

Marcus Langseth Science Oversight Committee

- Marine Seismic Community Survey
- Langseth Schedule
- Long-Range Planning
- Efforts to Develop International Collaboration
- DCL Response
- Transition to MSROC
- Membership

Nathan Bangs, UT-Austin
MLSOC Chair



Marine Seismic Community Survey

- 40 questions requesting input on marine seismic data users, needs, etc.
- Help MSROC development
- Key Results:
 - 236 responses in 3 weeks
 - Broad range of science interests
 - Broad interest for all seismic capabilities
 - ~ 1/2 from “non-specialists” (used seismic data or related products in their papers but do not acquire data)
 - Large community that needs marine seismic, much bigger than the few who are actively acquiring these data.
- https://www.unols.org/sites/default/files/Marine_seismic_survey%20_summary.pdf

End of 2016 Langseth Schedule

Nov/Dec.

53 days Northern Chile - earthquake rupture zones NSF Trehu

2017 Langseth Schedule

Jan/Feb

40 days Central Chile earthquake rupture zones NSF Bangs

Oct/Nov SHIRE – Hikurangi Slow-Slip

NSF McIntosh

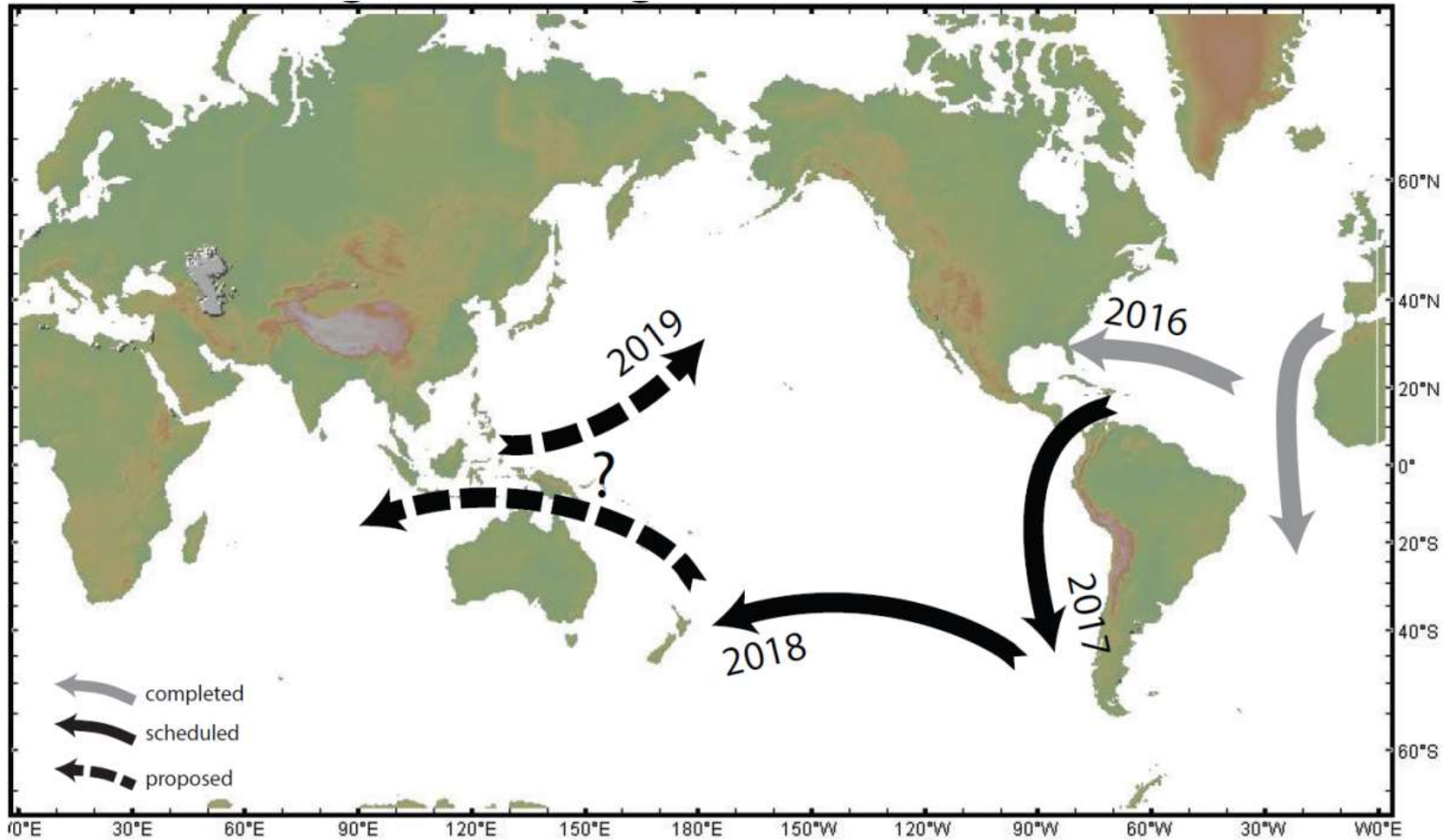
~35 days

2018 Langseth Schedule

Jan/Feb

35 days Hikurangi 3D – Slow Slip NSF/NERC/NZ Bangs

Langseth Regional Framework Plan



Langseth Long – Range Planning Efforts

Request for Letters of Interest

(basic information we can use to assess where regions of interest are)

Letters will be discussed at MLSOC/MSROC meeting

Deadline is Friday (12 received so far)

Efforts to Develop International Collaboration

IODP Forum Meeting - Sept. 2016

Address IODP concerns regarding sufficient/adequate seismic data for project planning and drilling safety

The primary goal is to improve efficiency and data availability by increasing access to international seismic facilities

International representation from US, UK, Germany, Japan

Primary outcome was a follow-up workshop to develop a white paper

Follow-up Workshop at Lamont – 11/21

US, UK, German participants

Primary outcome will be to begin building the framework for MOUs

White paper will be coming out in Feb.

NSF Dear Colleague Letter Response

MLSOC DCL response was submitted to NSF:

Long-range planning to improve operational efficiency and develop non-NSF funding opportunities

Support from academic institutions for student training

Development of international collaboration/cooperation

Transition to MSROC

MSLOC drafted Charter revision

MLSOC will be replaced by MSROC with the approval of the revision of the UNOLS Charter

MSROC will broaden its oversight to cover marine seismic research (2D/3D MCS, High-resolution MCS, Active/Passive OBS)

Membership will include international members (1-2) and OBS specialists

Applications will be reviewed and selected by UNOLS Council

MLSOC fall meeting will be held in San Francisco 12/11

MLSOC Membership

Until 12/2016

Nathan Bangs (Chair) UT Austin

Donna Blackman Scripps

Suzanne Carbotte (MLSOC, ex-officio) LDEO

Sean Gulick (IODP representative) UT Austin

Debbie Hutchinson USGS

Beatrice Magnani SMU

Gregory Mountain Rutgers U.

Dan Lizarralde WHOI

Bobby Reece TAMU

Warren Wood NRL

Maya Tolstoy (ex-officio) LDEO