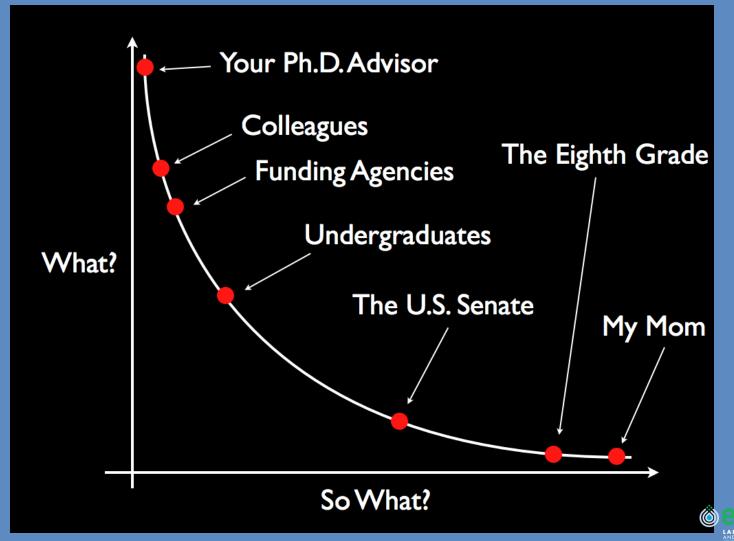
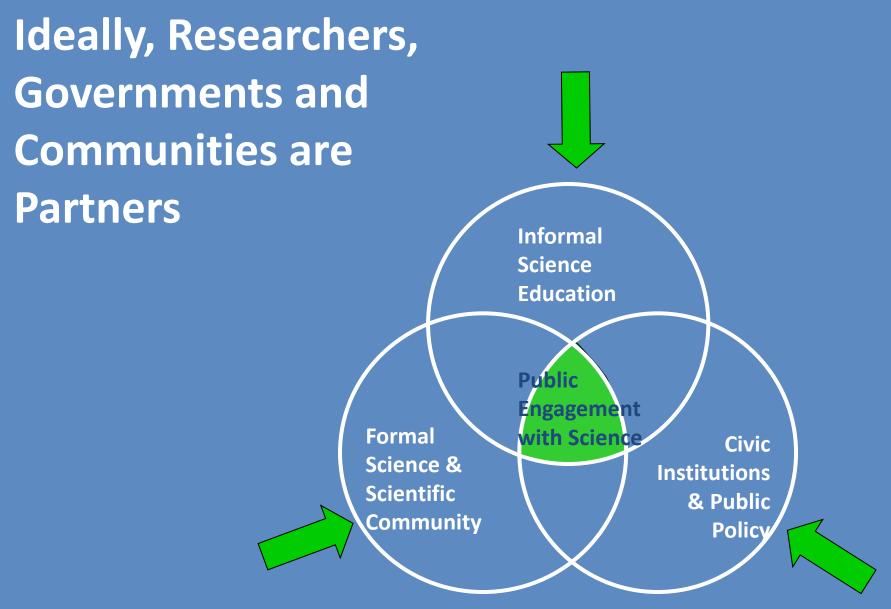
# Communicating Science: University & Science Center Collaboration

Linda Bowden, Lifelong Learning Coordinator ECHO Lake Aquarium and Science Center at the Leahy Center for Lake Champlain 2 June 2011 DoubleTree by Hilton Hotel, Burlington, VT



# Communicating Science to an Public Audience





NSF CAISE: Center for advancement of informal science education



# Science Centers Provide Public Learning Experiences





Multiple Strategies for Engaging the Public











### ECHO/UVM Green Chemistry Partnership Case Study





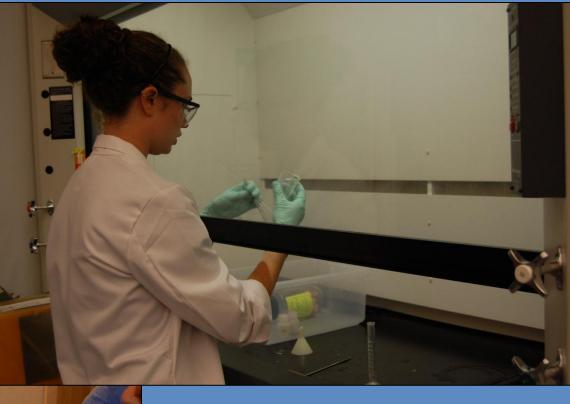
# NSF Proposal?

We can help you write the broader impacts section of your grant!





