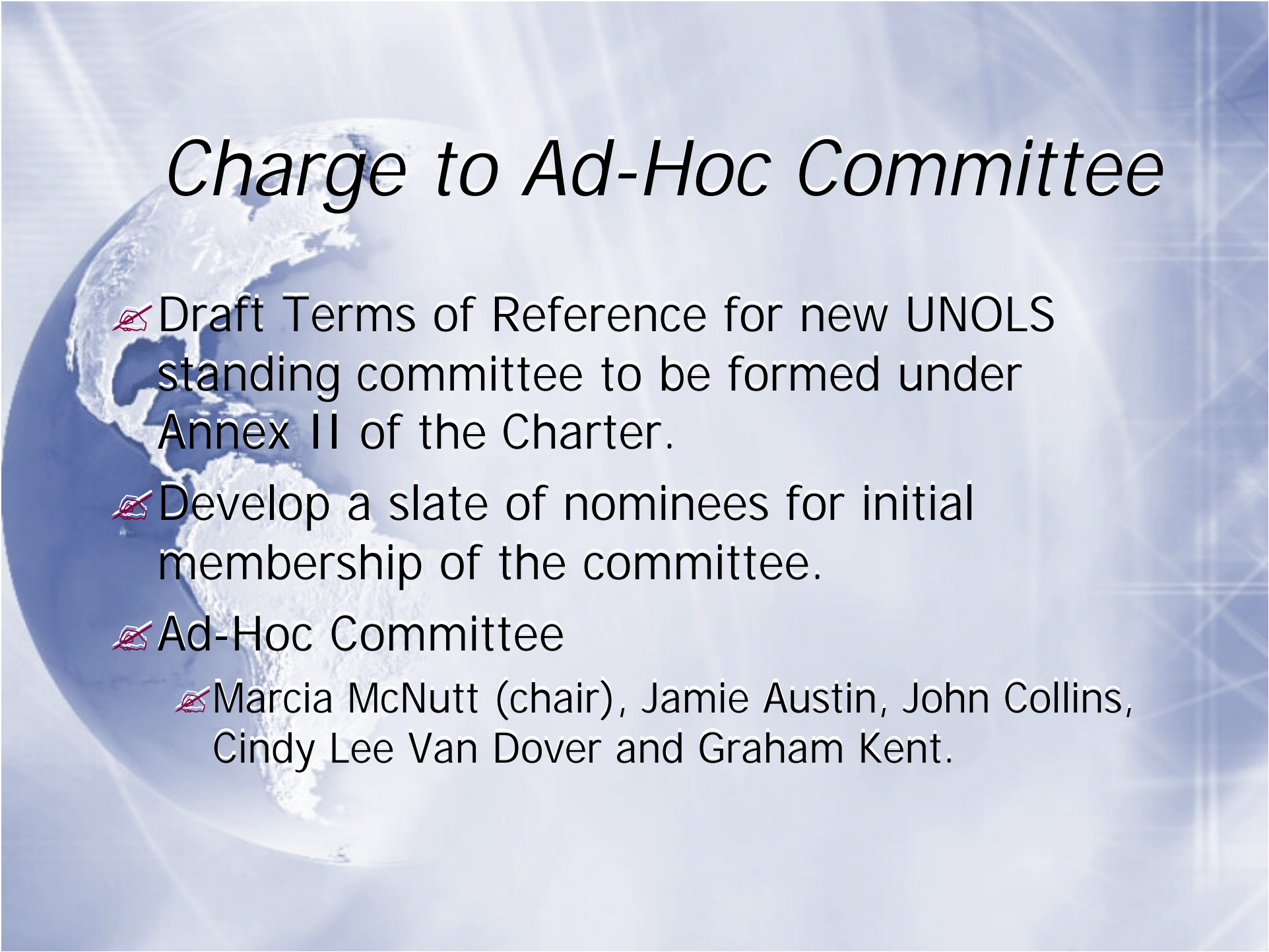




Marcus Langseth Science Oversight Committee (MLSOC)

*New UNOLS Committee to oversee
Science and Ship Operations for a
National Oceanographic Seismic Facility*



Charge to Ad-Hoc Committee


- ✍ Draft Terms of Reference for new UNOLS standing committee to be formed under Annex II of the Charter.
- ✍ Develop a slate of nominees for initial membership of the committee.
- ✍ Ad-Hoc Committee
 - ✍ Marcia McNutt (chair), Jamie Austin, John Collins, Cindy Lee Van Dover and Graham Kent.

Background

- ✍ LDEO acquired commercial 3D seismic vessel, renamed the *R/V Marcus Langseth*
- ✍ A *Ewing* Replacement Oversight Conversion Committee (EROCC) is providing science and operator input to the conversion process.
- ✍ The *Langseth* will be operated as a UNOLS National Oceanographic Facility
- ✍ The science community and NSF desire a “DESSC like” oversight committee that would provide advice to LDEO and the funding agencies regarding the operation of this facility.

