Report from the LTERMapS Internet Mapping 2009 Post ASM Workshop

The LTERMapS team met March 29-April 1, 2010, at the Network Office in Albuquerque, NM. Team members are Theresa Valentine (AND), Jonathan Walsh (BES), Jamie Hollingsworth (BNZ), Adam Skibbe (KNZ), and John Carpenter (GCE). The following LNO staff also participated: John Vande Castle, Marshall White, Yang Xia, and James Brunt. Two video teleconference calls were held with the LTER IM community during the workshop.

The goal of the meeting was to complete the migration of Phase 1 to the LNO and build a prototype for Phase 2 using detailed data from the five participating LTER sites.

Products of the meeting:

1. Software/Applications:
    a. Completion and migration of LTERMapS Phase 1 to the Network Office Servers and webpage. http://www.lternet.edu/map/ Application is integrated with SiteDB. Updates to SiteDB are automatically updated on LTERmapS.
    b. Application works on hand held devices as well.
    c. Installed ArcGIS Server on Network Office Server
2. Documents:
    a. The project is documented on the LTER IM portal, with all meeting notes and documents. http://intranet.lternet.edu/im/project/LTERMaps
    b. A guide for using the Google Maps API http://intranet.lternet.edu/im/files/im/Beginning_Google_Maps_API.pdf
    c. Documentation for the LTERMapS website http://intranet.lternet.edu/im/files/im/LTERMapS%20web%20map.doc
    d. Phase 2 specification document http://intranet.lternet.edu/im/files/im/LTERmapS_Phase%202_Implementation_Plan.doc

3. Articles:
    a. DataBits Article (Spring 2010)
    b. Network News Article (Spring 2010
4. Multimedia:
    a. Video of LTERmapS VTC from workshop
5. Presentations:
    a. Andrews 2010 Annual Symposium (April 2010) speaker: Theresa Valentine http://andrewsforest.oregonstate.edu/pubs/annlsymp/annsymp.cfm?year=11&topnav=43
    b. LTER 2010 Science Council Meeting: May 2010 speaker: Jamie Hollingsworth
    c. Baltimore Ecosystem Study Annual Meeting October 2009: speaker: Jonathon Walsh
    d. Demonstration at the ESRI International User Conference (US Forest Service booth by Theresa Valentine)
6. Posters:
    a. LTER 2010 Science Council Meeting

      b. Konza Symposium: Adam Skibbe

7. Other products:
      a. Prototype for Network level data for Bob Waite (currently in the works)
      b. Developed proposal for follow-up workshop in November 2010 at the HJ Andrews focused on Phase 2, integrating site GIS data metadata with EML, develop proposed LTER standards, and work on getting better location data into site specific EML documents so that it can be used by projects such as LTERmapS.

Connecting with PI's: Theresa Valentine presented the project to the Andrews PI's and received support and suggestions. The presentation at the Science Council by Jamie Hollingsworth provided additional opportunities to engage LTER Scientists in the project.

Suggestions include adding additional continental data sets to phase 1, color coding LTER sites by domains, adding additional sites (NEON, NBII, etc), adding international LTER sites. Team members are collecting suggestions and adding them to the Phase 2 operational plan.