

## **Data Management Part (chairs: S.Pouliquen, B.Burnett)**

### **A-1 Examination of the DAC/GDAC structure and implementation**

- Rapid reminder of the Role of the different component of OceanSites actors that we agreed at last meeting for new comers ( Pouliquen)
- Coriolis GDAC Status (lead: Aurélie Briand)
- Introduction/Overview of NDBC (current activities, experience, capacity) (Burnett)
- NDBC as OceanSITES GDAC: proposal/role/synergy with Coriolis and with other NDBC activities (lead Burnett)
- DAC activities/status ( see 2006 commitment) (lead Pouliquen)
- Discussion of data distribution system/architecture (ftp, web, distributed) (lead Pouliquen)
- Discussion and agreement on data delivery times/delays (related to Data Policy agenda item)

### **A-2 Consensus of OceanSITES Data Holdings – Who are the OceanSITES that the GDACS must concentrate on?**

- Current data providers – data sets and distribution policies (current = last two months)
- Former data providers – data sets and distribution policies (former = last year)
- Delayed-Mode data providers – data sets and distribution policies (data sets that are not “real-time.”)

### **A-3 Revise Product Format description**

- Summary of the questions/proposed changes from DACs, GDACs, operators (lead Matthias Lankhorst )
- Site and Station catalogue (Aurélie Briand )
- Proposal for Metadata description (lead: Maureen Pagnani and John Graybeal)
- Agreement on data format and parameter changes (lead: Aurélie Briand)
- Holding back of data to prevent use in NWP (lead GalbraithReal-Time QC)
- Proposal for Real-time QC of physical/met variables ( Paul Freitag & al)
- Discussion of realtime QC for biogeochemical variables (lead Dickson)
- Agreement on common procedures (lead Pouliquen)

### **A-4 Adaption of GDAC Data Handbook**

and recommendations for standardization policies for OceanSITES data

### **A-4 Delayed Mode QC (together with Steering Committee)**

- Delayed-mode QC approaches for physical/met variables (lead Freitag)
- Delayed-mode QC approaches for biogeochemical variables (lead Church)

### **A-5 Other quantities (overlap topic with Steering Committee)**

- Geophysical, acoustic, image data, etc (lead Orcutt)

### **A-6 Data Policy (overlap topic with Steering Committee)**

- Review of CLIVAR data policy and adoption/modification by OceanSITES (lead Send)
- commitments by members to provide data and make them flow.

### **A-8 Wrap-up and Actions. S Pouliquen**

## **Steering Committee Part (chairs: U.Send, R.Weller)**

### **B-1 Users, synergy, products (overlap topic with Data Team)**

- interaction with the wave obs community, sharing of platforms ? (lead Weller)
- interaction with biogeochem community (lead Wallace)
- identification of users and customers. How can they be reached with a functioning data system ? (lead Chavez)
- products and indicators from OceanSITES (lead Lankhorst)

### **B-2 Homogenizing the system**

- how to make measurements (variables) and hardware more comparable and standardized ? (lead Lampitt)
- Cost of adding microcats or gliders everywhere to assure some comparable measurements (lead Send)
- Can ALL/MANY of the sites measure velocity in the same way/at same depth, to satisfy some needs/requirements/recommendations from the GSOP velocity workshop (e.g. intercomparison with drifters with drogues at 15m) ? (lead Nittis)
- Components of our system – e.g. cable measurements ? (lead Send)

### **B-3 Organization**

- review our new "project office" support and associated tasks and opportunities (lead Viola)

### **B-4 Proposals and funding**

- consortium proposal coordinated across countries ? (lead Weller)
- POGO request to estimate cost of OceanSITES system (lead Knap)
- can some countries/agencies fund/operate the platforms and invite others to add equipment/shiptime ? (lead Lampitt)

### **B-5 Housekeeping**

- preparations for OceanObs09 (lead Weller)
- Endorse joint sponsoring of Carbon Timeseries Workshop with POGO (lead Send)
- Membership

## 2006 Data Team Decisions

### ***Dacs commitments***

- 1 PMEL : ok to provide KEO & then TAO/Pirata data in OceanSITES format
- 2 MBARI OK to provide some of the MBARI data in OceanSITES format
- 3 CDIAC OK to provide CO<sub>2</sub> data in OceanSITES format
- 4 UCSB ok to provide some of the data in OceanSITES format (BTM)
- 5 LOCO : willing to provide some of the data in OceanSITES format
- 6 CCHDO: could provide ship occupied CTD repeated stations. Will provide tool to convert WOCE format hydrographic data into OceanSITES format
- 7 Jamstec: while their system is set up will provide Triton data in OceanSites format. in 2007
- 8 NOC: need to include ADCP and current meter data plus biogeochemical data ... Will continue to provide Animate data via Coriolis
- 9 HAWAII: HOTS: CTD data , WHOTS mooring with/via WHOI ( RT and DM)
- 10 WHOI : has already started and will continue
- 11 BATS : CTD data like for HOTS
- 12 IPRC: Can Act like a DAC for some orphan OceanSITES locations. IPRC will pursue work on DAPPER and LAS to give visibility of the network..

