



PMEL Science Review Agenda

NOAA Western Regional Center
7600 Sand Point Way NE
Building 3, Oceanographer Room #2104
Seattle, WA 98115

Remote Connection: <https://www.gotomeet.me/NOAAPMEL/pmel-lab-review>

You can also dial in using your phone

United States: [+1 \(646\) 749-3112](tel:+16467493112) | Access Code: 513-389-629

SUMMARY AGENDA

Day 1: March 3, 2020	2
Session 1: Welcome, Scope of Work, and Overviews	2
Session 2: Theme 1 - Climate-Weather Research	2
Cooperative Institute Overview and Lunch	3
Session 3: Theme 2 - Ocean and Coastal Processes Research	3
Session 4: Review Panel Closed Session	4
Evening Activities	4
Day 2: March 4, 2020	5
Session 5: Theme 3 - Marine Ecosystems Research	5
Session 6: Theme 4 - Research Innovation and Development	6
Lunch	6
Session 7: Stakeholder Feedback	6
Session 8: Review Panel Closed Session	6
Session 9: Poster Session	7
Day 3: March 5, 2020	8
Session 10: Conclusion and Feedback	8
Lunch	8

Day 1: March 3, 2020

6:30 am to 9:30 am	Complimentary Breakfast Hours at Silver Cloud
7:00 am to 7:40 am	Review Panel Breakfast with OAR Leadership (Silver Cloud)
7:45 am	Review Panel meets OAR staff in Silver Cloud lobby to transit to PMEL
8:00 am to 8:30 am	Registration and coffee

Session 1: Welcome, Scope of Work, and Overviews

8:30 am to 8:40 am	Welcome and Introductions Michelle McClure, PMEL Director
8:40 am to 8:45 am	Logistics, Safety Briefing Updates Jim Guyton, PMEL Deputy Director
8:45 am to 9:00 am	Overview of NOAA Research and Charge to Reviewers Gary Matlock, Deputy Assistant Administrator for Science
9:00 am to 9:10 am	OAR Portfolio Stewards Overview Wayne Higgins, Climate Portfolio Steward
9:10 am to 9:35 am	PMEL Overview Michelle McClure, PMEL Director

Session 2: Theme 1 - Climate-Weather Research

9:35 am to 9:50 am	Overview of Climate-Weather Research in last 6 years (Chidong Zhang)
9:55 am to 10:15 am	Climate-Weather Research Lightning Talks - part 1 <ul style="list-style-type: none">● Global Tropical Moored Buoy Array (Mike McPhaden)● Rethinking observing networks in an age of multiple platforms: the TPOS 2020 project (Billy Kessler)● PMEL's contribution to the global network of OceanSITES reference time series (Meghan Cronin)● S2S Predictability Sources in the Deep Tropics (Andy Chiodi)
10:15 am to 10:30 am	Break
10:30 am to 10:55 am	Climate-Weather Research Lightning Talks - part 2 <ul style="list-style-type: none">● A science talk on the warming global ocean (Greg Johnson)



PMEL

Pacific Marine Environmental Laboratory

- Determining the Global Ocean Anthropogenic Carbon Signal and its Perturbations ([Richard Feely](#))
- Impacts of Marine Ecosystems on Atmospheric Aerosols ([Trish Quinn](#))
- Arctic/Midlatitude Weather Connections ([Muyin Wang](#))
- The Gulf of Alaska marine heat wave (The Blob) of 2015 and its return in 2019 ([Nick Bond](#))

10:55 am to 11:30am Climate-Weather Laboratory Tours
Ocean Climate Stations ([Patrick Berk](#)) → Global Tropical Moored Buoy Array ([Ken Connell](#)) → Argo ([Greg Johnson](#) and [Elizabeth Steffen](#)) → Carbon ([Adrienne Sutton](#)) → Atmospheric Chemistry ([Trish Quinn](#) and [Lucia Upchurch](#))

11:30 am to 12:30 pm Climate-Weather Research Clarifying Questions and Discussion

Cooperative Institute Overview and Lunch

12:30 pm to 12:50 pm Cooperative Institutes Overview

JISAO - [John Horne](#), Director
CIMRS - [Michael Banks](#), Director
JIMAR - [Doug Luther](#), Director

12:50 pm to 2:00 pm Parallel Lunch: Review Panelists and CI staff (closed session)
Parallel Lunch: All others in library

Session 3: Theme 2 - Ocean and Coastal Processes Research

2:00 pm to 2:15 pm Overview of Ocean and Coastal Processes Research in the last 6 years ([David Butterfield](#))

2:20 pm to 2:35 pm Ocean and Coastal Processes Research Lightning Talks

- How much of the ocean communicates with the atmosphere, and how quickly? ([Rolf Sonnerup](#))
- 10-fold Increase in Known Methane Seep Sites Discovered in 5 Years: What is the Ecological Significance? ([Tamara Baumberger](#))
- Recent Solutions to the near-field tsunami forecast problem via GPU and GPS ([Diego Arcas](#))

2:35 pm to 3:05 pm Ocean and Coastal Processes Laboratory Tours
Ocean Tracer ([Bonnie Chang](#)) → Earth-Ocean Interactions ([David Butterfield](#)) → Tsunami ([Diego Arcas](#))

3:05 pm to 3:20 pm Break

3:20 pm to 4:10 pm Ocean and Coastal Processes Research Clarifying Questions and Discussion

Session 4: Review Panel Closed Session

4.a Review Panel Closed Session

4:10 pm to 4:40 pm Review Panel closed session (Discoverer Room)

