IMDIS 2010

INTERNATIONAL CONFERENCE on MARINE DATA and INFORMATION SYSTEMS

29 – 31 March 2010
Muséum National d'Histoire Naturelle
Paris, France

PROGRAMME

Organized by
IFREMER/SISMER
EU SeaDataNet project
Intergovernmental Oceanographic Commission of UNESCO (IOC/IODE)

INTERNATIONAL CONFERENCE ON MARINE DATA AND INFORMATION SYSTEMS (IMDIS 2010)

29-31 March, 2010
Muséum National d'Histoire Naturelle, Paris, France

PROGRAMME

Monday 29 March 2010

08:30 – 10:00	Registration and preparation of poster display (1st set)
10:00 – 10:05	G. MAUDIRE - Welcome
10:05 – 10:20	*Official IFREMER*
10:20 – 10:30	M. FICHAUT - Introduction to the conference and practical information
10:30 – 11:10	**Coffee break + Posters - 1st set + Electronic posters - 1st set**
11:10 – 15:00	**SESSION 1 - DATA QUALITY ISSUES IN OCEAN SCIENCE** Chair person: ROBERT GELFELD Rapporteur: LOIC PETIT DE LA VILLÉON
11:10 – 11:40	**Keynote presentation:** S. MILLER - Rolling Deck to Repository (R2R): Automating Quality Assessment Across the US Research Fleet
11:40 – 12:00	G. MONCOIFFE - Outcome of IODE's first workshop on the Quality Control and Quality Assurance of Chemical Oceanographic Data Collections, Ostend, Belgium, 8-11 February 2010.
12:00 – 12:20	A. GEMMELL - A Prototype Database and Web Portal for Comparing Argo Delayed Mode QC with that of Operational Centres
12:20 – 14:00	**Lunch break**
14:00 – 14:20	W. BURNETT - U.S. Quality Assurance of Real-Time Ocean Data (QARTOD)
14:20 – 14:40	L. RICKARDS - SeaDataNet standards for quality control
14:40 – 15:00	J. FREDERICKS - Building SensorML Systems for Describing Ocean Observing Systems

15:00 – 17:35	**SESSION 2 - DATA CIRCULATION AND SERVICES IN OCEAN SCIENCE** Chair person: STATHIS BALOPOULOS Rapporteurs: ANGELO LYKIARDOPOULOS STEPHEN MILLER
15:00 – 15:25	**Keynote presentation:** G. MAUDIRE - SeaDataNet : Project objectives, achievements and future plans
15:25 – 16:05	**Coffee break + Posters - 1st set + Electronic posters - 2nd set**
16:05 – 16:20	S. CARBOTTE - The Rolling Deck to Repository Project: Transforming the United States Academic Fleet Into an Integrated Global Observing System
16:20 – 16:35	V.R. GUDIMETLA- Oceanographic Database System at NIO, Goa, India: Recent Improvements
16:35 – 16:50	J. POTEMRA - Data services for Pacific Island communities: developing the Pacific Integrated Ocean Observing System
16:50 – 17:05	K. STROKER - Archive and Access of Global Water-Level Data: from the Coast to the Deep-ocean
17:05 – 17:20	S. WOODRUFF - The JCOMM Expert Team on Marine Climatology: A Report from the Third Session
17:20 – 17:35	S. LEVITUS - World Ocean Database 2009

Tuesday 30 March 2010

09:00 – 12:40	**SESSION 2 Continued - DATA CIRCULATION AND SERVICES IN OCEAN SCIENCE** Chair person: STATHIS BALOPOULOS Rapporteurs: ANGELO LYKIARDOPOULOS STEPHEN MILLER
09:00 – 09:15	J.F. PIOLLÉ - NAIAD : a new advanced system to access satellite data
09:15 – 09:30	A. BARTH - A web interface for gridding and visualizing oceanographic data sets
09:30 – 09:45	R. KOTTMANN - The Genes Mapserver: A web based information system on microbial genes and genomes in the ocean
09:45 – 10:00	A. HUGUET - Quadrige2: Operational information system for French coastal monitoring
10:00 – 10:15	A. BONNAT - Data Centre for French Coastal Operational Oceanography: Metadata and data access
10:15 – 10:30	E. LEBLOND - The Fisheries Observatory of Ifremer - Monitoring network of fisheries resources, practices and economics

