Geo-seas Training Workshop

Location : EOST, University of Strasbourg, 5 rue René Descartes STRASBOURG
Dates : 22 – 25 June 2010
Duration: 4 days
General Topic : "Geo-seas common standards, data management, system and tools"
Trainees (see annex): Geo-seas project – data managers and technicians of 30 data centres

Registration by email to Marc.Schaming@unistra.fr, required before 12th June 2010; indicating requirements for Visa letter a.s.a.p.

Also it is required that all participants register as user to the SeaDataNet User Register (see http://www.seadatanet.org/data_access/user_registration) beforehand so that each participant has a personal id-password!

Tuesday, 22th June 2010

Seiscanex experience: how to deal with seismic images, convert them into SEG-Y, and deal with navigation

09:00 – 09:15 - Welcome and introduction (*Marc Schaming*, CNRS/*University of Strasbourg*)

09:15 – 09:30 – Geo-Seas project – Aims and objectives (*Helen Glaves, NERC*)

09:30 – 09:45 - Participant introducing (round table)

09:45 – 10:15 – Presentation of *Seiscan* and *Seiscanex* projects *(Peter Miles)*

10:15 - 10:30 – Reproshop (Caldra graphics software) presentation *(to be defined)*

10:30 – 11:00 - Coffee Break

11:00 - 12:45 - Practical work: *Use of Reproshop (2 persons to be defined)*

13:00 - 14:15 – Lunch break

14:30 – 15:15 – *Seistrans* (conversion of seismic images into SEGY) *(Marc Schaming, CNRS)*

15:15 – 16:00 – Use of GMT and Seismic Unix *(Peter Miles + Marc Schaming)*

16:00 – 16:20 – Coffee Break

16:20 – 17:40 - Practical work: *Use of SeisTrans, SU, GMT*

Wednesday, 23rd June 2010

Present state of infrastructure and background information

09:00 – 10:00 – Present state of the SeaDataNet / Geo-Seas infrastructure *(Dick Schaap, Maris)*

10:00 – 10:30 - Metadata – EDMED, EDMERP, CSR, EDMO and CDI *(Arjen de Korte, Maris)*

- Introduction of directories
- Links between European directories
- Metadata Formats
- XML schemas

10:30 – 11:00 - Coffee Break

11:00 – 11:30 - Metadata – EDMED, EDMERP, CSR, EDMO and CDI (*Arjen de Korte, Maris*) continued

- Identifier management
- Mapping to common vocabularies and EDMO
- NODC- national networks principles

11:30 – 13:00 - Metadata – Entry, Maintenance and Management tools *(Arjen de Korte, Maris)*

- Overview of maintenance / management options (online CMS / MIKADO)
- Role of NODCs
- Management of EDMO
- Management of EDMED
- Management of EDMERP
- Management of CSR
- Management of CDI

13:00 - 14:15 – Lunch break

14:30 - 15:15 - Practical work**:** *Use of SDN/ Geo-Seas portals: metadata discovery*

15:15 – 15:45 – Common Vocabularies *(Dick Schaap, MARIS)*

- Overview
- Governance
- Use in practice

15:45 – 16:00 – Coffee Break

16:00 – 17:00 - Practical work**:** Use of Vocabularies services

Thursday, 24th June 2010:

Data formatting, CDI and data access and practical use

09:00 – 10:30 – Common Standards *(Dick Schaap, MARIS)*

- Data File formats in Geo-Seas
- ODV details
- Vocabularies
- Data policy and license
- User registration and data access

10:30 – 10:50 – Coffee Break

10:50 – 12:20 – Standards for formats for Geological data *(Sytze von Heterer, TNO, to be confirmed)*

- ODV format as basis
- Types of geological data
- Classifications / vocabularies to be used
- ODV examples

12:20 - 13:00 – CDI metadata format for Geological and Hydrographic data (*Dick Schaap - MARIS)*

- CDI format
- How to apply
- CDI examples

13:00 - 14:15 – Lunch break

14:30 – 15:30 – Data access system (*Dick Schaap - MARIS)*

- Components of the system
- V1 and V1 Interim
- Step by step installation, configuration and production
- Coupling table between CDI and Data
- Using the RSM as a user and as a provider

