

Launching EarthScope-Oceans (ESO) Science Committee

Purpose / guiding principles

- Purpose: federate the international scientific community around observations of the Earth from the oceans that include a seismological component.
- Guiding principle: all disciplines requiring data from the oceans are welcome (most observations are related to the oceanic environment: acoustic, biological, physical, chemical – we use part of the acoustic signal for detecting seismicity and imaging the solid Earth).
- Science committee will be composed of individual scientists from all disciplines, some of whom may also represent participating research organizations / nations.

Mission / vision/ goal / desired outcome

- Science committee will coordinate promotion of EarthScope-Oceans (international conferences, dedicated ESO workshops, joint workshops with JCOMMOPS etc.)
- Science committee will provide help to new/small participants.
- Science committee will produce science-related 1-page documents (part of a series of 1-page documents produced by other ESO committees and ESO steering committee):
 - o Promising science directions (a few big questions from the different fields)
 - o The help ESO can provide new/small scientific participants (letters of support, ESO data policy, technical training for float piloting, technical solutions for data-sharing, etc.)
 - o Identify potential sources of funding, specific funding calls, ship-time resources and other information that can be useful for writing ESO-related projects
 - o List and contacts of groups / individuals participating in ESO-related activities for networking and building future multidisciplinary projects.
 - o ...

Proposed science committee members to start with

- [1] Alessia Maggi alessia.maggi@unistra.fr <- ScieComm Head
- [2] Hiroko Sugioka hikari@pearl.kobe-u.ac.jp - Seismology
- [3] Alison Gray FJS2ASK - Chemical oceanography
- [4] Gianni Pavan GN2ASK - Bioacoustician
- [5] Vasilis Lykousis GN2ASK - Meteorology
- [6] Chuanlun Zhang - SUSTech - Microbiology