

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 seabed 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 seabed 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
- 11:15 **Plenary III: Global Ocean Observing System 2030 Strategy Report**
- 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**
- 13:30 **Why do we need Seabed Mapping?**
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**