

Sponsoring Member:



Members:



Technical Consultant:



Organizational Statement

The Hydrology XML Consortium (HydroXC) is an open, independent group of organizations working for the advancement of hydrologic forecasting through open communication and data sharing. Membership in HydroXC is available to individuals and organizations who have an interest in hydrologic forecasting, such as federal agencies, organizations from the hydrologic research community, academic groups and others from the private sector.

HydroXC seeks to foster accessibility and the sharing of hydrologic forecast data by creating a forum for those in the hydrologic community to explore best practices for communication and data sharing. The formation of HydroXC will further the science of hydrology through a community effort working towards efficient and straightforward processes for sharing hydrologic information.

Phase 2 – Implementation Goals

The National Weather Service (NWS) Office of Hydrologic Development (OHD) is sponsoring the second phase of HydroXC's work. The purpose of the work in phase two is to increase involvement by member organizations and to expand the HydroXC schema by demonstrating how HydroXC-compliant messages could be exchanged in an application. There are three areas of focus for the second phase of activities, as follows:

- **Conduct research:** Survey all 13 NWS River Forecast Centers (RFCs) regarding their knowledge and use of XML in any form, and document the findings.
- **Conduct development:** Collect additional data samples from members of the HydroXC and from RFCs and demonstrate how these can be represented in HydroXC XML format. As part of these activities, make any changes required in the HydroXC XML schema to enable appropriate modeling of such data. In addition, analyze the OHD applications FLDWAV and FLDVIEW and how they exchange data with each other, with the objective of designing a HydroXC XML-based data exchange format for the applications.
- **Conduct community building:** Continue to interact with Consortium members and conduct several meetings or conference calls for presentations on relevant topics, improvement of the XML schema, and general discussions about the use of XML in day-to-day hydrologic activities.

For more information please contact Alexis Karnauskas, Apex Digital Systems – (301) 588-9767 with questions, comments and suggestions.