

NOAA Education Council Meeting

Date/Time: March 16, 2016 / 1:00–4:00 pm
Location: SSMC3, Room 14836
Dial-in: 866.901.0711
Passcode: 8134683
Contact: Patrick Drupp (202) 482-9183, Symone Johnson (202) 482-3260

Adobe Connects Link to Meeting: <http://connectpro46305642.adobeconnect.com/edcouncil/>

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Attendance

Tracey Hajduk(NMS), Atziri Ibanez, Frank, Peg Steffen, Ron Gurd (NWS), Kristen (MDP), Jennifer Hammond, June Teisan, Marissa Jones, Symone Johnson, Maia McGuire, Lisa H. (Seattle Fisheries), Carrie McDougall, Faith Borden, Joan Muller, Judy Koepsell, Audrey, Jon Lilley, Bronwen Rice, Patrick Drupp, Julia Galkiewicz, Christos, Marlene, John Baek, Kristen J, Michelle (OAR), Kurt Mann (NOS), Louisa Koch

DECISION: The Ed Council approves of setting up a 5-person web advisory committee

AGENDA

- 1:00 Welcome/Opening remarks
- 1:15 Bringing Wetlands to Market - Waquoit Bay NERR (*Informational*) - Joan Muller (15 min presentation/15 min discussion) - Atziri Ibanez, sponsor
- Goal 1: Curriculum will help make a more science informed society
 - Goal 2: conservation and stewardship
 - It is important that scientists as well society is informed about carbon and how carbon is stored in different ecosystems
 - Bringing Wetlands to Market Project
 - Funded by NERR science collaborative, USGS, Marine Biological Lab
 - Field investigation- to make a predictive model to figure out how much carbon is stored in a salt marsh in a less expensive way and figure out a way to bring blue carbon into the market
 - Policy and economics analysis as well
 - Developed a curriculum to go along with the research project (to link the blue carbon to the carbon trading market)
 - Target high schoolers but middle and elementary teachers use it.
 - Interdisciplinary, currently available online
 - Web based, classroom, and field based activities

- Tried out the activities with the Summer Student Program, Teachers on the Estuary Pilots and Review, asked teachers at the NERR coordinating centers what would be most useful, then a final draft and review
 - Teachers tried out activities with their classes in the fall, met in November for a call-back to give feedback on the curriculum
- Components of curriculum
 - Part 3- blue carbon monopoly simulation game
 - Part 4- provided stewardship projects for teachers to do with students
 - Adopt a wetland
 - Field study and stewardship project (salt water or freshwater wetland)
 - Curriculum is developed to allow teachers to do this virtually through Google Earth
 - Guiding questions to help students think of the marsh as a system and how carbon may be stored or lost
 - Stewardship project suggests adopting the site over a number of years to monitor and maintain it
- Curriculum is expensive so the entire program may not be used for one teacher, but they can choose which parts they want to access
- Next steps
 - Making activities using the data from the research project to include in the curriculum
 - Field training for the NERR Education Coordinators Meeting in the fall
 - New England working on a learning module that will be piloted at the Teachers on the Estuary workshop this summer
- Participant (Frank): Can P2D2 work with you to make it clear that your curriculum is in line with these standards?
 - Joan: Yes. If you have a better way, that would be great.
- Tracey: You encourage teachers to adopt the marsh afterwards. Do you give them guidance and require any sort of reporting in the time to come?
 - Joan: during the training, each group worked on the Adopt a Wetland component and during the write up, we discuss tips and guidelines that will protect the environment. The 9 month follow up for the pilot group did in fact maintain the wetland, but we need to do another follow up to see if they have continued it for a year.
- Louisa: It is great that you have teachers who use the curriculum and are following up because they can be an ally and a success story.
 - Joan: Yes. One elementary teacher is doing a workshop for elementary teachers so I hope she will promote there.
- Christos: New England & Massachusetts both have an active marine education chapter. Have you shared this resource with them?
 - Joan: Just presented at the Massachusetts Environmental Education Society Conference but have not presented at the Marine Society or the MME due to schedule conflicts.

- Bronwen: Are you planning to integrate components of the curriculum into TOTE?
 - Joan: It has already been incorporated into ours and New England Reserves will do so this summer, the NJ Reserves included it in theirs last summer and will use it more this summer. The rest of the Education Coordinators will probably incorporate it once they feel more comfortable after the training. We will not require it but it will be up to them to choose which components they want to utilize.

- 1:45 Ocean Today Full Moon Series Update (*Informational*) - Kurt Mann and Mike Shelby (15 min presentation/15 min discussion) - Peg Steffen, sponsor
- 232 videos in archive, 168 are from NOAA content, 64 from external partners, 184 videos translated into Spanish by Gulf of Mexico Alliance
 - 40 locations (35 public) including Mexico, Canada, goal to be in Shanghai, China
 - short (less than 2 min) videos that are reviewed by an individual from NOAA, the Smithsonian, Seattle Aquarium to make sure the video is targeting the 5th grade audience (and their family)
 - science and story driven videos
 - Want to reach a new audience: TEACHERS!
 - No centralized place for them to find these videos and no real brand that sticks out to them as a resource
 - Teachers want to know that something is coming on a regular basis
 - Monthly series: Ocean Today, Every Full Moon (aiming to launch in the fall)
 - Will be built into the Ocean Today website, but there will be a separate tab for this Every Full Moon component where content will be regularly uploaded so over time there will be a library
 - PBS Learning Media will have it on their site as well
 - For teachers, students, home-schoolers, museums' after-school programs
 - Intro video
 - Kiosk videos featured
 - Interview NOAA scientists to present on a topic ("Meet The Expert")
 - 3.5 minute hands-on activity
 - Want feedback on the content
 - Does it make sense for educators?
 - Can the Ed Council be promoters?
 - All videos are posted through the NOS youtube channel and the Every Full Moon videos can be uploaded there as well
 - Atziri: What evaluation are you doing on the kiosks to measure the impacts you are having?
 - Looking at what attracts people to walk over to the kiosk, organize the video around the intent of visitors at each of the visitors
 - Another round of evaluation next year hopefully
 - Carrie: Is there a partnership to be formed between SOS (Explorer) and Ocean Today?