10:30 – 11:10	**Coffee break + Posters - 1st set + Electronic posters - 3rd set**
11:10 – 11:25	S. KAITALA - Alg@base: a tool for research, management and visualization of the Baltic Sea monitoring data
11:25 – 11:40	S. CLAUS - Development of a Marine Biological Data Portal within the framework of the European Marine Observation and Data Network (EMODNet)
11:40 – 11:55	K. DE CAUWER - Biobank: An integrated system to collect and publish marine mammals informations : in situ observations, necropsy results, tissue samples available for further scientific research.
11:55 – 12:10	H. GLAVES - Geo-Seas - a pan-European infrastructure for the management of marine geological and geophysical data.
12:10 – 12:25	S. PESANT - Establishing clusters of data providers to ensure sustainable access to quality data in ocean science: The case of the MAREMIP initiative
12:25 – 12:40	T. DE BRUIN - Freeing oceanographic and polar data through The Polar Information Commons
12:40 – 14:00	**Lunch break + preparation of poster display (2nd set)**
14:00 – 17:45	**SESSION 3 - INTEROPERABILITY AND STANDARDS IN MARINE DATA MANAGEMENT** Chair person: CATHERINE MAILLARD Rapporteurs: PAOLO DIVIACCO TACO DE BRUIN
14:00 – 14:25	**Keynote presentation:** R. PROCTOR - Information infrastructure for the Australian Integrated Marine Observing System
14:25 – 14:50	**Keynote presentation:** S. BELOV - OCEAN DATA PORTAL: Current status and interoperability with other ocean data systems
14:50 – 15:05	D. SCHAAP - SeaDataNet - Pan-European infrastructure for marine and ocean data management: Unified access to distributed data sets (www.seadatanet.org) – Technical Aspects
15:05 – 15:20	R. LOWRY - The Development of an Operational Vocabulary Server
15:20 – 15:35	R. WARD - IHO S-100 - the International data standard supporting marine and hydrographic data
15:35 – 16:15	**Coffee break + Posters - 2nd set + Electronic posters - 4th set**
16 :15 – 16 :30	J. GRAYBEAL - Interoperable Marine Data: Our Collaborative Future (BFF!)
16 :30 – 16 :45	M. OSBORNE - Interoperable Reference Information for Marine SDI
16 :45 – 17 :00	J. DE LA BEAUJARDIERE - US IOOS Interoperability and Standards

17 :00 – 17 :15	P. THIJSSE - "Ocean Scenario in HUMBOLDT project: The use of Data Harmonization tools in forecasting and handling marine oil spill events in Europe"
17 :15 – 17 :30	N. MICKHAILOV - Russian State System of Information on the Global Ocean: Status and Application of the System for Support of Marine-Related Activities
17 :30 – 17 :45	T. LOUBRIEU - MyOcean Information System : architecture and technical interfaces
20:00 – 23:00	**Cocktail Dinner at the Grande Galerie de L'Evolution**

Wednesday 31 March 2010

09:00 – 11:00	**SESSION 3 Continued - INTEROPERABILITY AND STANDARDS IN MARINE DATA MANAGEMENT** Chair person: CATHERINE MAILLARD Rapporteurs: PAOLO DIVIACCO TACO DE BRUIN
09:00 – 09:15	W. BURNETT - OceanSITES Data Management and Community Standards
09:15 – 09:30	M. TREGUER - Sextant: Marine Spatial Data Infrastucture
09:30 – 09:45	M. CALVERLEY - From Blue Skies to Blue Seas – Realising the benefit of interoperability and standards
09:45 – 10:00	A. ELLENBROEK - Building an e-Infrastructure for Capture Statistics and Species Distribution Modeling: the D4Science Approach
10:00 – 10:15	J. BARDE - A standards set to share biodiversity data related to fisheries
10:15 – 11:00	**Coffee break + Posters - 2nd set + Electronic posters - 5th set**
11:00 – 15:00	**SESSION 4 - EDUCATION IN OCEAN SCIENCE** Chair person: PETER PISSIERSSENS Rapporteur: GIUSEPPE MANZELLA
11:00 – 11:30	**Keynote presentation:** W. ROMMENS - The OceanTeacher Academy: training in support of marine data and information management worldwide.
11:30 – 12:00	**Keynote presentation:** J.N POUSSART and Y. BEAUDOIN - UNEP/GRID-Arendal's Marine Data and Information Management Systems: Meeting the needs of developing states
12:00 – 12:20	V. VLADYMYROV - New Type of the Ocean Data Management Training for Young Scientists: from Measurement to Product

