

XEFS Planning Meeting – 16 April 2009

Attendees: Rob Hartman, Edwin Welles, Julie Demargne, Chris Dietz, DJ Seo, Hank Herr, Deb Atkins, Xuning Tan, and Mark Fresch

The meeting focused on the planning of the next stage of XEFS, the re-factoring of the prototype components (HMOS, EnsPost, EPP3, and EVS) code into baseline supported code. Before that there were a few items updates and questions.

### **New Version of FEWS**

Deltares was asked when the next version of FEWS will be available and whether the new version will include the ability to select analog (events). Edwin explained that the next version of FEWS will be available in June (09). The new version will have the same capability to select analogs, but no expanded capabilities (as has been discussed for verification). The new version will have 'basic' IFD MODs

### **MODs**

Changing parameters for XEFS prototype components integrated into CHPS-FEWS will go through two possible stages. Before a CHPS-FEWS GUI is available for changing a component's parameters, changing the parameters is done manually via changing an XML model adapter configuration file. Eventually parameter changes will be made via a menu or sub-GUI of the Interactive Forecast Display (IFD). Although ideally, the MODs GUI would be changed as the model adapter is changed to handle component parameter changes, GUI MODs are not required for the prototype components.

Action: DJ Seo to describe EPP3 MODs to Albrecht.

### **Planning re-factoring of XEFS prototypes**

Mark wanted to start planning the re-factoring of the XEFS prototype components into the CHPS baseline and at least like to prioritize which of the prototype components should be re-factored first. This quickly was shown to be an improbable task.

Chris and Edwin pointed out a major constraint to doing planning is the uncertainty of Deltares and OHD HSEB staff. They explained that the NWS-Deltares CHPS contract is aimed at CHPS migration and has been laid out for all years, and that contract has very few Deltares staff resources for ensembles, calibration, and flash flood guidance. In addition, OHD HSEB staff will be busy working on CHPS migration through 2010. Chris offered the best she can do is help steer the CAT II which will determine migration priorities. Rob H. added that prior to XEFS becoming operational, calibration needs to be easier, including parameter estimation and gathering of data into CHPS.

DJ added that the field testing of the prototype components may also drive necessary changes to the prototypes before their re-factoring. At this point, there is no way of knowing whether that will be needed for any of the components.

**XEFS Priority**

[Soon after the meeting, Chris Dietz added, “ Gary Carter has recently stated/repeated that XEFS is our Number One priority.

So I'm actively working within OHD to make sure additional resources will be assigned to the XEFS (HEFS?) project once we've got the CHPS essentials under our belt.

Meanwhile Deltares and OHD are also actively working on establishing a Cooperative Research and Development Agreement (CRADA) - Geoff Bonnin and Ken Pavelle are the OHD focal points.”]

Mark Fresch