- Yes. We have discussed having an option where if someone is creating a playlist for SOS, they can pull a link up of a related Ocean Today video.
- Christos: This is something we would like to share with the CELC network. Maybe you can ask your audience if there is anything you should be doing to better meet their needs.

2:15 Break

2:30 Building a Weather-Ready Nation Through FEMA-Certified Training (*Informational*) - Owen Shieh (15 min presentation/15 min discussion) – Faith Borden & Kerry Jones, sponsors

- Founded in 2009 after Hurricane Katrina as a member of the Consortium of Training Institutions
 - Only one focused on natural hazards
 - Funded by FEMA, but cooperative institute with University of Hawaii, Weather Ready Nation ambassador
- Develop and deliver training courses to target audience of emergency managers and responders at the state and local levels
 - Delivery is mobile so they send instructors into the field
 - All 50 states and 5 territories
- Challenge is to bridge the gap between operations and societal applications.
 - Training has a huge component of better communicating science to decision makers
- Training course
 - Overview of the hazard
 - Forecasting process to train them to appreciate the uncertainties in the process
 - Warning dissemination
 - Preparedness and safety activity
- Course development process
 - Identify a need that is approved by FEMA
 - Contract with subject matter experts to help develop the course
 - 3 demos or pilots (over a year)
 - Mobile training
 - Science expert matched with a decision maker (first respondent or emergency manager) who both teach the training course
 - Courses: Tornado Awareness, Hurricane Awareness, Winter Weather Hazards Science and Preparedness, Climate Adaptation Strategies for Emergency Services
 - Some courses are targeted at certain people in the community
 - Tool-based courses: unmanned aircraft systems,
 - Social media courses: how best to use social media in these crises
- NWS Feedback
 - Increase hazard weather awareness through standardized FEMA training
 - Bridge national and local training infrastructure

- Education Strategic Plan
 - Goal 3- hazard based training
 - Can Ed Council provide a means to promote these training courses?
 - Can NOAA provide subject matter experts or check that training course information is aligned with NOAA outreach goals
 - Participate or co-host symposiums
- Carrie: How does your training differ from NOAA Coastal Services Center training courses?
 - Owen: We target first responders more...There is a lot of room for more collaboration.
- Owen: Emergency Preparedness on Campuses can be available to high school teachers/schools, not just colleges.
- Climate and Health is an area that we need to have more training on in communities.
- Internship program may be available to Hollings/EPP students.

3:00 Next steps for managing Education Portal content on new website (*Decisional*) - Marissa Jones (15 min presentation/15 min discussion)

- Revising NOAA Education website and the Office of Education website
- Want to develop a Web Advisory Committee to represent the NOAA Education community but will not rely specifically on the Council
- Committee members (about 5 members) will provide guidance on the site, content, reviewing status of the website quarterly, think of new creative ideas to convey information, make sure the website meets the needs of users
 - will not be more than 5% of your time
 - do not need to be Council members
 - people who have a knowledge of and interest in NOAA education resources
- feedback from other users (besides Feds) including educators and others who use the site
- Council members submit nominations in March, recommendations made by OED to CoCom, CoCom reviews and finalizes nominations, Ed Council votes on nominations, first meeting in April

Does the educational council approve setting up this five person advisory committee?

DECISION: yes

3:30 Updates and announcements

- Ron Gird: finished science review of Smithsonian middle school weather unit (including climate and ocean as well)
- Frank: P2D2 finished first round of task that will be presented on NOAA education website, promotional materials underway, will be ready to engage in two weeks
 - NSTA virtual conference March 12 – 100% of attendees said they enjoyed the conference and would attend again
- Atziri: Data in the Classrooms revisions moving forward
- Peg: excited about the NGSS materials, March 22 White House Water Summit, Climate

Game Jam on water in April (open to K-16 years old) and showcase in the Smithsonian over the summer

- Bruce: NSTA Sessions- Climate Change Workshop on April 2, NOAA Climate Stewards, Climate Program Office, U.S. Ice Core Drilling Program
 - NOAA Climate Stewards- webinar on sea level rise on April 11
- Tracey: looking for a more formal agreement with Americorps
- Julia: Sea Grant 50th anniversary has kicked off, thanks to everyone who joined the reception last week. Keep your eyes open for a year's worth of stories and highlights on Sea Grant impact!
- Maia: Julia has also been coordinating a webinar series for the Sea Grant Education Network. These webinars are open to anyone who is interested in attending--they are every other month, on the 3rd Tuesday at 3 pm (there was one yesterday on vessel-based education). The webinars are being recorded and can be found on YouTube (Sea Grant Education Network channel). Hopefully Julia can send an announcement to the Ed Council network when the May webinar is finalized!
- Jon: CELC workshop went well, 19/25 education directors came together
- Kristen: CSC EPP competition closes at the end of March, scholarship announcements for Hollings and USP will come out April 1

Upcoming Council Meetings:

April 20, 2016

May 18, 2016

June 15, 2016

July 20, 2016

August 17, 2016

September 21, 2016

October 19, 2016

November 16, 2016

December 21, 2016