12:20 – 14:00	**Lunch break**
14:00 – 14:20	R. SCHLITZER - Animated 3D Tracer Distributions for Ocean Education
14:20 – 14:40	J. PIWOWARCZYK - Consilience on the beach: inquiry-based educational programs on sandy beaches
14:40 – 15:30	Report by chair persons Main issues from Sessions, Posters and discussions
15:30 – 16:00	**Coffee break + Posters - 2nd set + Electronic posters - 6th set**
16:00 – 17:30	**ROUND TABLE ON "FUTURE PROSPECTIVE ON LINKING DISTRIBUTED MARINE DATA SYSTEMS"** Chair person: ROBERT KEELEY Rapporteur: LESLEY RICKARDS
16 :00 – 16 :30	**Keynote presentation:** R. KEELEY - Data Management Expectations from OceanObs'09
16 :30 – 17 :00	**Keynote presentation:** G. REED - Integration of Marine Meteorological and Oceanographic Observations into the WMO Integrated Global Observing System (WIGOS)
17 :00 – 17 :30	Round table Discussion
17 :30	**CONFERENCE CLOSURE**

POSTERS
(during coffee breaks)

FIRST SET

29 March 2010 10:30 – 11:10

29 March 2010 15:20 – 16:00

30 March 2010 10:30 – 11:10

SESSION 1 - DATA QUALITY ISSUES IN OCEAN SCIENCE

PANEL N°1	A. CASAS - Computing reference profiles of fluorescence to validate historical and incoming data
PANEL N°2	T. SUZUKI - Data Syntheis and Quality Control of Carbon and Relevant Chemical Parameters in the Pacific Ocean
PANEL N°3	P. ALENIUS - Integrated data management onboard R/V Aranda
PANEL N°4	L. RICKARDS - Global Sea Level Observing System (GLOSS) standardised quality control of sea level observations
PANEL N°5	M. MONTERO - Project RAIA. Towards a North Portugal - Galician Oceanographic Monitoring Network: Quality control data.
PANEL N°6	D. KASSIS - Operation and Data Management of the E1M3A integrated ocean observing system
PANEL N°7	R. COOPER - Producing a meaningful visualization of confidence for marine digital datasets.

SESSION 2 - DATA CIRCULATION AND SERVICES IN OCEAN SCIENCE

PANEL N°8	S. POULIQUEN - MyOcean In-Situ Thematic Assembly Centre : a new In-situ service for operational oceanography
PANEL N°9	V. SVALOVA - CASPINFO and Black Sea Scene projects and meta-data on environment
PANEL N°10	J. BERGER - HiSeasNet: Providing Internet services to the US Academic Oceanographic Fleet
PANEL N°11	N. BABA - Establishment of Clearing House System for Marine Information in Japan
PANEL N°12	C. COATANOAN-GIROU - In-situ delayed mode dataset at the Coriolis Data Center
PANEL N°13	S.D. KIM - Development of Korea Ocean Biogeographic Information System
PANEL N°14	C. SUN - Global Temperature and Salinity Profile Programme
PANEL N°15	O. SERGEYEVA - Establishing best practice for the digitization, documentation and dissemination of historical marine biological data at IBSS
PANEL N°16	I. GERTMAN - Multidisciplinary marine cast data management system for SESAME EU project

PANEL N°17   E. BRADSHAW - The European Sea Level Service delayed-mode tide gauge data portal

PANEL N°18   F. BLANC - MyOcean Marine Core Service

PANEL N°19   G. ZODIATIS - The Cyprus online data management tools for the Mediterranean and the Black Sea

PANEL N°20   A. GIORGETTI - EMODNET Chemical pilot, being implemented by using the SeaDataNet infrastructure