### ***Action OceanSITES steering team to identify orphan sites to be processed by IPRC***

### ***GDACs who promised to set up GDAC***

- 13 Coriolis volunteers to host one of the GDAC
- 14 NOAA is interested in hosting one GDAC in 2007, decision to come in October. MBARI may study the possibility to host a GDAC

## 2006 Data Team Actions

Number	Action	Who	When
1	Update the OCEANSITES User Manual	T Carval	01/03/2006
2	Define the Site Catalogue and assign unique Site codes to each of them	T Carval + Steering Team chairs	15/04/2006
3	Define the Station Catalogue and the process to assign a unique code to a new station	T Carval and S Pouliquen	15/04/2006
4	Refine real-Time QC procedure and Flag assignation	PMEL MBARI CORIOLIS NOC JAMSTEC	15/06/2006

5	Complete the User Manual with codification for the parameter identified as first priority section 6	T Carval & N Galbraith	15/04/2006
6	Refine GDAC FTP organization	T Carval & S Pouliquen	15/06/2006
7	Keep OCEANSITES DM team inform of relevant information from MMI project	J Graybeal	Continuous
8	Propose a format for metadata ( study SensorML)	M Edwards & J.Graybeal	30/06/2006
9	Test Dapper and MMA technology and advise OceanSITES DM team on possible utilization	IPRC	Next meeting
10	Dacs to provide their data in OceanSITES format according to commitment provided in section 5	ALL	30/06/2006
11	Implement First GDAC	Coriolis	30/06/2006

## 2006 Steering Committee Actions

1	Assign names for sites that are independent of project names and that can include several stations, operators, platforms (e.g. "Bermuda", "Irminger Sea", etc)	Steering Committee	ongoing
2	to identify which stations are part of OceanSITES and part of which site (for assigning station ID by GDAC)	Steering Committee	ongoing
3	Provide some timeseries data in the OceanSITES format	PMEL, MBARI, CDIAC, UCSB, NIOZ, CCHDO, NOC, HAWAII, WHOI, Bermuda	2006
4	Identify orphan sites that are in need of a DAC	Steering Committee	Ongoing
5	Some data to GDACS before summer	NOC, WHOI, UCSB	summer
6	Provide tools to convert ship-based timeseries data into OceanSITES format	CCHDO	summer
7	Adjust maps with new codes and colors, updated site information	Chairs with U.Neumann	Summer, ongoing
8	Make agreed changes to website listed in section 2 and section 4.1	WHOI	summer
9	Explore funding for Data Team	All	2006
10	volunteer as / propose data team co-chairs	All	2006
11	finalize brochure with input received, circulate a near-final version, get it printed	WHOI	summer
12	Collect material for publicly useable presentation, about OceanSITES, technologies,	Chairs with input from all	2006

	timeseries examples, data management, etc		
13	prepare updated version of white paper with new maps and tables	U.Send	Summer, ongoing
14	Implement counting of existing/target number of sites, percent completion, separately for operational tropical and remaining OceanSITES sites	Chairs with U.Neumann	ongoing
15	Explore private foundation funding for OceanSITES	All	ongoing
16	define scientific goals of system and needs of other users, and measure how system is responding, how/by whom are data used.	Steering Committee	2006
17	compare timeseries with climatologies, construct (climate) products.	Steering Committee	2006
18	Interact with JCOMM/DBCP to clearly establish role of OceanSITES	Chairs	2006
19	Work with IOC (B.Lee) and POGO to insert OceanSITES into GEO documents.	Chairs	2006
20	Approach other projects like IMBER, GODAE, tsunami, etc once brochure, website, white paper ready and data available.	Steering Committee	2006
21	Explore project office options after JCOMM/NOAA meeting about future JCOMMOPS needs and support.	chairs	summer
22	Document requirements and procedure on website for sites to be added to system/maps	chairs	2006
23	Update and expand memberships	chairs	summer