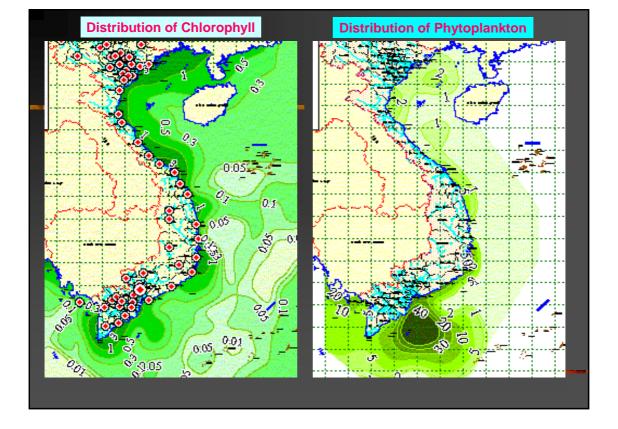


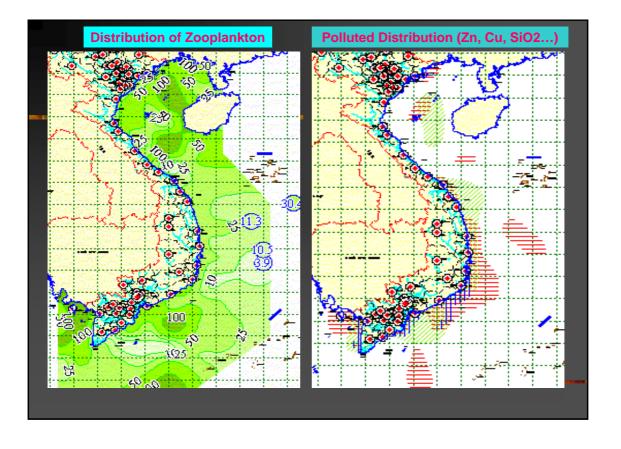


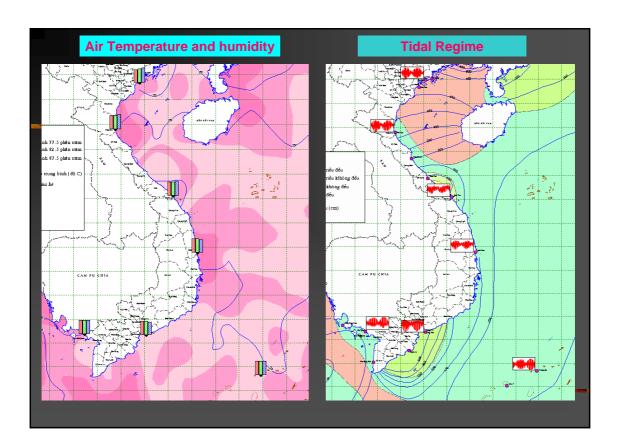
PRODUCTS

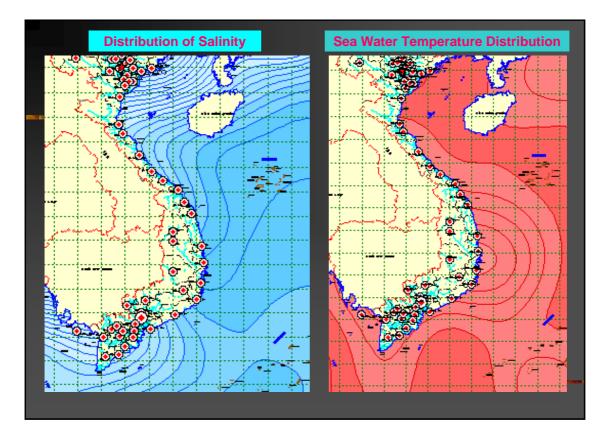
- Data stored in CD-ROM.
- Books.
- Documents.
- Charts.











CONCLUSIONS

- GODAR project allows to produce new marine data sets for scientific community in uniform format. It is interesting in Vietnam.
- Marine data are abundant but archiving in many inhomogeneous formats at different organizations.
- Strong cooperation and interest of all marine research organizations are necessary for success of GODAR project in Vietnam.
- At present, finance is a difficult problem for activities of marine data management.
- International exchange of marine data are still restricted due to regulations in Vietnam.