PANEL N°21   A. SMIRNOV - A regional oceanographic database for the Nordic Seas: from observations to climatic dataset

PANEL N°22   J. ORCUTT - Scalable Sensor Integration in the NSF Ocean Observatories Initiative (OOI)

PANEL N°23   C. TROUPIN - SeaDataNet regional climatologies: an overview

PANEL N°24   K. GORDON - Permanent Service for Mean Sea Level

PANEL N°25   P. WEATHERALL - Global Gridded Bathymetry Data - General Bathymetric Chart Oceans (GEBCO)

PANEL N°26   V. SOLOVYEV - The data warehouse OceanDB.

PANEL N°27   L. PETIT DE LA VILLÉON - Data Circulation and data management of Sea Surface Salinity Data : the GOSUD project -Global Ocean Surface Underway Data Pilot Project-

PANEL N°28   D. ALLISON - The Geospatial Interface to the Biological and Chemical Oceanography Data Management System

PANEL N°29   W.B.F RYAN - Experience in Delivering and Consuming Web Services for Oceanographic, Geoscience and Environmental Data Using a Virtual Globe

PANEL N°30   Y. DGEBUADZE - Representation biodiversity and bioresources information for marine data centers

PANEL N°31   R. LISOVSKY - GIS database as the basis for establishment of a Marine Protected Area (MPA) The Small Phyllophora Field in Karkinits'ka Gulf, Black Sea, Ukraine

PANEL N°32   D. CLARK - R2R: Managing Dataflow from a National Fleet of Research Vessels

PANEL N°33   S. DE CARLO - APDRC: Providing web services for climate data and products

SECOND SET

30 March 2010 15:35 – 16:15

31 March 2010 10:15 – 11:00

31 March 2010 15:30 – 16:00

SESSION 2 - DATA CIRCULATION AND SERVICES IN OCEAN SCIENCE (Continuation)

PANEL N°1	L. RICKARDS - POGO International Research Cruise Information System
PANEL N°2	L. RICKARDS - Initial Progress in Developing the new ICSU World Data System (WDS)
PANEL N°3	S. LIU - Establishment of a National Oceanographic Database and Information System in Taiwan
PANEL N°4	C. TRONCONI - The CNR-ISAC informatic infrastructure for the Climatological and Oceanographic data production, validation and sharing, based on open-source technology in a Grid environment.
PANEL N°5	M. VINCI - Real-time collection of several marine data types by automatic population of relational databases, granting interoperability and resilience.
PANEL N°6	R.V. SHESU - A Web-GIS Interface for an Integrated In-situ Ocean-Data and Information System
PANEL N°7	K. BLACHOWIAK-SAMOLYK - The value of web-based plankton atlasses: experiences with halocyprid ostracods4
PANEL N°8	R. MATEESCU - Marine Data Management in NIMRD Constanta Romania; its relationship with Marine GIS database in support of data access and sustainability, at national level
PANEL N°9	A. BARKAI - A complete data recording and reporting system for the EU commercial fishing fleets
PANEL N°10	A. BARKAI - The deployment of cutting edge data logging and data management technology for seabird conservation: A Case Study
PANEL N°11	D. IVANKOVIC - Sea bathing water quality on beaches in the Republic of Croatia - web application
PANEL N°12	K. TIKKA - Scientist's desktop tool (SDT) - a system for integrating scientific data from many databases
PANEL N°13	G. PERNOT - The software architecture of PyCTOH: an on-line data distribution system for altimetry applications
PANEL N°14	S. ALMEIDA - Data validation: The MONICAN experience
PANEL N°15	V. DADIC - Determination and web presentation of water types in Croatian part of the Adriatic Sea
PANEL N°16	M. ALEXANDRI - A relational database for high resolution multibeam bathymetry sets
PANEL N°17	M. WICHOROWSKI - Data center from scratch - Integrated Ocean Data and Information Management System (ZSPDO)
PANEL N°19	A. BENAZZOUZ - A relational spatial oceanographic database interfaced web for the moroccan Atlantic coast
PANEL N°33	C. BORREMANS - Rescuing historical marine data and making them accessible: the case of data collected during the first years of modern oceanography in Belgium

