



Overarching Objectives

- 1) Explore innovative and emerging technologies or techniques that have the potential to transform BOEM science and assessments;
- 2) Better understand BOEM's use of structured decision-making to date, with specific focus on an example from the Gulf of Mexico Region;
- 3) Discuss and Consider the COSA multi-year meetings plan, with specific focus on incorporating meetings at the regional level;
- 4) Revisit the questionnaire (virtual town hall) conducted by COSA in 2016, noting topics that COSA has addressed to date and topics that may continue to be of interest.

Tuesday, November 13, 2018

Meeting Location: NAS Members Room

National Academy of Sciences Building
2101 Constitution Avenue
Washington, DC 20418

OPEN SESSION

9:30 AM

Welcome

- Welcome and introductions
- Review meeting agenda

Hajo Eicken, Committee Chair
Stacey Karras, National Academies

9:45 AM

Program Updates

- National Oil and Gas Program and NEPA
- National Studies Program

Jill Lewandowski, BOEM
Rodney Cluck, BOEM

In accordance with Executive Order 13795 and Secretary's Order 3350, BOEM initiated the development of a new 5 year National OCS Program for 2019-2024. The Draft Proposed Program was released on January 4, 2018. In a separate Secretarial Order, the Secretary of the Interior called for modernizing and streamlining the NEPA process. This session will focus on updates from BOEM regarding those efforts as well as updates regarding BOEM's National Studies Program.

10:30 AM

Innovation in Technology and Techniques – “Big Ideas”

Jules Jaffe (remote), Scripps Institution of Oceanography
Jesse Ausubel (remote), Rockefeller University
Dana Yoerger, Woods Hole Oceanographic Institution

The objective of this session is to introduce and consider emerging and innovative technologies or methodologies that may have the potential to transform the science that BOEM conducts and relies on. Possible examples may include artificial intelligence, autonomous technologies, or environmental DNA.

12:00 PM

Working Lunch

1:00 PM

Application of Innovative Technologies and Techniques in an Agency Context

Victor Zykov (remote), Schmidt Ocean Institute
Lisa Ballance, NOAA Fisheries

This session follows from the previous and introduces challenges and opportunities associated with implementing new and emerging technologies and methodologies in the context of agency science. Some illustrative examples from work conducted by NOAA may be provided.

2:15 PM *Break*

2:30 PM **Discussion of application to BOEM**

This session provides an opportunity for to reflect on the earlier discussions and consider how BOEM might implement and use the aforementioned technologies and methodologies in their own science and management.

3:45 PM **Adjourn Open Session**

CLOSED SESSION (Committee and staff only)

Wednesday, November 14, 2018

Meeting Location: NAS Board Room
National Academy of Sciences Building
2101 Constitution Avenue
Washington, DC 20418

OPEN SESSION

10:00 AM Welcome and Introductions
- Chair transition

Hajo Eicken, Outgoing Committee Chair
Michael Orbach, Incoming Committee Chair

10:30 AM **BOEM Update on Structured Decision-Making Roll-Out**
- Gulf of Mexico Region Example

Lissa Lyncker (remote), BOEM

In past meetings, particularly COSA's spring 2018 meeting, the Committee and BOEM have had the opportunity to consider how structured decision-making may enhance BOEM's science and assessment programs. During this session, the Committee will hear from BOEM's Gulf of Mexico Region regarding an example of how structured decision-making has been implemented.

12:00 PM *Working Lunch*

1:00 PM **COSA Multi-Year Planning Proposal**

Michael Orbach, Incoming Committee Chair

COSA has articulated a desire to engage more with BOEM staff from the individual regions. To encourage this engagement, the Committee proposes having two COSA meetings in each of the next two years in various Regions. The third meeting each year would be focused on the Studies Development Plan. This session is an opportunity to discuss that proposal and begin to think about what topics may be appropriate for discussion in each Region. While the regional focus should influence the topics selected, COSA hopes to identify potential future meeting topics that are also of broader interest to other regions as well.

2:15 PM *Break*

2:30 PM **Revisit COSA Questionnaire and BOEM Surveys**

Stacey Karras, National Academies

In 2016, COSA conducted a "virtual town hall," which involved soliciting responses from BOEM scientists to a questionnaire. Since then, the leadership (both staff and Chairmanship) and membership of COSA have changed. Still, the responses from that effort provide insight regarding the topics COSA has covered in their meetings to date, and possible future topics for discussion as well. BOEM also conducted surveys of their scientists, which similarly may illuminate successes and areas for continued improvement.

4:00 PM **Adjourn Open Session**

CLOSED SESSION (Committee and staff only)