# We Train Your Interns







# **Training Syllabus**

- The Green Chemistry topic will have three components plus an extra research project.
- Develop a visually appealing workbench that gets the point across for Green Chemistry.
- Prepare two encounters that will be performed by the workbench demonstrating the chemistry. Incorporate a nanoscience encounter.
- Prepare 2- 20-minute demonstration where the tools used by a scientist might be used. Meet the Scientist. Also, engage Matthias in this program.

#### Week 1 – June 6 - 12

- Orientation
- Introduction
- Week 2 June 13 19
- Define projects; begin research on Green Chemistry workbench panels
- Establish schedules and trajectories for encounters/demonstrations

#### Week 3 – June 20 - 26

- Develop outlines/pull together materials for encounters
- Complete the workbench panels
- Have a critiqued run-through of encounter(s)
- Have Matthias give a Meet the Scientist program

Week 4 – June 27 – July 3

- Begin encounter programming on the floor between 10-12
- Modify Matthias's program for a 2 p.m. demonstration; have a critiqued run-through of demo

Week 5 – July 4 - 10

• Incorporate demo and encounters into the daily schedule

Week 6 – July 11 - 17

• Potentially begin research on second workbench topic or add in the Nanoscience demos.

Week 7 – July 18 – 24

- Deliver a buckyballs nano encounter
- Begin learning the "Nano in Nature" demo
  Week 8 July 25 31
- Deliver a liquid crystals nano encounter
- Deliver the "Nano in Nature" demonstration

Week 9 – Aug 1 – 7

- Deliver a ferrofluid nano encounter
- Deliver a "Nano in Nature" demonstration Week 10 – Aug 8 – 14
- Demos and encounters of choice

Week 11 – Aug 15 – 21

• Wrap up of encounters and evaluation



# Create Current Science Display





#### Experience Delivering Programs and Presentations

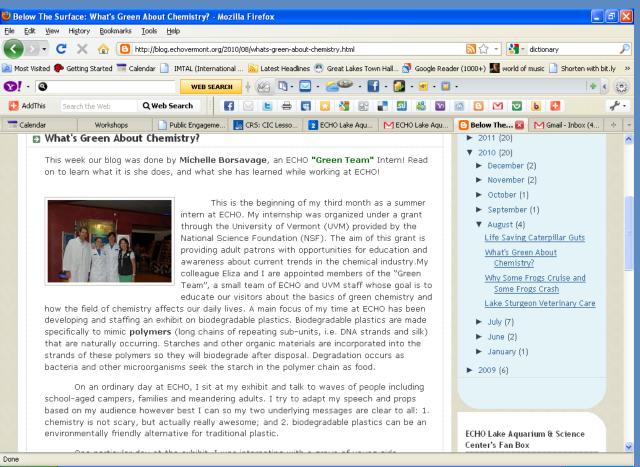








#### **ECHO Blog Reaches Another Audience**



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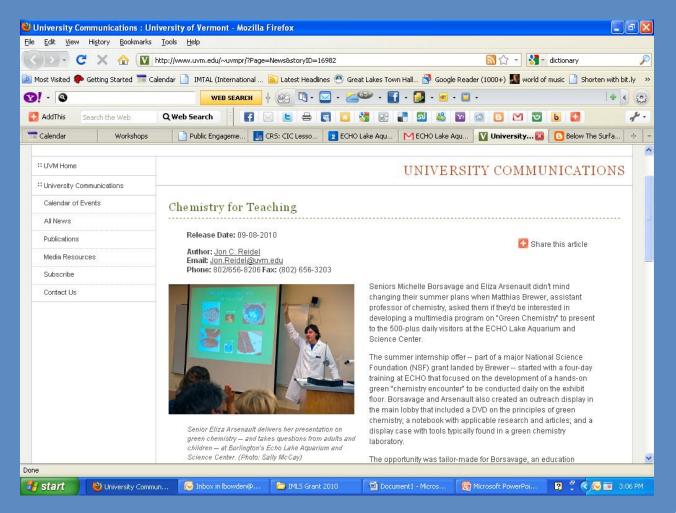
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Below The Surface:...

😡 Inbox in lbowden@...

## Put the Spotlight on your Interns On-Line Article





## We Deliver the Audience



# **Collaboration is a Win-Win**

#### For You

- Proposal funded
- Students Trained
- Public Engages with your Research Topic
- Broad Public
  Communication

### **For ECHO**

- Salary Support
- Content Specialists
- Current Science
- Broad Public Communication



Facebook: ECHO Lake Aquarium & Science Center

Twitter: @ECHOvt @cafesci

Thank you!

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