

MSROC

Marine Seismology and Research Oversight Committee

John Orcutt SIO/IGPP

8 November 2021

MARINE SEISMIC RESEARCH OVERSIGHT COMMITTEE (MSROC)

Name	Institution	Role	Term start	Term end
John Orcutt	SIO	Chair	2019/04/01	Apr 2022
John Hopper	GEUS	Member	2017/03/01	Mar 2020
Maria Beatrice Magnani	SMU	Member	2017/3/01	Mar 2020
Helen Janiszewski	UH	Member	2020/11/01	Nov 2020
Nathan Bangs	UT-Austin	Member	2017/03/01	Mar 2020
Del Bohnestiehl	NCSU	Member	2017/03/01	Mar 2020
Robert Steinhaus	Steinhaus & Associates	Member	2018/12/01	Dec 2021
Emily Roland	WWU	Member	2017/03/01	Mar 2020
Lindsay Lowe Worthington	UNM	Member	2018/12/01	Dec 2021
Nathan Miller	USGS	Member	2018/12/01	Dec 2021
Lee Ellet	SIO	Committee Reep		
Debbite Bronk	Bigelow	Ex-Officio		
Dennis Hansell	RSMAS	Ex-Officio		
Dan Lizzaralde	WHOI	Ex-Officio		

MSROC Attendance has been poor

- I sent around a letter on 16 October suggesting a change in how MSROC is run
- In the future, MSROC will host at least two lectures each year
- At least one of these will be at the Fall AGU meeting (in person and/or virtual)
- Current and previous members of MSROC will comprise a planning committee
- Those leaving MSROC will be welcome to participate in lecture planning

