

Product Generator in CHPS

Hank Herr



2nd RFC Verification Workshop, November 18-20 2008

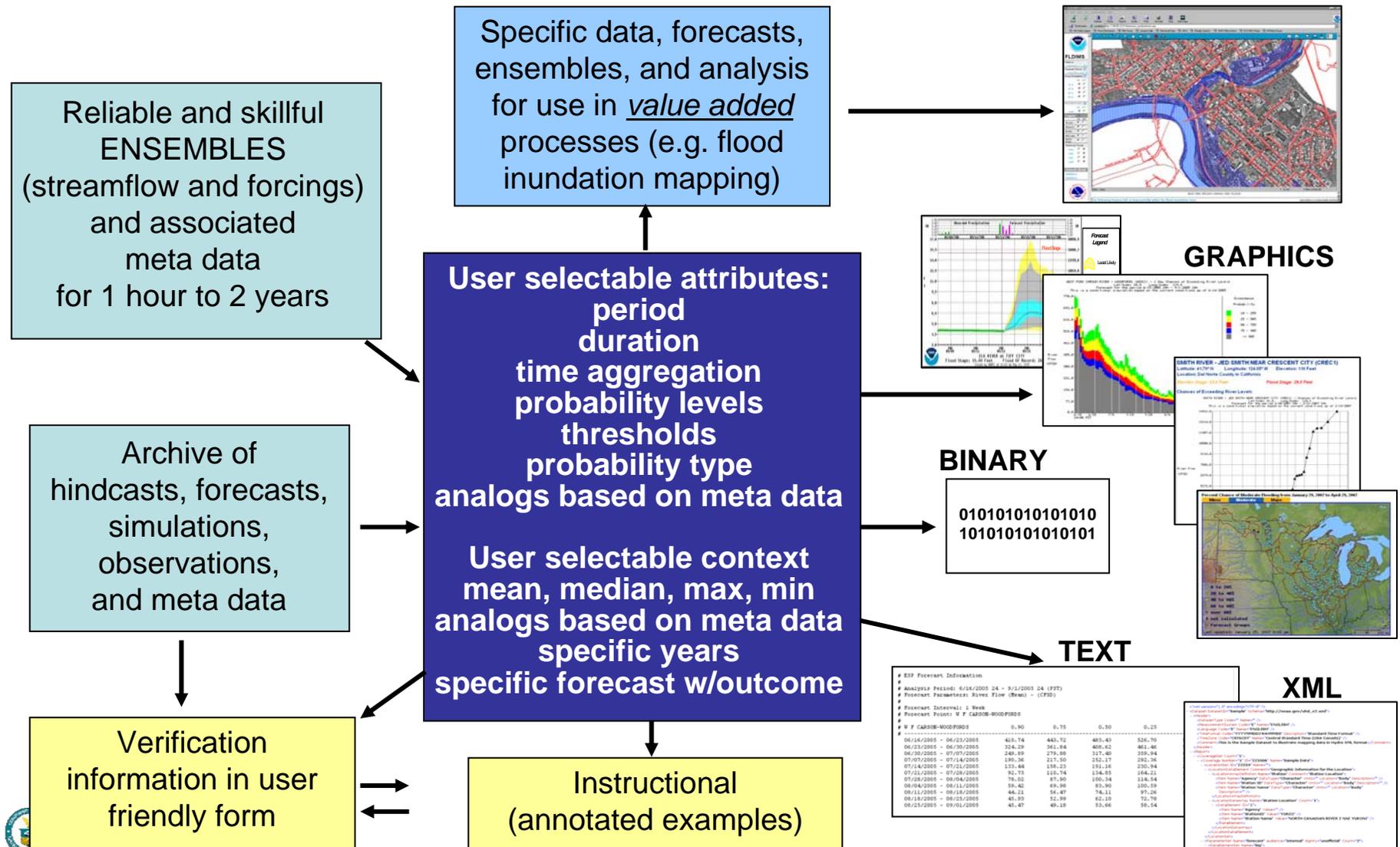
Ensemble Product Generator (EPG)