SESSION 3 - INTEROPERABILITY AND STANDARDS IN MARINE DATA MANAGEMENT

PANEL N°20   G. BREITBACH - Data Management in COSYNA

PANEL N°21   G. KORTCHEV - The adoption of SeaDataNet VI technologies, standards and tools by the National Institute of Meteorology and Hydrology, Bulgarian Academy of Sciences

PANEL N°22   E. VYAZILOV - Modern approaches to metadata development

PANEL N°23   M. CHARLESWORTH - Derivation of Standards for the UK Marine Environmental Data and Information Network (MEDIN)

PANEL N°24   S. CLAUS - The VLIMAR Gazetteer: a standard for marine geographic features

PANEL N°25   S. SMITH - The Shipboard Automated Meteorological and Oceanographic System (SAMOS) Initiative Data Management System

PANEL N°26   D. SCHAAP - European Marine Observation and Data Network (EMODNET) – Pilot portal for Hydrography

PANEL N°27   A. LYKIARDOPOULOS - Online services quality monitoring in the framework of SeaDataNet Project

PANEL N°28   C. CHANDLER - Shipboard Data Stewardship: from Ship to Shore to Archive

PANEL N°29   A. GEMMELL - Visualising and comparing distributed coastal oceanography model and in-situ data using standards-based web services

PANEL N°30   C. SATRA LE BRIS - Recopla : Data inventory and data management for marine geoscience data on the french continental shelf

PANEL N°31   K. LEHNERT - The International Geo Sample Number as a Global Standard for Sample Identification

ELECTRONIC POSTERS
(during coffee breaks)

SET 1
29 March 2010 10:30 – 11:10

	TV 1	TV 2
10:35 – 10:45	A. OSTROVSKII - Data processing and quality control for the autonomous ocean moored profiler AQUALOG (Session 1)	E. GODIN - Quality check software for oceanographical data (Session 1)
10:45 – 10:55	A. KUZNETSOV - Deriving of oceanographic parameters ranges for the data quality control from the climatological frequency distribution (Session 1)	M. OUBERDOUS - Mediterranean and Black Sea Stabilized Temperatures and Salinity gridded Climatology (Session 1)
10:55 – 11:05	K. BILASHVILI - Quality control of sampling and measurements at field researches (Session 1)	S. SCORY - Salinity and temperature climatologies of the North Sea using the Variational Inverse Method (Session 2)

SET 2
29 March 2010 15:20 – 16:00

	TV 1	TV 2
15:25 – 15:35	S. OLSHTYNSKYI - Digitizing and archiving former marine data from paper media (Session 2)	I. VAN DEN BROEK - Data Management for IPY in the Netherlands (Session 2)
15:35 – 15:45	L. BAT - Towards to marine informatics network; a case study from Turkish Black Sea Coast within upgrade BLACK SEA SCENE Project (Session 2)	E. ZHUK - Organization of data and information access via local network and via Internet in Marine Hydrophysical Institute (Session 2)
15:45 – 15:55	M. KORNILOV - Current system of environmental monitoring data collection, processing and holding at the Danube Hydrometeorological Observatory (Session 2)	A. KOBELEV - Increase of efficiency of use distributed ESIMO data (Session 2)

SET 3

30 March 2010 10:30 – 11:10

	TV 1	TV 2
10:35 – 10:45	W. KRZYMINSKI - Recent development of the data base for the Ferry-Box data collected by IMWM (Session 2)	D. KASSIS - Building a harmonized in situ Data Management System for the Mediterranean Sea (Session 2)
10:45 – 10:55	S. IONA - Implementation of DIVA 4D Version in the Mediterranean Sea (Session 2)	T. DE BRUIN - NODC-i - National Infrastructure for Access to Oceanographic and Marine Data and Information in The Netherlands
10:55 – 11:05	T. KÕUTS - Development of operational sea level monitoring and forecast system on Estonian coast, the Baltic Sea (Session 2)	K. TIKKA - Alg@line/ALG@BASE - flow of monitoring data from observations to data products (Session 2)

