2019 Global Ocean Science Education (GOSE) Workshop
November 13-15
Reston, VA

Conducted by
COSEE and College of Exploration in Partnership with the
Atlantic Ocean Research Alliance and the Seabed 2030 Project

DRAFT AGENDA (20.August.2019)

2019 GOSE Workshop Theme:
The importance of ocean observations and seafloor mapping to citizens, preparing for the UN Decade of Ocean Science for Sustainable Development, and the engagement of business and industry

Objectives:
• Bringing together the ocean science, education, policy, and business/industry sectors
• Integrating seafloor mapping and ocean observing research results into education resources for enhanced global societal ocean literacy and decision making and sustainable development
• Identifying industry needs for the development of education opportunities for the existing marine-related workforce

Wednesday, November 13, 2019
9:00 Welcome and Introductions
Gail Scowcroft, Graduate School of Oceanography, University of Rhode Island
Peter Tuddenham, College of Exploration
Ivan Conesa-Alcolea, European Commission

9:15 Workshop Goals and Overview (Gail Scowcroft and Peter Tuddenham)

9:30 Plenary I: Overview of UN Decade of Ocean Science for Sustainable Development
Craig McLean, National Oceanic and Atmospheric Administration and Executive Planning Group, UN Decade

10:00 Plenary II: Ocean Literacy for the Decade
Francesca Santoro, Intergovernmental Oceanographic Commission

10:20 Coffee Break

Why do we need Ocean Observation?

10:40 Panel I: Importance of Ocean Observing for Society and Related Education Activities
Dina Eparkina, European Global Ocean Observing System


11:35 Breakout Group I: How to integrate ocean observation into ocean education/ocean literacy initiatives (formal and informal science education, social science, art and literature, observation resources and materials, how to bring or use the media and social media)
12:15  Breakout Group I Reports

12:40  Lunch

**Why do we need Seabed Mapping?**

13:30  **Panel II: Importance of Seabed Mapping for Society** and Related Education Activities
Gordon Johnston, International Federation of Surveyors and AORA
Tommy Furey, Ireland Marine Institute
Laura Brothers, U.S. Geological Survey

14:10  **Plenary IV: Seabed 2030 Report**
Vicki Ferrini, Lamont-Doherty Earth Observatory and Seabed 2030 Project

14:30  **Breakout Group II: How to integrate seabed mapping into ocean education/ocean literacy initiatives (formal and informal science education, social science, art and literature, observation resources and materials, how to bring or use the media and social media)**

15:15  **Breakout Group II Reports**

15:30  Coffee Break

15:50  Working groups on seabed mapping and ocean observing meet to discuss breakout group actions and formalize plans for implementation during the Decade

17:00  Working group report outs

17:20  Lightning Round I: Early Career Professional Presentations

17:50  Adjourn, buses leave for dinner venue

18:15  Group Dinner

**Thursday, November 14, 2019**

9:00  Welcome and Review

**Ocean Literacy and Ocean Science Education in Support of the Blue Economy**

9:15  **Plenary V: Business and Industry Workforce Needs for the Blue Economy**

9:35  **Panel III: Blue Economy, Emerging Marine-Related Technologies, and Education Needs**
Diz Glithero, University of Ottawa and Canadian Ocean Literacy Coalition
Kelley Brumley, Fugro
Tom Chase, American Society of Civil Engineers

10:10  Coffee Break

10:30  **Plenary VI: Strategies for the Engagement of Business and Industry**
Michael Jones, Maritime Alliance
10:50  **Breakout Group III: Education of the Existing Marine-Related Workforce**

11:35  **Breakout Group III Reports**

11:50  **Large Group Discussion I: Development of Education Opportunities for the Existing Marine-Related Workforce**

12:15  **Lunch**

13:15  **Breakout Group IV: Regional Groups Develop Outreach Plans for Implementing Education Opportunities for Business and Industry in Their Regions (or breakout by topic area)**

14:15  **Breakout Group IV Reports**

14:30  **Lightning Round II: Early Career Professional Presentations**

15:00  **Coffee Break**

15:20  **Breakout Group V: Regional Groups Develop Collaborative Activities for the Decade (groups can also breakout by ocean science themes)**

16:10  **Breakout Group V Report Out**

16:30  **Introduction to Open Space Session**

17:00  **Adjourn**

**Friday, November 15, 2019**

9:00  **Welcome and Review**

9:15  **Open Space Session – Furthering the Goals of the Global Ocean Science Community**

(Examples: one group could focus on the certificate program for business and industry, another could focus on activities for the Decade)

10:15  **Coffee Break**

10:35  **Open Space Continues**

11:10  **Open Space Group Reports**

11:25  **Large Group Discussion – Reflection on 2019 GOSE Workshop and Ideas for 2020**

11:40  **Plenary VII: Importance of Ocean Science Education in Support of the UN Decade of Ocean Science for Sustainable Development**

  Margaret Leinen, Scripps Institution of Oceanography and Executive Planning Group UN Decade

12:05  **Box Lunch for Travelers**