1) **Workshop Title**: UNOLS Chief Scientist Training Workshop(s)

2) **Dates**: 4 days in September 2011

3) **Organizers**: Members of UNOLS Fleet Improvement Committee and RVTEC

4) **General Objectives and Justification**:

The University National Oceanographic Laboratory System (UNOLS) is an organization of 61 U. S. institutions that have academic research and education programs in the ocean sciences and an interest in promoting the best possible national shared use facilities to support these programs. One of the stated roles of UNOLS is to serve as a coordinator or facilitator of community-wide efforts directed toward scheduling, access, and improvement of existing facilities, and planning for future facilities. Two principal concerns of UNOLS today are **(1) young investigators, especially those from non-operating laboratories, need opportunities to learn how to gain access to ship time and what ships offer for specific types of research, (2) running a successful research cruise requires leadership and communication skills and knowledge of Chief Scientist responsibilities. These are best taught by example.**

The UNOLS Chief Scientist Training Workshop (CSTW) will serve as a major forum for teaching young scientists how to effectively plan for, acquire, utilize and report on time at sea for academic research and education.

5) **Logistics and Participants:**

The first CSTW will be held at Oregon State University's Hatfield Marine Science Center in Newport, OR. Up to 14 workshop participants and four instructors (two Senior Scientists and two Marine Technicians) will be housed aboard the *R/V Wecoma*. A teaching lab and/or the HMSC library seminar room will be used for some training sessions. The OSU Marine Superintendent will also take part.

Participants will apply ahead of time. Preference will be for junior faculty, postdocs and PhD students from UNOLS institutions who can describe a future need for UNOLS facilities and whose present research

Comment [H1]: Multiple workshops could be organized. These could be by region and/or by discipline. Depends on demand.

Comment [H2]: This would be for the first workshop

Comment [H3]: Need to consider what is the ideal number to maximize learning and participation.

Comment [H4]: Perhaps best if from different institutions to give a broader perspective

Comment [DS5]: We would need to make sure we (Wecoma crew and techs) were prepared for this.

can take advantage of the training cruise. Participant costs will be fully supported.

6) Program Format:

Day 1:
Introduction to UNOLS, the shiptime request system, the process of ship scheduling.

Research Vessel tour emphasizing ship's equipment, navigation, communications, vans, science work spaces and specialized equipment.

Session on securing equipment, deck safety and crane hand signals.

Session on pre-cruise planning.

Assignment 1: Participants will navigate through the UNOLS ship request system and submit a request for research in 2013.

Days 2 and 3 (at sea):
Session on chief scientist responsibilities during the cruise, and communication with ship's master, marine technician.

A cruise plan that was developed by the instructors will then be executed. Participants will provide support to assigned tasks. Whenever possible samples and data will be preserved for actual use by the participants.

Assignment 2: Participants will be asked to keep a log of cruise events, how long certain research activities took, and how well planning was communicated and followed. They will be asked questions that force them to consider different approaches to cruise planning and when and why some approaches are more effective.

Day 4:
Post-cruise obligations, offloading, clean-up, reporting.

Assignment 3: Each participant will submit a PCA.

7) Workshop Assessment and Follow-up:

Comment [H6]: The organizers will provide seagoing equipment and also invite the participants to request specific operations as part of the application process.

Comment [DS7]: Good idea. We could put a range of different equipment on. Coring, Nets, mooring. Go over ship communication protocol, basic radio protocol, sat and internet system etc. etc. There could be a lot in this statement. Need to have a short list of items to cover.

Comment [H8]: Is 2 days enough time?

Comment [DS9]: I think so. If you do longer I think there will not be the number of people interested. Do you see this as being an over night thing? With 14 and a tech or two that makes for a rather full boat. These days would be good to have some examples of how this is done well and ways that can make things difficult.

A Participant questionnaire will be developed.

UNOLS office will track if participants submit shiptime requests and serve as chief scientists for real.

Community demand for future workshops.

From Daryl Swensen: This is a great idea. I think this would also be a great learning experience for the tech group and ship. This would show some items that we could be doing to help the process of new PIs getting the most out of our services. I would love to help with this. It would be good to sit down with the organizers and talk though what we think is the most efficient/best/likely of success/ way of doing a cruise from cradle to grave. Each one is different and many cruises are executed successfully in many different ways.