



February 22, 2006 & February 23, 2006 HydroXC Workshop Summary

Dear Members of the Hydrology XML Consortium,

In February, we conducted the first HydroXC Workshop of 2006 in two sessions to accommodate all attendees. Both sessions followed the same agenda, beginning with opening remarks from Jon Roe, Chief of the Hydrologic Software Engineering Branch (HSEB) of the National Weather Service (NWS) Office of Hydrologic Development (OHD) and sponsor of the HydroXC activities to date. Jon's introduction reviewed a brief history of the Consortium and the different phases that this XML project has undergone. He also reiterated the meaning and benefits of the collaboration between members of the hydrologic community.

Next, Andrey Ignatov presented an example of how two existing flood mapping applications in use at the NWS today, FLDWAV and FLDVIEW, could be updated to exchange data in a HydroXC-compliant XML format. Andrey described the applications and presented the general outline of the resulting dataset and each of its components. Attendees liked the example and immediately moved the discussion to how the dataset could be further updated to support other flood mapping applications. During both sessions, attendees brought up time tracking, including when the forecast was made and how long it is valid. It was also clear that, while the example demonstrated how FLDWAV and FLDVIEW might use the resulting dataset, there were some data elements that would need to be generalized further before other flood applications could use the data model.

After the presentation there was a short discussion, open to everyone on the call, about meaningful next steps for HydroXC. It was clear that members are ready for some practical tools that could be used by anyone. After the suggestion by Andy Carter, Jon Roe asked that Consortium members provide Apex with common physical or data objects or transactions that should be defined in the HydroXC-compliant XML format, such as rating curves or flood forecasts.

Finally, the groups discussed ways to continue and grow collaboration among Consortium members. Jon Roe also requested some assistance in locating long-term funding for the Consortium. David Maidment, from the University of Texas, runs the GIS Water Resources Consortium and discussed the possibility of the two groups working together in some capacity. Michael Perryman, from the US Army Corps of Engineers, said he would look into possibility collaboration through USACE's R&D group.

This Workshop summary will be posted on the HydroXC website for future reference. Attendees are listed below.

The next HydroXC Workshop is scheduled for Wednesday, March 29th from 1:00 to 3:00pm EST. This workshop will include presentations prepared by two of our collaborators about their work with XML. By now you should have received your initiation and those who are attending will receive more information about this web conference as the date approaches. If you need further information please contact Andrey Ignatov (aignatov@apexds.com) or Dee Ann Pizzica (dpizzica@apexds.com). The workshop will be hosted from the office of Apex Digital Systems in Silver Spring, Maryland, and broadcast over WebEx.

We look forward to talking with all of you during the March Workshop.

February Workshop Attendees

Day One:

- Ernie Daddio, Riverside Technology
- Dean Djokic, ESRI Water/Wastewater Services
- Russell Erb, OHD
- Andrey Ignatov, Apex
- Stephanie Liu-Barnes, Apex
- Manuel Mattke, Apex
- Albert Momo, OHD
- James Paul, ABRFC
- Michael Perryman, USACE Hydraulic Engineering Center
- Michael Piasecki, Drexel University
- Dee Ann Pizzica, Apex
- Jon Roe, OHD
- Mark Woodbury, Riverside Technology

Day Two:

- Steve Brady, USGS Kansas Water Science Center
- Andy Carter, Wier & Associates
- Larry Cedrone, OHD
- Russell Erb, OHD
- John Halquist, NCRFC
- Andrey Ignatov, Apex
- Don Laurine, NWRFC
- Stephanie Liu-Barnes, Apex
- Harold Opitz, NWRFC
- David Maidment, University of Texas
- Ken Pavelle, OHD
- Dee Ann Pizzica, Apex
- Dan Pokorny, NCRFC
- Jon Roe, OHD
- Jean Vieux, Vieux & Associates
- Mark Woodbury, Riverside Technology