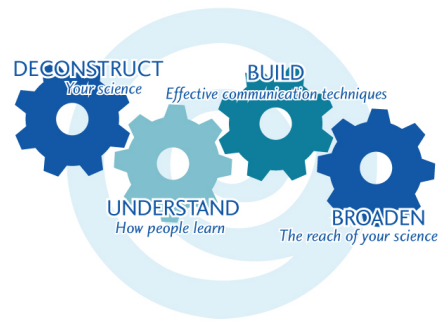


**COSEE Professional Development Workshop  
for Early Career Scientists**  
2012 Ocean Sciences Meeting



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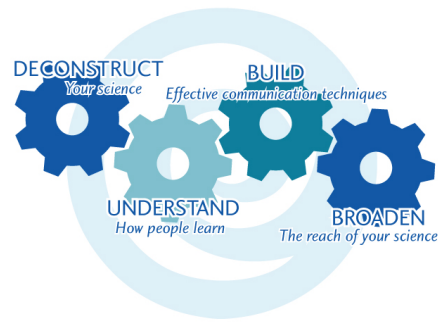
**Workshop Agenda**

**Sunday, February 19th**

- 8:00 am Continental Breakfast
- 8:30 am Welcome and Introductions  
Overview of Workshop Goals
- 9:30 am **Deconstruct Your Science Using Concept Mapping – Gear #1**  
*Learn and apply concept mapping skills to help you show the relation and context of your science with others and promote open ended discussions in your professional presentations.*
- 10:30 am **Telling Your Science Story – Gear #1**  
*Learn effective practices of storytelling, a powerful communication tool, which scientists can use to improve their presentations, proposals, papers, and outreach efforts.*
- 12:00 pm Catered Lunch
- 12:45 pm **Telling Your Science Story (continued) – Gear #3**  
*Work to improve your personal storytelling skills by drafting a short story based on your research.*
- 1:15 pm **Understand How People Learn – Gear #2**  
*Explore what research from the learning sciences says about how people learn and what this can tell us about effective ways to teach and communicate with the public.*
- 2:15 pm Break (snacks and soft drinks provided)
- 2:30 pm **COSEE NOW BI Wizard Tutorial**  
*Learn about a new set of tools that COSEE Networked Ocean World (COSEE NOW) has created to help scientists construct and implement broader impact statements required in research proposals.*
- 2:45 pm Reflection, Application, and Next Steps  
*Reflect on what you have learned thus far in this workshop and discuss the goals for the group moving forward, including the follow-up webinars to address gears 3 and 4 (building and broadening your skills as science communicators) and the application of the gears.*
- 3:45 pm Evaluation of Workshop
- 4:00 pm Reception (optional) – Hosted by COSEE NOW and Dr. Jim Yoder, WHOI

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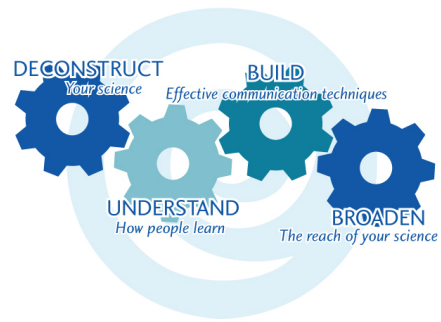
**Online Seminar Series (March to May 2012)**

Workshop participants will be expected to attend 6 sessions (webinars will be recorded for those who are unable to participate when webinars are “live”).

<b>Date</b>	<b>Summary</b>	<b>Gear</b>
3/12/12	<b>Constructing Knowledge</b> <i>Learners build an understanding of the world around them through their experiences, motivation, and social interactions. This workshop focuses on how people make sense of the world around them and the implications for how you can effectively share science with your potential collaborators, students, and the public.</i>	Gear #3 Build
3/26/12	<b>Building a Professional Social Network</b> <i>The impact of sharing your science with others is dependent on your social capital, your ability to be perceived as a trusted resource among your social and professional networks. These networks include individuals and institutions, each with their own mission. Your relationship with these organizations is not random, but can be controlled, strategically built, and studied. Tools for visualizing and following the evolution of your networks will help you realize the full potential of the broader impacts of your research.</i>	Gear #4 Broaden
4/9/12	<b>Follow-up and Presentations</b> <i>Assigned participants will speak for ~10 minutes each on the concept map or story that they have created about their research using the skills that they learned in the workshop. They will also discuss how they plan to apply this information/product to their career.</i>	Gear #1 Deconstruct
4/23/12	<b>Follow-up and Presentations</b> <i>Participants will interview friends and colleagues to determine people’s ideas and reasoning about topics related to their research. Assigned participants will then speak for ~10 minutes each about what they discovered about people’s ideas and reasoning, where they think those ideas came from, and how these ideas differ from how experts think about their research topics.</i>	Gear #2 Understand
5/7/12	<b>Follow-up and Presentations</b> <i>Assigned participants will then speak for ~10 minutes each about what strategies they will be or are using in teaching and presentations to help learners make more connections and organize their knowledge more like an expert. They will also discuss how they plan to apply the information/skills that they learned in the gear to their career.</i>	Gear #3 Build
5/21/12	<b>Follow-up and Presentation</b> <i>Assigned participants will then speak for ~10 minutes each about how they view their professional community as a network. Then participants will describe how they will strategically enhance their social capital to achieve specific research, teaching, or service goals.</i>	Gear #4 Broaden
6/4/12	<b>Introducing the Broader Impact Wizard (Optional)</b> <i>Constructing Broader Impact Statements: In this session we will provide a tutorial for COSEE NOW’s new online software designed to assist scientists applying to NSF for research funding address Criterion II. The software is a five-step process that helps</i>	

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*scientists determine the best education and public outreach option to translate their research broadly.*

- 6/11/12 **Broadening your Network using Social Network Tools (Optional)**  
*Network using Social Network Tools: Social networking is an important new tool for collaboration and knowledge exchange among scientists. In this program, we explore, using tools such as Facebook, Twitter, online workgroups and forums to leverage existing professional networks to increase capacity and productivity.*
- 6/18/12 **How to Interview and Negotiate for an Academic Position (Optional)**  
*Interview and Negotiation Skills: In this session, Dr. Jim Yoder will share his top ten things you should do when interviewing for an academic position. He will review the steps in the process from the phone interview to the face-to-face meeting, and what to do once you have a job offer. Participants are invited to bring a colleague for this informative event.*