



SCIENCE PLANNING WORKSHOP · November 15-16, 2018

Sheraton Silver Spring Hotel · 8777 Georgia Ave., Silver Spring, MD · Fourth Floor Meeting Center - Cypress Ballroom

DAY ONE NOVEMBER 15, 2018

8:30 AM **Registration and Breakfast**

9:15 AM **Welcome and Introductions** (Alan Leonardi, OER Director)

10:00 AM **Background on OER and ASPIRE**

OER 101 (Alan Leonardi, OER Director)

ASPIRE Overview (CAPT Bill Mowitt, OER Deputy Director)

10:45 AM **BREAK**

11:00 AM **Galway Statement Presentation** (Terry Schaefer, International Activities Office, NOAA Office of Oceanic and Atmospheric Research)

11:15 AM **EU Partnerships Presentation** (TBA)

11:30 AM **Canada Partnerships Presentation** (TBA)

11:45 AM **LUNCH**

12:45 PM **NOAA SHIP OKEANOS EXPLORER LIVE INTERACTION / GROUP PHOTO**

1:30 PM **Setting Stage for Breakout 1**

Review group assignments, goals, questions, and timing

1:45 PM **Breakout Round 1**

See guidelines for breakout rounds below

3:45 PM **BREAK**

4:00 PM **Report Outs: Breakout 1**

Q&A to follow each report out

5:00 PM **Wrap Up Day 1**

HAPPY HOUR TO FOLLOW AT MCGINTY'S PUBLIC HOUSE (911 Ellsworth Dr, Silver Spring, MD)



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DAY TWO NOVEMBER 16, 2018

8:00 AM **Breakfast**

8:30 AM **Welcome and Review of Day 1**

8:45 AM **Setting Stage for Breakout Round 2**
Review group assignments, goals, questions, and timing

9:00 AM **Breakout Round 2**

11:30 AM **Report Outs: Breakout 2**
Q&A to follow each report out

12:30 PM **LUNCH**

1:30 PM **Setting Stage for Synthesis Session**
Review group assignments, goals, questions, and timing

1:45 PM **Breakout Round 3**

3:15 PM **BREAK**

3:30 PM **Report Outs: Syntheses**

4:30 PM **Wrap Up & Next Steps**

MEETING TO CONCLUDE BY 5:00 PM

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BREAKOUT ROUND 1: WHERE?

In the first breakout session, participants will be assigned to one of five regional groups. Each group will identify priority areas and features for exploration within the given region. These exploration priorities will be actively recorded into SeaSketch, an online collaborative GIS platform, by an OER staff member and will be made available to participants during and after the workshop. The goals and questions below should be used to guide the conversation. Each group should spend the last 10-15 minutes of the session assembling a brief report-out of their discussion using a pre-designed Google Slides template.

GEOGRAPHIC REGION BREAKOUT GROUPS

- **Northwestern Atlantic:** US EEZ north of Cape Hatteras, Canada
- **Southwestern Atlantic:** US EEZ south of Cape Hatteras, Caribbean
- **Central Atlantic:** Mid-Atlantic Ridge, Azores, Charlie-Gibbs Fracture Zone, High Seas
- **Eastern Atlantic:** Western Europe, West African Coast
- **Basin Wide:** Basin-scale interests that extend beyond regional boundaries

GOALS

- Identify exploration priorities in each region
- Identify methods and capabilities (i.e., assets and logistics) to address these priority areas
- Understand key individuals or players we should consider engaging
- Identify potential logistical challenges of working in this region

QUESTIONS

1. Based on the white paper submissions and your areas of interest/expertise, what areas or features do you recommend for exploration? Why?
2. Are there gaps beyond the areas identified in question 1?
3. How could these areas be explored? What platforms are available to reach these geographic areas? Partnerships and interested scientists/organizations in the region?

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BREAKOUT ROUND 2: WHAT?

In the second breakout session, participants will be assigned to one of five subject area groups. Each group will review the summary map of regional priority areas and features created in breakout round 1 and identify those features most relevant to their subject area. If there are areas/features that were not identified on day one, subject area groups are encouraged to identify these as well. These thematic exploration priorities will also be incorporated into SeaSketch, and the goals and questions below should be used to guide the conversation. Each group should spend the last 10-15 minutes of the session assembling a brief report-out of their discussion using a pre-designed Google Slides template.

SUBJECT AREA BREAKOUT GROUPS

- Water Column
- Geology/Mapping/Benthic Minerals
- Archaeology
- Benthic Ecology
- Connectivity

GOALS

- Identify thematic exploration priorities within target areas from breakout 1
- Identify data, samples, methods, and capabilities (i.e., assets and logistics) to facilitate surveys, sampling, mapping, etc.
- Understand key individuals, players, and/or experts we should consider engaging
- Identify potential logistical challenges

QUESTIONS

1. Using the summary map from breakout 1, identify the most relevant features and areas for your subject in each geographic region. If there are areas/features that were not identified by the geographic breakout groups, what are they?
2. What information gaps exist and what data are required to address these needs for information? What are the broader research questions that could be addressed through exploration in this area?
3. What data, samples, and/or measurements need to be gathered to characterize these targets? Do the recommended platforms from breakout 1 have sufficient tools for meeting these exploration needs or are additional capabilities needed?
4. What partnerships and interested scientists/organizations are available or should be engaged for such work?

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BREAKOUT ROUND 3: SYNTHESIZING THE WHERE, WHAT, AND HOW

Returning to the geographic breakout groups from Round 1, participants will summarize regional exploration targets and their relevance to subject area interests, as proposed in breakout round 2 groups. The SeaSketch input from both previous rounds will be displayed for reference, but this breakout is not focused on geospatial input. Instead, each group should develop synthesized exploration recommendations for their region, and give some thought to the overall weight of their assigned region in comparison to others. In addition to finalizing recommendations, each group should spend time considering next steps for the region and what is needed to accomplish the identified exploration goals. Each group should spend the last 10-15 minutes of the session assembling a brief report-out of their discussion using a pre-designed Google Slides template.

GOALS

- Identify and summarize critical community data/measurement needs
- Form regional exploration recommendations
- Summarize logistical challenges and identify next steps

QUESTIONS

1. What priority regions of interest were identified for exploration? Why?
2. What platforms and partners are available to support the execution of proposed exploration? What engagement opportunities are available?
3. What are the next steps needed to accomplish these prioritized exploration goals?