Internet Geoinformation Service for Southeast Asian Seas

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Geoinformation

• Short name for Geographic Information
• Geodata or Geographic data may be archived and processed as individual files or as database
• Geoinformation may contain raw data (geospatial and non-geospatial), processed information and other knowledges.
What can Marine Geoinformation be used for?

• Solving Environmental Problems
  Accurate and precise past and present situations
• Planning for better management/uses in the future
  Ability to project future, what-if scenario

It is dangerous to mix-up these two uses
What general information are need?

- ‘Static Templates’
  - Boundaries (shore line, administrative, EEZ)
  - Bathymetry/elevation
- ‘Dynamical’ Data
  - Climate and weather
  - Circulation, tide and other dynamical data
- Environmental quality/state data
- Stress and pressure on environment
- Directories (people, institutes, metadata)
Data Sources

• Observation (usually limited!)
  • Interpolation of station data
  • Remote sensing
• Proximation
  • Expert/consensus
  • Statistic (e.g., linear and multiple regressions)
  • Process/dynamic modeling
Basic considerations in making a decision support geoinformation system?

- Storage and exchange formats/protocols
- Geographic references (map projection, datum)
- Resolution of data
Some Available UNEP Tools

• Regional data center
  – PrimaGIS: Web management + Map service

• Regional data references
  (catalogue or meta data)
  – GeoNetwork opensource
PLONE & PrimaGIS

PLONE
CONTENT MANAGEMENT SYSTEM

UNEP-IW:LEARN WEBSITE TOOLKIT
2004
What is Website Toolkit

• Website Toolkit is a user-friendly and powerful content management system for international waters application, comprises of an intranet and extranet server, document publishing system, portal server and may be used as a groupware tool for collaboration between users.
Website Toolkit Features

- Supported by UNEP/IW:LEARN through SEA IW:LEARN Regional Learning Center
- Create websites without any complex set-up procedures
  - works with Linux, Windows, Mac OS X, FreeBSD, and Solaris.
- Built in Multilingual capabilities
- Simple and advanced searching and outstanding search engine visibility
- Integrated Site map
- Documentation in print and online
PrimaGIS

• PrimaGIS is a collaborative web mapping application for Plone
• PrimaGIS is not a standalone applications, but builds on top of
  – Mapserver – University of Minnesota
  – Python Cartographic Library (PCL)
  – Zope Cartographic Objects (ZCO)
PrimaGIS Features

- Support ESRI Shape files
- Support RASTER images
- Support WMS and WFS connection
- Support Postgres SQL Database connection
- Export to KML and GML file formats
- Basic Mapping Tools
The Yellow Sea’s Partnership website

Welcome To The Yellow Sea Partner’s Website

Welcome to the Yellow Sea Partner’s website!!!

With an emphasis on raising public awareness, the Yellow Sea Partnership is established to facilitate co-operation and coordination among various organisations which conduct activities for environmental conservation in the Yellow Sea.

The Partnership is expected to maximise the effectiveness and efficiency of each conservation activity.

News

Strategic Action Programme (SAP) Ad-hoc meeting
Republic of Korea, 2007-04-10

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Republic of Korea, 2007-04-10

10th MERRAC Focal Points Meeting
Daejeon, ROK, 2007-05-14

6th DINRAC Focal Points Meeting
Beijing, China, 2007-05-24

Upcoming events...

More news...
The GeoNetwork opensource Software
A Brief History

- 2000-2001 - GeoNetwork opensource prototype started by FAO
- 2002 - Start of collaboration on Spatial Data Management between FAO & World Food Programme (WFP)
- 2002 - Development of GeoNetwork & InterMap Web Map Viewer version 1
- 2003 - First joined installation of GeoNetwork in Mozambique
- 2004 - Start of collaboration with UNEP to develop GeoNetwork version 2
- 2005 - Forming of a GeoNetwork consortium between FAO, WFP, UNEP, WHO, OCHA and CGIAR
What is GeoNetwork OpenSource?

- A portal system to search and access geospatial information through metadata
- It integrates
  - Search functions
  - Administrative functions
  - Data distribution and publication
  - Interactive access to maps from distributed servers through InterMap
  - Optionally an embedded Web Map Server
GeoNetwork Demo site at FAO
http://www.fao.org/geonetwork
Pragmatic Consideration for An Operational Regional Information System

- National and regional contact points
- Full time web manager
- Full time geo-database manager
- Full time publication and user support staff
- Well supported networking and host computers
- English language proficiency