4.b All others

4:10 pm to 4:40 pm Break/Follow up opportunities and discussions with PMEL

Evening Activities

5:00 pm to 6:30 pm No-host reception ([Ravenna Brewing Company](#))

7:00 pm to 9:00 pm Dinner for reviewers, NOAA line office guests, OAR, PMEL and CI leadership ([Piatti](#))



Day 2: March 4, 2020

6:30 am to 9:30 am	Complimentary Breakfast Hours at Silver Cloud
7:35 am	Review Panel meet OAR staff in lobby to transit to PMEL
7:35 am to 8:00 am	Review Panelists are transported to PMEL
8:00 am to 8:30 am	Coffee and breakfast bites
8:00 am to 8:30 am	Review Panel meet with CI Leadership (Discoverer Room)
8:30 am to 8:40 am	Day 1 Recap and Day 2 agenda/logistics review Jim Guyton, PMEL Deputy Director

Session 5: Theme 3 - Marine Ecosystems Research

8:40 am to 8:55 am	Overview of Marine Ecosystems Research in last 6 years (Carol Stepien)
9:00 am to 9:25 am	Marine Ecosystems Research Lightning Talks <ul style="list-style-type: none">● Living with ocean acidification in the Pacific Northwest: working with partners to understand regional vulnerability and adaptation opportunities (Simone Alin)● Dramatic shifts in the Bering Sea ecosystem and its impact on the fisheries (Phyllis Stabeno)● The US Arctic: An ecosystem defined by seasonal sea ice. What happens when the summer sea ice is gone? (Carol Ladd)● Metagenomic studies for understanding biological community responses to physical and chemical oceanic conditions (Carol Stepien)● Quantifying natural and anthropogenic ocean sounds to assess impacts on marine ecosystems or ocean soundscapes (Joe Haxel)
9:25 am to 9:55 am	Marine Ecosystems Theme Laboratory Tours Acoustics (Bob Dziak and Haru Matsumoto) → Genetics and Genomics (Matt Galaska) → Ecosystems & Fisheries-Oceanography Coordinated Investigations (Geoff Lebon , Phyllis Stabeno and Janet Duffy-Anderson)

9:55 am to 10:45 am Marine Ecosystems Research Clarifying Questions and Discussion

10:45 am to 11:00 am Break

Session 6: Theme 4 - Research Innovation and Development

11:00 am to 11:15 am Overview of Research Innovation and Development in the last 6 Years ([Chris Meinig](#))

11:20 am to 11:35 am Research Innovation and Development Lightning Talks

- Saildrone: development of a pole-to-pole scientific platform ([Calvin Mordy](#))
- From observing platform to science paper: PMEL scientific data management ([Eugene Burger](#))
- Engineering developments for scientific observing from the Arctic to the Tropics ([Chris Meinig](#))

11:35 am to 12:45 pm Research Innovation and Development Tour ([Engineering Development Division](#))

Lunch

12:45 pm to 1:55 pm Parallel Lunch: Review Panelists and early career professionals (closed session)

Parallel Lunch: All others in library

1:55 pm to 2:45 pm Research Innovation and Development Clarifying Questions and Discussion

2:45 pm to 3:00 pm Break

Session 7: Stakeholder Feedback

7.a Stakeholder Feedback (Closed Session for Review Panelists)

3:00 pm to 4:30 pm Review Panel with Stakeholders (closed session)

7.b All others

3:00 pm to 4:30 pm Follow up opportunities and discussions with PMEL

Session 8: Review Panel Closed Session

8.a Review Panel Closed Session

4:30 pm to 5:00 pm Review Panel closed session



8.b All Other Review Attendees

4:30 pm to 5:00 pm Break/Follow up opportunities and discussions with PMEL

Session 9: Poster Session

5:15 pm to 6:30 pm [Poster session \(Magnuson Park Hangar 30\)](#)

7:30 pm Closed reviewer executive dinner ([Ivar's Salmon House](#))

All other attendees, optional dinner

Day 3: March 5, 2020

6:30 am to 9:30 am	Complimentary Breakfast Hours at Silver Cloud
7:00 am	Review Panel Breakfast with PMEL Director and OAR DAA (Silver Cloud)
7:45 am	Reviewers meet OAR staff in hotel lobby to transit to PMEL
7:45 am to 8:05 am	Reviewers are transported to PMEL
8:00 am to 8:30 am	Coffee and breakfast bites

Session 10: Conclusion and Feedback

8:30 am to 8:40 am	Day 2 Recap and Day 3 agenda/logistics review Jim Guyton, PMEL Deputy Director
8:40 am to 9:15 am	Review Summary and Draft PMEL Strategic Plan Michelle McClure, PMEL Director
9:15 am to 9:45 am	Opportunity for final questions, clarifying points, etc.
9:45 am to 10:15 am	Panel members and NOAA OAR representatives (closed session)
10:15 am to 10:45 am	Panel members and NOAA Line Office Representatives (closed session)

10.a Review Team Session (Closed Session for Review Panelists)

10:45 am to 12:45 pm	Review panel members formulates recommendations and drafts comments (Discoverer Room)
----------------------	---

10.b OAR leadership, Line Office reps, and PMEL leadership

10:45 am to 12:15 pm	OAR leadership and Line Office Representatives provide informal feedback to PMEL leadership
12:15 to 12:45 pm	OAR DAA and PMEL leadership

Lunch

12:45 to 1:45 pm	Open Lunch
2:00 pm to 3:00 pm	Review Panel Preliminary Feedback to OAR and PMEL leadership
3:00 pm	Adjourn