



NSW IMOS (SEA-MOS) Update SAC Meeting Thursday 8th November 2007

NSW IMOS Node

- On November 20th Jo Neilson Executive Officer meeting and the new Executive Assistant Dr. Marian McGowen will visit at SIMS.
- Paul and Mark have discussed putting in place an annual report for NSW IMOS. This will be completed by all NSW IMOS facilities and presented to the SIMS Board in December or January each year. It will be based closely on a report currently being produced by the NSW mooring sub-facility for IMOS. Please see attachment 1 - *NSW Mooring Sub-facility 2007 Report TOC*.

AUV Update

- 3 week cruise undertaken in September/October 2007 on the Southern Surveyor to study evolution of drowned shelf edge reefs in the GBR with AIMS completed.
- 4 main sites of study - Mackay, Townsville, Cairns and Cook Town
- Proposals have been submitted from the Marine Science Community for further deployment opportunities of the AUV including:
 - Surveys of MPAs in NSW (DECC)
 - Population census of sea cucumbers at OTI (USyd)
 - Modelling wake dynamics in the lee of islands (UNSW)
 - Canyon surveys off the GBR and SA (JCU and SARDI)
 - Documenting ship wrecks in deep waters (SARDI and Heritage Office)
 - Repeat surveys of Scott Reef WA (AIMS)
 - Roman wrecks in the Bay of Naples (WHOI)
 - Locating Chinese Treasure Fleets off the coast of Oman (joint Australian, Chinese, Omani proposal)
- Employment of a full time TO for the AUV facility nearly completed. It still has not been decided whether the TO will be employed under Syd Uni or SIMS.





Moorings Update

- Hoping to order mooring equipment/instruments needed for deployment next year late November/early December this year due to lead times.
- Revisit of science plan due to the effects on surface moorings of stronger than anticipated currents off east coast.
- Currently finalising a new scope of works and updated science plan. This will be included in a report that will be sent to IMOS at the end of December.

AATAMS Update

- Vemco equipment has been received (215 receivers, 100 temperature loggers, test tags).
- Charlie Huveneers has attended Ocean Tracking Network (OTN) workshop in Canada about data management and inter-operability between the different regions and nodes of OTN. Charlie also visited Vemco while away and met with several Vemco staff including the CEO.
- AATAMS decided on the allocation of the floating receiver pool (12 in Tas, 14 in Qld, 3 in NSW, 6 in WA) and has sent the receivers to these locations. Receivers are currently being deployed.
- Charlie is currently away helping with the first NSW IMOS deployment, AATAMS receivers off Ningaloo Reef (as part of the Ningaloo Reef Ecosystem Tracking Array).
- The Vemco/AATAMS workshop has also been organised and is taking place 21-23 November.



Attachment 1 - *NSW Mooring Sub-facility 2007 Report TOC.*
NSW IMOS Mooring Sub-Facility

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