15:30-15:50 – Coffee Break

15:50 – 17.00 – Practical work
Use of the CDI V1 data discovery and access service
Use of RSM for retrieving of data sets and processing of data requests

Stop at 17:00 (visit and dinner)

Friday, 25th June 2010:

Description of the different steps for data management and offline tools

09:00 – 10:00 - Presentation of offline Mikado tool for editing and generating metadata + XML Validation services *(Vanessa Tosello, Michèle Fichaut IFREMER-SISMER)*

10:00 – 10:30 – Practical work
using Mikado for preparing XML entries for CDI, EDMED, EDMERP and CSR
(Vanessa Tosello, Michèle Fichaut, IFREMER-SISMER)

10:30 – 10:50 – Coffee Break

10:50 – 12:30 – Practical work *continued*
using Mikado for preparing XML entries for CDI, EDMED, EDMERP and CSR
(Vanessa Tosello, Michèle Fichaut, IFREMER-SISMER)

12:30 – 13:00 – Ends and Bends software *(Eric Moussat, IFREMER-SISMER)*

13:00 - 14:15 – Lunch break

14:30 – 15:00 - Formatting data to the Geo-Seas ODV format (NEMO software tool) *(Vanessa Tosello, Michèle Fichaut, IFREMER-SISMER)*

15:00 – 16:00 - Practical work
using NEMO for converting files to Geo-Seas ODV format
(Vanessa Tosello, Michèle Fichaut, IFREMER-SISMER)

16:00 – 16:20– Coffee Break

16:20 – 16:30 - Closure of the Training Workshop

LIST OF PROPOSED PARTICIPANTS:

Barcelona University (UB), Department of Stratigraphy, Paleontology and Marine Geosciences	Spain
BRGM / Office of Geological and Mining Resources	France
British Geological Survey (BGS), Edinburgh	United Kingdom
British Oceanographic Data Centre (BODC)	United Kingdom
Bulgarian National Oceanographic Data Centre (BGODC), Institute of Oceanology	Bulgaria
Centre for Environment, Fisheries and Aquaculture Science, Lowestoft Laboratory	United Kingdom
CIRIA	United Kingdom
Department of Geology, University College Cork	Ireland
EU-CONSULT	Netherlands
Faculty of Geography and Earth Sciences, University of Latvia (LU)	Latvia
Federal Institute for Geosciences and Natural Resources (BGR), Hannover.	Germany
Geological and miner Spanish Institute (IGME). Marine Geology Service	Spain
Geological Survey of Denmark and Greenland	Denmark
Geological Survey of Estonia	Estonia
Geological Survey of Ireland	Ireland
Geological Survey of Norway (NGU)	Norway
German Oceanographic Datacentre (NODC)	Germany
IFREMER / IDM/SISMER	France
Institute of Geology and Geography	Lithuania
Institute of Geology and Mineral Exploration, Marine Geology Department (MGD/IGME)	Greece
LNEG - Laboratorio Nacional de Energia e Geologia	Portugal
Management Unit of the North Sea and Scheldt estuary Mathematical Models, Belgian Marine Data Centre (MUMM-BMDC)	Belgium
Marine Information Service (MARIS)	Netherlands
National Institute of Oceanography and Experimental Geophysics, Department for the Development of Marine Technology and Research	Italy
National Observatory of Athens, Institute of Geodynamics	Greece
National Oceanography Centre (NOC), Southampton	United Kingdom
Polish Geological Institute, Branch of Marine Geology (PGI BMG)	Poland

SHOM (SERVICE HYDROGRAPHIQUE ET OCEANOGRAPHIQUE DE LA MARINE)	France
TNO Built Environment and Geosciences, Geological Survey of the Netherlands	Netherlands
CNRS	France

Teachers – Instructors - Organisers

Marine Information Service (MARIS)	Netherlands
CNRS	France
TNO	Netherlands
Institut Français de Recherche pour l'Exploitation de la Mer	France
	UK