Warner Internship for Scientific Enrichment

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What is GLOBE?

- Global Learning and Observations to Benefit the Environment

- Hands-on pre-college science and education
  - Make observations and formulate hypotheses
  - Collect and analyze data

- Partner students, teachers, and scientists to gain understanding of our environment and its changes

- International collaboration!
  - Protocols: unify data collection and instrument use globally
  - Example?
Protocol Example: Water Temperature

Instrument: “Organic, liquid-filled thermometer with a temperature range of -5°C to 50°C. The thermometer must be factory calibrated and tested with standards traceable to N.I.S.T (The National Institute of Standards and Technology - United States) to an accuracy of +0.5°C, with 0.5°C scale divisions. It must be supplied with a metal jacket with holes at the bulb end to allow for circulation and a hole at the top by which to hang the thermometer.”

GLOBE water temperature protocol for thermometers
Who is GLOBE?

50,000 teachers          25,000 schools          112 countries

GLOBE partner countries in orange
What did I do?

- Attended GLOBE Partner training (June 2013, Boulder, CO)
  - Trained in multiple protocols
  - Gained ability to train teachers
- Established contacts with GLOBE Program Office members and Detroit area GLOBE partner
- Plan to set up GLOBE partnership at University of Michigan and the Ann Arbor area
What is ESWN?

• Earth Science Women’s Network
• Founded in 2002 for peer mentoring, support, professional collaboration
• **Mission:** The Earth Science Women’s Network (ESWN) connects women in the Earth sciences to promote career development, build community, provide informal mentoring and support, and facilitate professional collaborations.

ESWN founders, 2002, AGU
Why ESWN?

• Male-dominated leadership in geoscience
• Many females isolated in departments, few mentors or role models
• ESWN: informal, honest, safe community for women scientists
• Discuss important issues…
  – How do we nominate more women for awards?
  – With whom can I collaborate on research?
  – What is my institution’s maternity leave policy?
  – Will changing my last name affect my career?
Who is ESWN?

• Leadership Board
  – Design and organize networking and professional development events
  – Support online resources
  – Apply for funding (NSF ADVANCE PAID, NOAA, NCAR, AGU)

• 2000 members, 50 countries

• Early career individuals

Left: place of employment; right: career type (as of 2010)
Connecting Online and In Person

• Online
  – Web center (eswnonline.org); public and member sites
  – Jobs listserv, Facebook, Twitter
  – Discussions; 100 discussion topics, 30 topical groups

• In Person
  – Formal and informal conference networking (AGU, EGU, GSA, AMS…)
  – Regional get-togethers
  – Peer mentoring
  – Professional Development Workshops
Professional Development

• Intensive workshops
  – Female only
  – Research Identity, Networking and Communication, Leadership and Management

• Mini-workshops
  – Male and female
  – Navigating the NSF, Networking for Professional Growth, Work-Life Balance, Success on the Tenure Track…
What did I do?

• Recent website update!
• Add, update, and edit content
• Collaborate with Leadership Board
• Advertise!
THANK YOU

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