

**Note for SCOR meeting, London, Dec 7-9, 2006  
Input from iAnZone**

***Data Management Discussion***

1. Please present the status of your project in terms of management of data and/or metadata. Three projects--GEOTRACES, IMBER, and SOLAS--have been asked to make oral presentations about the status of their data management activities, but it would also be helpful to have written statements from other projects.

**CLIVAR have agreed to manage the iAnZone data (both historical and ongoing) and we are encouraging iAnZone members to submit any data in the Antarctic Zone to the CLIVAR Data Assembly Centres (DACs). There are DACs for hydrographic, ADCP, LADCP, mooring and underway data. In many cases, submission to CLIVAR is done alongside (or via) submission to national oceanographic data centres.**

**Most iAnZone data are distributed via national data centres. Investigators are encouraged to contribute to the Antarctic Master Directory (AMD) by the National Antarctic Data Centres (NADCs).**

2. Has your project done anything to encourage visualization of project data?

**No**

3. Is your project keeping track of project cruises and collecting any information about the cruises?

**Yes, both via the iAnZone website, which has links to cruises, and via submission to AMDs and CLIVAR. For example, Mike Sparrow is collating information about Southern Ocean cruises, including iAnZone projects, and displaying this on a very useful planning website. We are regularly urging people to send information in to Mike (not always successfully since everyone is very busy!).**

4. Has your project discussed data archiving with a World Data Center yet and/or involved in WDC staff in your data management discussions?

**Yes, though CLIVAR's Data Centre and Data Policy ([http://clivar.org/data/data\\_policy.php](http://clivar.org/data/data_policy.php))**

***GOOS Discussion***

1. Does your project have ongoing interactions with GOOS?

**Our group contributes with recommendations for the envisioned Southern Ocean Observing System plan, a direct contribution to GOOS, through the CLIVAR Southern Ocean Panel and the SCAR Southern Ocean Expert Group. We feel that these bodies are more appropriate to interact directly with GOOS; our interests and contributions can be well channelled through these bodies.**

2. Have you had any GOOS scientists or staff attend a project SSC meeting, or have any project SSC members or IPO staff participated in a GOOS meeting?

**Members of the iAnZone community have probably participated in GOOS meetings but not as representatives of iAnZone. We do not have an SSC and therefore do not have SSC meetings, but we do have biennial iAnZone meetings, and also project workshops. I am not aware of any GOOS scientists attending these.**

3. Do you have a link to any element of GOOS on your project Web site?

**Not yet.**

4. Has your SSC discussed what is, or will be, available from GOOS and other observing systems?

**Not yet, but we are actively involved in designing elements of the Southern Ocean Observing System.**

5. Has your SSC identified any specific GOOS observations to which your scientists would like access?

**Apart from Argo, which is openly accessible, we are not aware of any GOOS observations in the Antarctic Zone; this is why we are actively involved in designing elements of the Southern Ocean Observing System.**

6. What research observation systems would your project like to see become operational?

**Under ice version of Argo floats. This will make a huge difference by providing data beneath the sea ice in the Antarctic winter.**

#### *Time-Series Stations*

1. Will implementation of your project require observations from time-series stations? If so, in what locations?

**Partially yes, we contemplate the long-term monitoring of certain parameters at specific sites along the Antarctic continental margin to be one of the legacies of IPY projects endorsed by iAnZone investigators, specifically those involved in SASSI and CASO. In the shorter term, we already plan a number of moorings arrays around Antarctica during IPY (2007-2009) which are currently being reviewed for funding in a number of countries.**

2. How will such stations be supported?

**We don't know yet, but most likely through national agencies.**

3. Has your project identified time-series sites (either existing or new) that are a priority for achieving project goals?

**We will address the issue of ideal locations for long term time series during the analysis phase of IPY projects like SASSI and CASO, at joint workshops proposed to take place in 2009. In the shorter term, we already plan a number of moorings arrays around Antarctica, which are currently being reviewed for funding in a number of countries.**

#### *Southern Ocean Research and Observations*

1. What activities has your project undertaken or planned for the Southern Ocean? Have you coordinated your Southern Ocean research with other projects?

**All iAnZone projects are in the Southern Ocean. Past projects include Ice Station Weddell, AnzFlux, DOVETAIL. Projects still in analysis phases include ISPOL and AnSlope. The project about to start is SASSI.**

**We have coordinated our Southern Ocean research with WCRP, CLIVAR, CliC, SCAR.**  
[http://www.clivar.org/organization/southern/SCAR\\_SCOR/index.htm](http://www.clivar.org/organization/southern/SCAR_SCOR/index.htm)

Do you have any special plans for the 3rd International Polar Year in 2007-2009 or later?

**We are involved in two IPY cluster programmes, and iAnZone is leading one.**  
**SO 8, Synoptic Antarctic Shelf-Slope Interactions (SASSI), K. Heywood, AGCS**  
**SO 132, Climate Southern Ocean (CASO), S. Rintoul, AGCS**

2. What is the status of planning and funding for your project's Southern Ocean cruises, observations, and experiments?

**We hope to have at least 12 hydrographic programmes, funded by various national agencies. In addition we hope to have some year-long moored arrays on the Antarctic continental shelf and slope, under review.**

#### *Education and Capacity Building*

1. What activities, plans, and ideas does your project have in relation to education and capacity building?

**iAnZone follows SCAR's capacity building education and training plan. Available from <http://www.scar.org/about/capacitybuilding/>**

3. How are you funding your education and capacity-building activities?

**We have no central administrative support therefore all iAnZone efforts are undertaken by individual scientists with national support.**

#### *Satellite Availability and Needs*

1. Is your project using satellite data or does it plan to do so?

**Yes**

2. Which satellite observations are most crucial for your project to meet its goals?

**Sea surface height (altimetry), wind fields (scatterometry), sea ice (microwave, altimeter, SAR), ocean colour, iceberg tracking (SAR).**