SET 4

30 March 2010 15:35 – 16:15

	TV 1	TV 2
15:35 – 15:45	A. STEFANOV - Data Acquisition from Heterogeneous Instruments - A Centralized Approach (Session 2)	L. PETIT DE LA VILLEON - SISMER activities: The French NODC -National Oceanographic Data Centre (Session 2)
15:45 – 15:55	A. PALAZOV - Bulgarian Port Operational Marine Observing System (Session 2)	A. SOKOLOV - Online trend analysis using R in Nest – a decision support system for nutrient reduction in the Baltic Sea (Session 2)
15:55 – 16:05	C. TROUPIN - GODIVA: a 4-dimension implementation of DIVA (Session 2)	T. KÕUTS - Use of light on-line GPS drifters for surface current and ice observations, related services (Session 2)

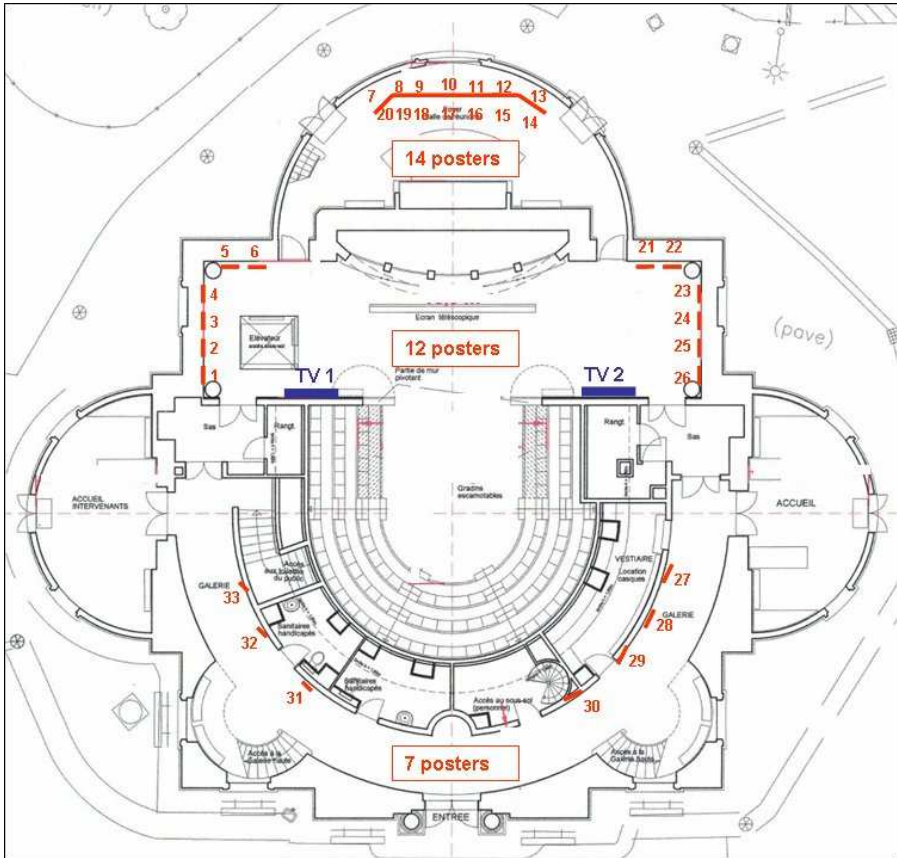| SET 5	
31 March 2010 10:15 – 11:00	
	TV 1	TV 2