Terms of Reference

Introduction and Purpose of MLSOC


 *Langseth unique capabilities for 3D and 2D seismic reflection as well as support for other MG&G and Oceanographic field work.*

Charge to MLSOC


 Overseeing the scientific operation of the *Marcus Langseth* as a National Oceanographic Facility.

 fulfill an ombudsman role for all scientific groups in need of high-quality geophysical images, with the goals of providing

 state-of-the-art seismic acquisition capabilities,

 lowering the threshold of expertise needed to use the facility,

 and increasing the quality and accessibility of archived data.

 Maintaining and enhancing the *Langseth's* capabilities for general geophysical and oceanographic research

Introduction (cont.)

- ✍ MLSOC will provide advice and input on the annual and long term scheduling of the *Langseth*, but will not do the actual scheduling. Coordination with OBS and PASSCAL facility scheduling.
- ✍ Identify and recommend hardware and procedure upgrades to keep the facility at the cutting edge of exploration capability.
- ✍ Encourage geophysical research worldwide and encourage the advancement of cooperative international programs.



Authority

- ✍ Establish Committee under Annex II of the UNOLS Charter
- ✍ MLSOC has the authority to establish subcommittees when needed.

Membership

- ✍ 9 voting members
 - ✍ 3D and 2D seismic, including industry operations and data acquisition expertise
 - ✍ OBS and PASSCAL experience
 - ✍ General Oceanography including:
 - ✍ Coring, ROV ops, Moorings, Phys/Bio/Chem Oceanography, General Over-the-side ops
 - ✍ Mapping, Observatories
- ✍ Ex-Officio RVTEC and RVOC reps, probably from LDEO
- ✍ Other Ex-Officio representatives from LDEO
- ✍ Participation by Federal Agency representatives



Nominations

- ✍ Solicited from the community, advertise the need.
- ✍ Review CV and letter of interest.
- ✍ Voted on by current membership.
- ✍ Appointed by UNOLS Chair with Council concurrence.
- ✍ Three-year terms, staggered with no more than two consecutive terms.
- ✍ Ex-Officio members appointed by LDEO and UNOLS standing committees.



Meetings









- ✍ Meet twice a year

- ✍ One meeting should allow for an open forum with the user community to get broad input for long-range planning, user concerns, etc.

- ✍ The second meeting will be generally devoted to scheduling, permitting, advising on specific programs, and other near-term issues, and should occur just before the UNOLS scheduling meeting each summer.



Charge to Committee

-  **Provide advice on scientific programs.**
-  **Forecast future operations locations.**
-  **Help with short-term scheduling.**
-  **Address user concerns.**
-  **Review technical capabilities.**
-  **Monitor issues related to permitting.**
-  **Encourage technology expansion and upgrades.**
-  **Reporting on activities and recommendations**








Potential Members

- *MG&G user community*



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- ✍ Nathan Bangs - UTIG - 3D
 - ✍ Kirk McIntosh - UTIG - 2D, 3D
 - ✍ Greg Moore - SOEST - 3D
(possible Chair per Tom Shipley)
 - ✍ Graham Kent - SIO - 3D
 - ✍ Ralph Stephen - WHOI
- down-hole imaging
 - ✍ Steve Holbrook - Wyoming - 2D
 - ✍ Tom Shipley - UTIG - ERROC,
2D, 3D
 - ✍ Alistair Harding - 3D
 - ✍ Neil Driscoll - SIO
 - ✍ Dan Lizarralde - moving to WHOI
 - ✍ Dale Sawyer - Rice
 - ✍ Alan Levander - Rice - EAR,
IRIS, CD
 - ✍ Colin Zelt - Rice - EAR
 - ✍ John Hole - Virginia Tech -
PASSCAL Standing Committee
 - ✍ Jim Fowler - NM Tech -
PASSCAL
 - ✍ John Collins - WHOI - OBS
 - ✍ Jeff Babcock - SIO - OBS
 - ✍ Gail Christeson - UTIG - OBS
 - ✍ Nancy Grindlay (UNC)
 - ✍ Mitch Lyle (Biose State)
 - ✍ Will Sager (TAMU)
 - ✍ Casey Moore (USC)
 - ✍ Mark Wiederspahn (UTIG) -
seismic data acquisition

