

Date: Monday, July 18, 2011

Present: A. Newman, D.S. Stamps, I. MacGregor, D. Carlson, S. Wdowinski, M. Miller, S. Semken, S. Olds, V. Sloan, M. Berg, M. E&Ober

Absent: D. Marsland, J. Taber, J. Ryan, E. Hill, B. Lillie, L. Dahlman

Chair, Andy Newman brought meeting to order at 1:10p (MDT).

Agenda Items

- I. Approval of last months meeting minutes
- II. E&O Evaluation Summary from NSF
- III. RESESS Update
- IV. UNAVAPP

I. Review and Approval of Last Meeting Minutes

A. Quorum not available; defer to a subsequent meeting. *(Group later decides these can be approved via email and that today's minutes will be an amendment to the previous month.)*

II. E&O Evaluation Summary from NSF

A. Dave Carlson reports E&O has not received a final report from NSF yet. NSF is probably working with the contractor to make changes. From draft originally sent, it looks like a good report. M. Miller agrees.

III. RESESS Update

A. Valerie Sloan reports that students gave practice talks last week. Val has met with each student and their mentors to help facilitate this. Students are wrapping up data collection etc. and starting on abstracts for publication and conferences. RESESS had offsite students presenting as well. RESESS will have final presentation and poster session August 3rd and 4th.

B. Two EarthScope proposals submitted involving UNAVCO. On both the PIs opted to include funding for a RESESS; E&O has developed a standard budget for these, to cover actual costs of student participation (travel, summer salary, housing) but not program costs (e.g. writing instruction). Sloan anticipates that we might have difficulty finding students with math, physics and other science backgrounds as desired by geologists.

Questions/Comments

A. Newman: The Shell internship, it is going well?

- V. Sloan: its not as much a joint endeavor as was hoped. This is the first geoscience intern they have had, but they seem happy to be doing it with us. During practice talks you were

able to tell that his work has been at another level that RESESS is not used to. Very corporate minded.

D.S. Stamps: Is it easy to coordinate remotely?

- V. Sloan: Yes, E&O used WebEx and it worked very well. Both offsite students will also be coming to Boulder for final presentations.
- D. Carlson: Remote access has worked well, including chatter among remote and in-room students. You could also tell that whom the Shell Intern was working with was very hierarchal based, however he is getting a marvelous technical experience.

D.S. Stamps: Students may be getting valuable experience having to do things remotely, which has increasingly become a vital skill in today's working society. Suggestion is made that RESESS start using remote communication more frequently, and especially with the outsourced interns.

IV. UNAVAPP

A. D. Carlson reports that E&O has been pushing for this prototype. Focus on UNAVCO and community with demonstration. Idea is to explore. Seeking outside resources to get us started, but can do internally once E&O is on track. Objectives are:

- 1) Develop prototype iPad application(s) focused on UNAVCO tools and activities.
- 2) Explore these technologies as tools for internal, community and public communication and education.
- 3) Have a demonstration system in place for inclusion in September 2012 renewal proposal.

Components will include an interface/access page, a mapping function, a geodesy tools function, and an activities function. E&O sees interesting options in recent iPad apps for arranging these functions in zoom and pan 2-D space and for linkages among the components. E&O defines a target information level beyond the general public but not as far as an actual data download / research capability - a middle-level information tool for the UNAVCO community. Starting points will include Cascadia for maps and perhaps activities and strainmeters for tools; the rich array of existing Cascadia materials allow us to explore how best to re-use existing materials, while the strainmeter focus will stimulate us to develop new content.

E&O proposes only a prototyping exercise, to explore options and technologies for each of the four components (access, map, tools, activities). E&O needs to understand how much we would have to write (code), how much could be used from others, how much can be recycled of what UNAVCO already has, and how E&O can share and link these materials. E&O feels that we must explore these technologies; many of our partner and sponsors organizations already move in these directions.

E&O propose a series of three 6-month temporary appointments or contracts, with the goal of getting us up to speed on these technologies ASAP. E&O expects to start with design and consulting assistance and move thereafter to programming assistance; E&O will see what is needed, 6 months at a time. In general, E&O wants to develop these skills in house, but needs external start-up help.

E&O plans to keep a broad cross-section of UNAVCO staff involved and informed to ensure

an organization wide view of how these options might play out for UNAVCO.

This group will help us explore convergences with or compliments to web or print products, user interest, internal and external partnerships, and relevance to classrooms and curricula.

Questions/Comments

S. Wdowwinski: Sounds exciting.

A. Newman: Are the iPads mostly in the USA? Will we want to have a more global reach? Also, write in a platform independent language (e.g. HTML 5) to allow more use.

- D. Carlson: write in platform independence, but we also need to get experience in this technology. Looking at future platforms, should we choose instead to write for Android or the Apple app? Where it goes in the future is the question. Right now, a lot of software development focuses on the iPad. We look at three recent examples: EarthObserver (the iPad version of GeoMapApp), NSF360 (new iPad app), and the Al Gore iPad book, Our Choice – technologically advance.

D. S. Stamps: Outside personnel will train UNAVCO E&O staff?

- D. Carlson: That is our hope. Hiring outside resources would allow us to get this going quickly, but once everything is in place, developing and maintaining this can be staffed internally.

A. Newman: IRIS has developed HTML 5 files that we can use as a starting model

I. MacGregor: Coordination is the key. Working with and along side of EarthScope, IRIS etc. Taking advantage of this and making it a group effort to develop a stronger product.

S. Semken: EarthScope would be willing to do this. An education component should be added.

D. Carlson: Please note that we are not building this as a data access tool. Through browsers, can already look at time-series on iPad. IIS has several seismic data viewers in development that they might want to port to tablet applications.

OPEN DISCUSSION

D. Carlson suggests committee takes August off and start again in September.

- A. Newman in favor
- M. Miller: if we are going for TUES proposal in January 2012 for the geodesy curriculum, then we should at least meet on this subject. In communication with a fellow colleague, a suggestion was made to find someone in the community that would be willing to work with stakeholders etc., turning those needs into coherent modules for the proposal. If we have progress, this could be good to discuss in August.
- D. Carlson: E&O has an INSAR short course scheduled for week of 8 August. We could have status of NSF Evaluation at that time. Suggests meeting at another date/time in August?

Group agrees to check on status of NSF evaluation and TUES proposal ideas in late July. Decision to be made to send out request for availability for month of August. (M.Weber to send Doodle)

A. Newman asks on status of having meeting with different E&O committees

- S. Semken: E&O Providers Summit scheduled for next spring as part of new EarthScope national office plan. Waiting for budget approval before announcing to public.

Chair, Andy Newman closes meeting at 1:45p (MDT).

Approved