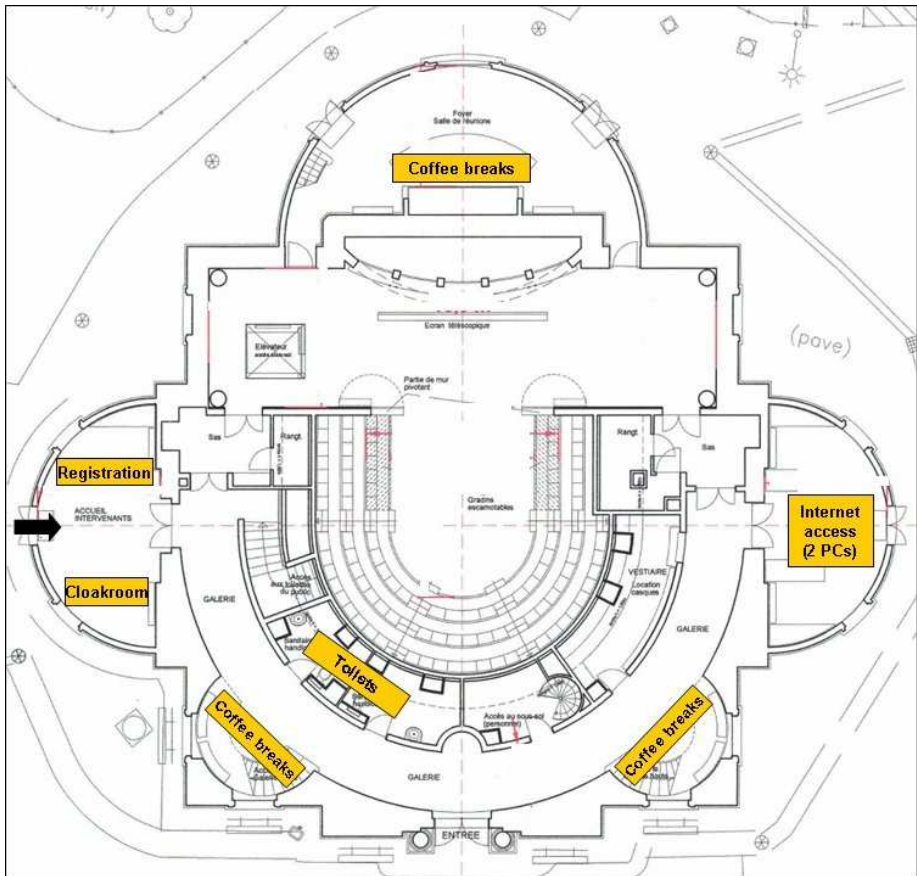|	TV 1	TV 2
10:20 – 10:30	M. NOKIN - Eurofleets european FP7 project (Session 3)	P. DIVIACCO - A new impetus to International initiatives in Seismic data dissemination: The opportunity of the EC FP7 Geo-Seas project (Session 3)
10:30 – 10:40	A. FEDORTSOV - Optimization of operation with databases an example of centre ESIMO (Unified State System of Information for World Ocean conditions) (Session 3)	D. SCHAAP - A changing landscape: The special case of the neighbouring BLACK SEA countries (Session 3)
10:40 – 10:50	K. BELOVA - ESIMO Service Bus as a unified tool to access the SOI ESIMO web-services (Session 3)	R. PONCE URBINA - Marine Spatial Data Infrastructure: GIS for a Blue Planet (Session 3)

SET 6	
31 March 2010 15:30 – 16:00	

	TV 1	TV 2
15:35 – 15:45	A. ASAVIN - The development of the seamounts relief metadata standard (Session 3)	S. PESANT - Linking data from the point of sample collection in the field using barcoding systems: The case of the Tara-Oceans initiative (Session 3)

Location map of poster panels and TVs

ORGANIZING COMMITTEE

Michele Fichaut – France
Vanessa Tosello – France
Sissy Iona – Greece
Giuseppe M.R. Manzella – Italy
Gilbert Maudire – France
Loic Petit de la Villéon – France
Peter Pissierssens – Unesco
Lorenza Saracco – EU
Dick Schaap – The Netherlands

INTERNATIONAL SCIENTIFIC COMMITTEE

Jean-Marie Beckers – Belgium
Michele Fichaut – France
Sissy Iona – Greece
Robert Keeley – Canada
Giuseppe M.R. Manzella, Italy
Stephen Miller – USA
Peter Pissierssens – IOC Unesco
Lesley Rickards – UK
Reiner Schlitzer – Germany
Vanessa Tosello – France
Efstathios Balopoulos – Greece
Vittorio Barale – EU
Margarita Gregg - USA
Sidney Levitus - USA
Catherine Maillard – France
Gilbert Maudire – France
Nickolay Mikhailov – Russia
Friedrich Nast – Germany
Nadia Pinardi – Italy
Helge Sagen – Norway
Lorenza Saracco - EU
Dick Schaap – The Netherlands
Marina Tonani – Italy