Potential Members




User community – General Oceanography

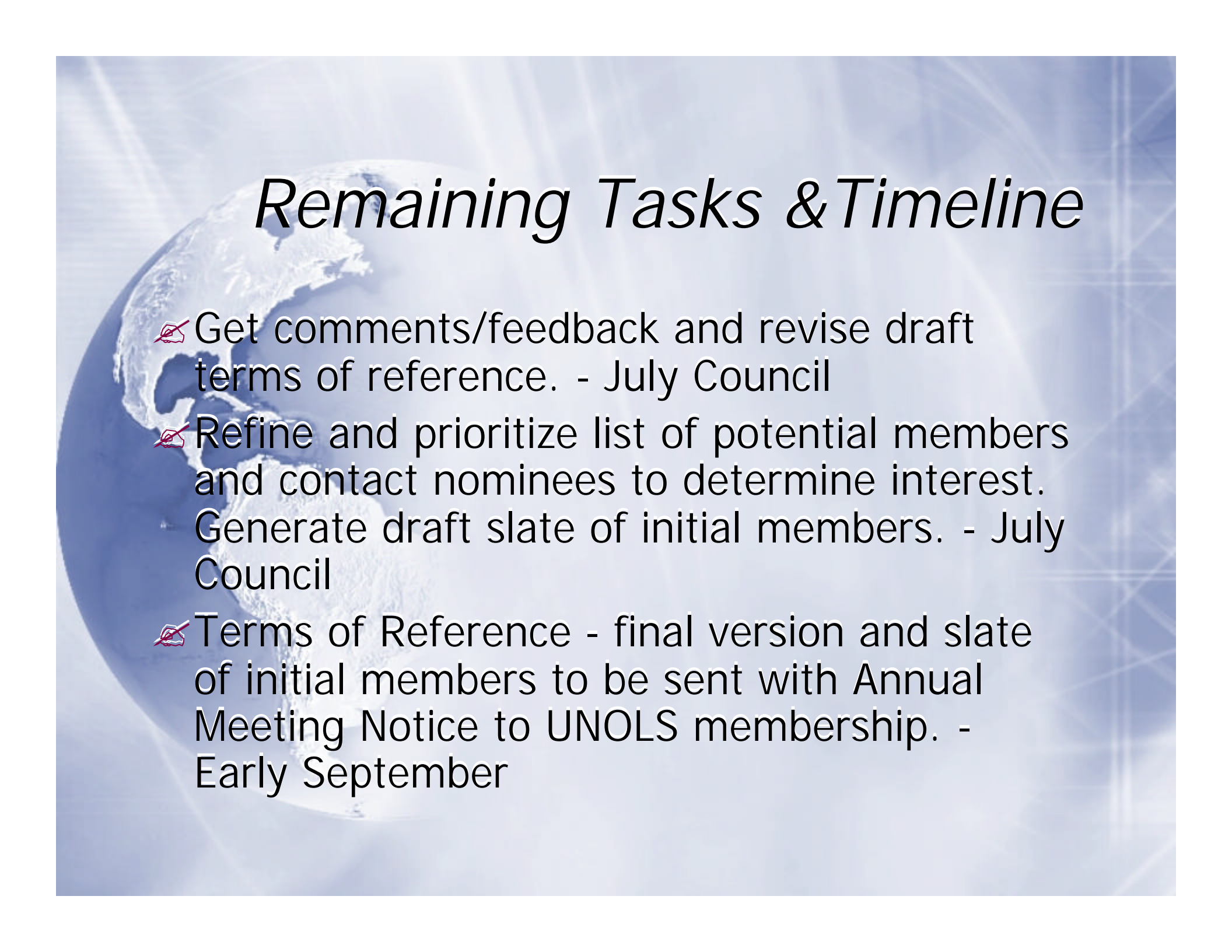
-  Alan Chave – WHOI- observatories/emerging technologies
-  Bob Embley – NOAA/PMEL - observatories, ROV ops
-  Ian Macdonald – TAMU – mapping/ROV experience
-  Jim Barry – MBARI – ecologist with ROV experience
-  Peter Franks – SIO – Physical and Biological ocean, over-the-side experience.
-  Mark Zumberge – IGPP
-  Jim Broda – WHOI - Coring

User community - Marine Mammal and Permitting

-  Michael Moore – WHOI- might have recommendations for others
-  Peter Tyack – WHOI – cetacean response to human-generated noise

Industry

-  Craig Shipp - Shell - (ODP experience, Site Survey and Safety panels, plans 3D experiments)
-  Phil Fontana – Veritas - (survey design and acquisition parameters)
-  Peter Littlewood – Shell – 3D & current member of ERROC



Remaining Tasks & Timeline

- ✍ Get comments/feedback and revise draft terms of reference. - July Council
- ✍ Refine and prioritize list of potential members and contact nominees to determine interest.
 - Generate draft slate of initial members. - July Council
- ✍ Terms of Reference - final version and slate of initial members to be sent with Annual Meeting Notice to UNOLS membership. - Early September

Questions?

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