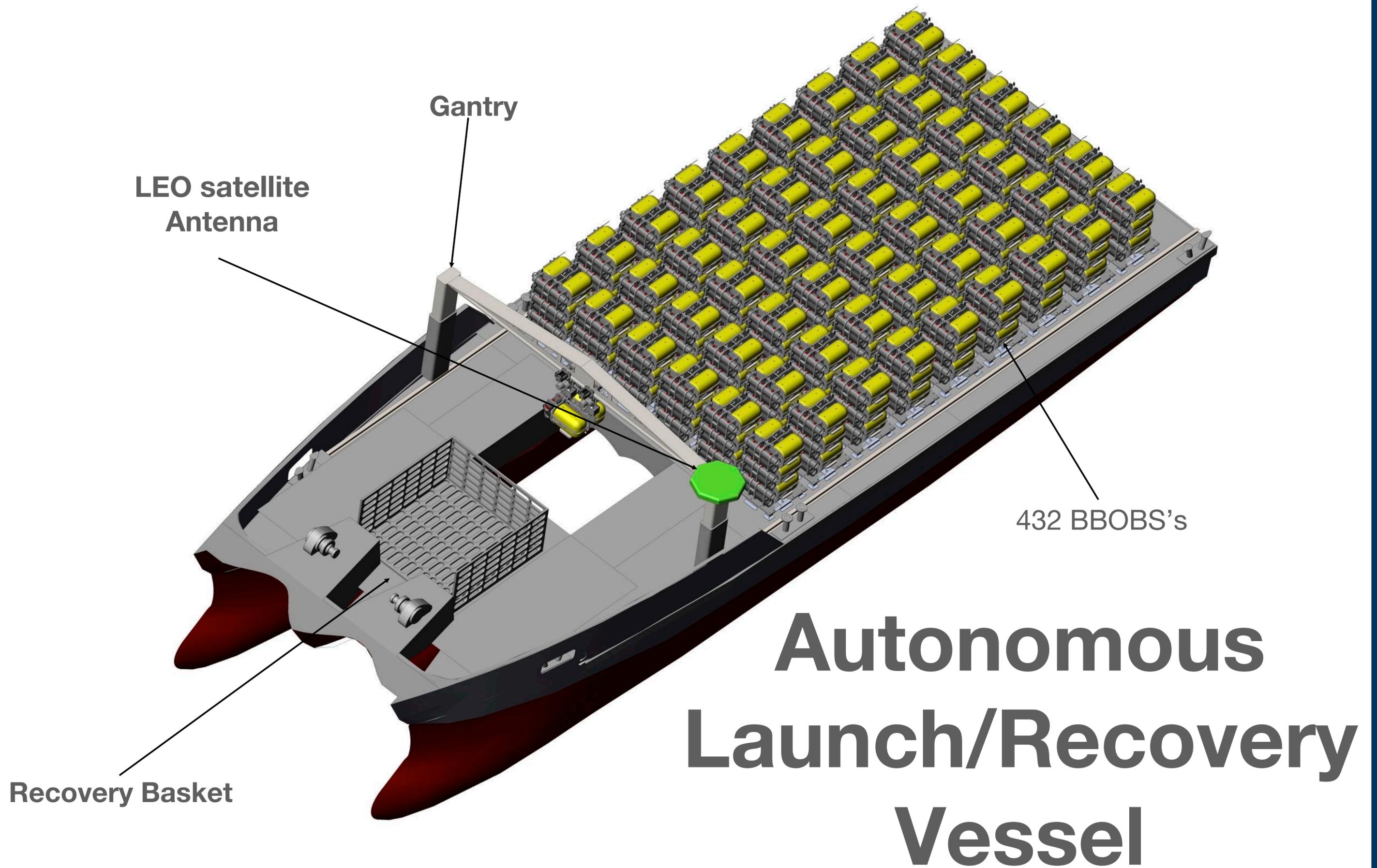
Potential Lecture Subjects

- Independent seismic nodes for deployment during multichannel experiments
- Near-real-time data return from the seafloor to space and thence to the laboratory and IRIS
- An ocean Global Seismic Network
- Small arrays of broadband OBSs deployed for at least one to two years
- Seafloor Geodesy and seismology joint studies
- Land/Sea seismic and geodetic studies
- Instrument calibration methodologies
- Seismometer burial and retrieval
- Autonomous ships

R/V Sproull Replacement using H2

Funded by State of California





Gantry

LEO satellite
Antenna

432 BBOBS's

Recovery Basket

Autonomous Launch/Recovery Vessel

Ocean-Shots; UN Ocean Decade Actions

1200 EST; 12 November US National Committee / OSTP

The screenshot shows a Zoom meeting interface. At the top, the time is 2:08 PM on Wednesday, November 3. The Zoom controls bar includes a 'Leave' button, 'Zoom' dropdown, 'Unmute', 'Stop Video', 'Share Content', 'Participants' (79), and 'More'. Below the controls, there are 'REC' and 'LIVE' indicators. The main content area displays a presentation slide titled 'The Transparent Ocean' with a 'Topical Theme' label. The slide features a central diagram with several interconnected nodes, each containing a list of ocean research topics and initiatives. The nodes are: 'ocean observing', 'acoustics', 'deep sea/twilight zone', 'Arctic', 'genomics', and 'Platforms and innovative sensors'. Each node is accompanied by a small circular image related to the topic. At the bottom right of the screen, a video thumbnail shows a participant named 'Larry Mayer'.

The Transparent Ocean (Topical Theme)

- ocean observing**
 - Integrated Ocean Observing
 - The Endless Dive
 - Accelerating Global Ocean Observing
 - OASIS
 - Sustaining Ocean Obs
 - Ocean Obs Living Action Plan
 - Building Ocean Collaborations
 - Twilight Zone Obs Network
- acoustics**
 - Observing the Oceans Acoustically
 - Ocean Sound Atlas
 - Measuring the Pulse of Earth's Global Ocean
 - Complete mapping
 - Long-Term, Global Seafloor Seismic, Acoustic and Geodetic Network
- deep sea/twilight zone**
 - Challenger150
 - DORIS
 - iDOOS
 - COBRA
- Arctic**
 - Arctic Shelves
 - Unlocking the Secrets of the Evolving Central Arctic Ocean Ecosystem
 - Ocean Arc
- genomics**
 - A Global eDNA Monitoring System
 - Great Global Fish Count by DNA
 - The US Ocean Biocode
- Platforms and innovative sensors**
 - Battery-free Ocean of Things
 - Ocean Technology Field Academy
 - PROTEUS
 - METEOR
 - RoCS
 - Low cost sensors
 - AUVs/ASV
 - Pulse of Earth's Global Ocean
 - Measuring the Ocean