- EPG will have
 - Product generation subsystem
 - Batch interface
 - Ensemble user interface
 - Web interface
- EPG will
 - perform statistical analysis of ensembles
 - generate products/information for customers/partners
 - generate information/visualization for internal decision support (e.g. flood forecasting)
 - integrate with verification system to provide context information (e.g. reliability relative to specific product requested/generated)

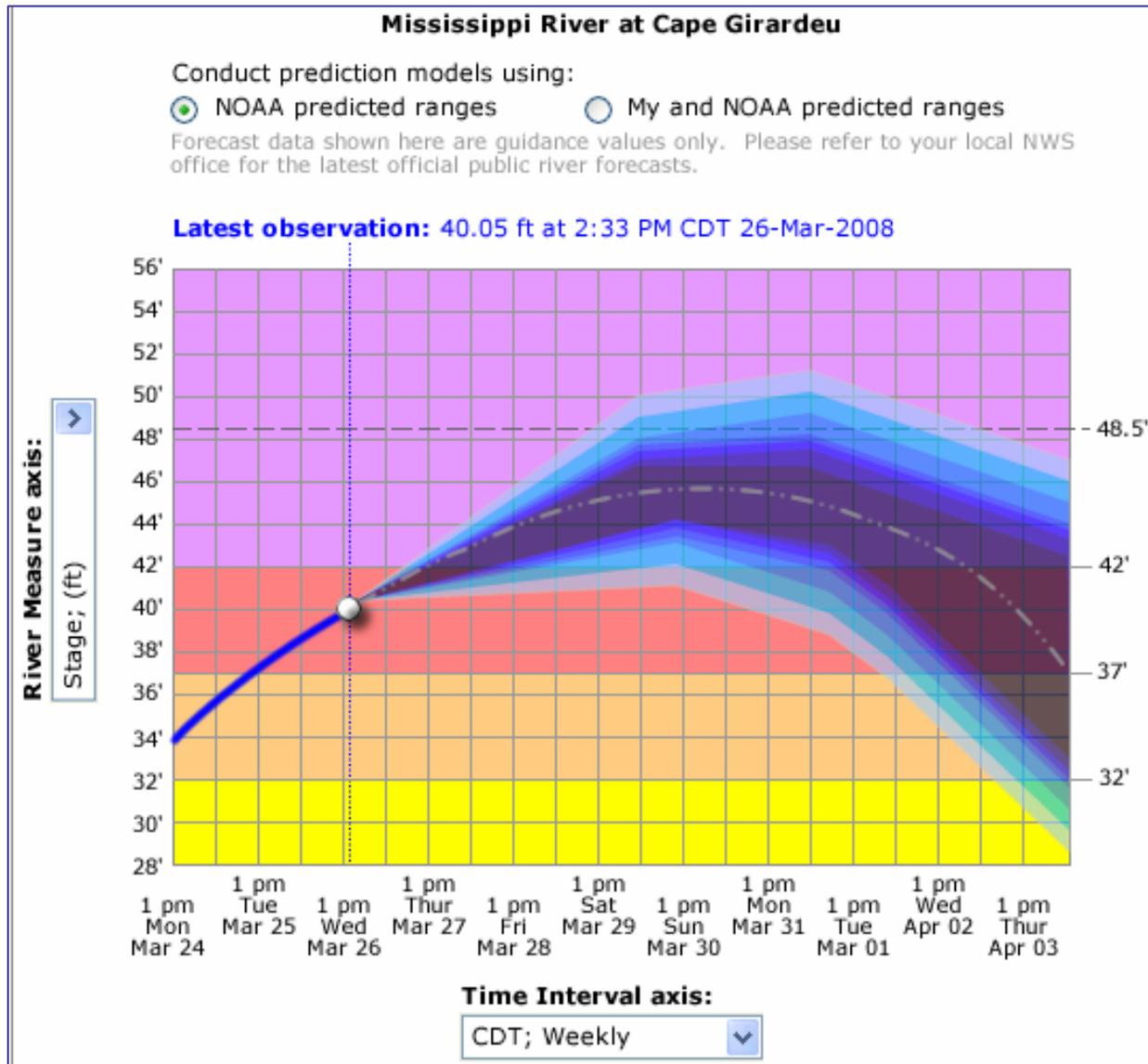


Ensemble Product Generator

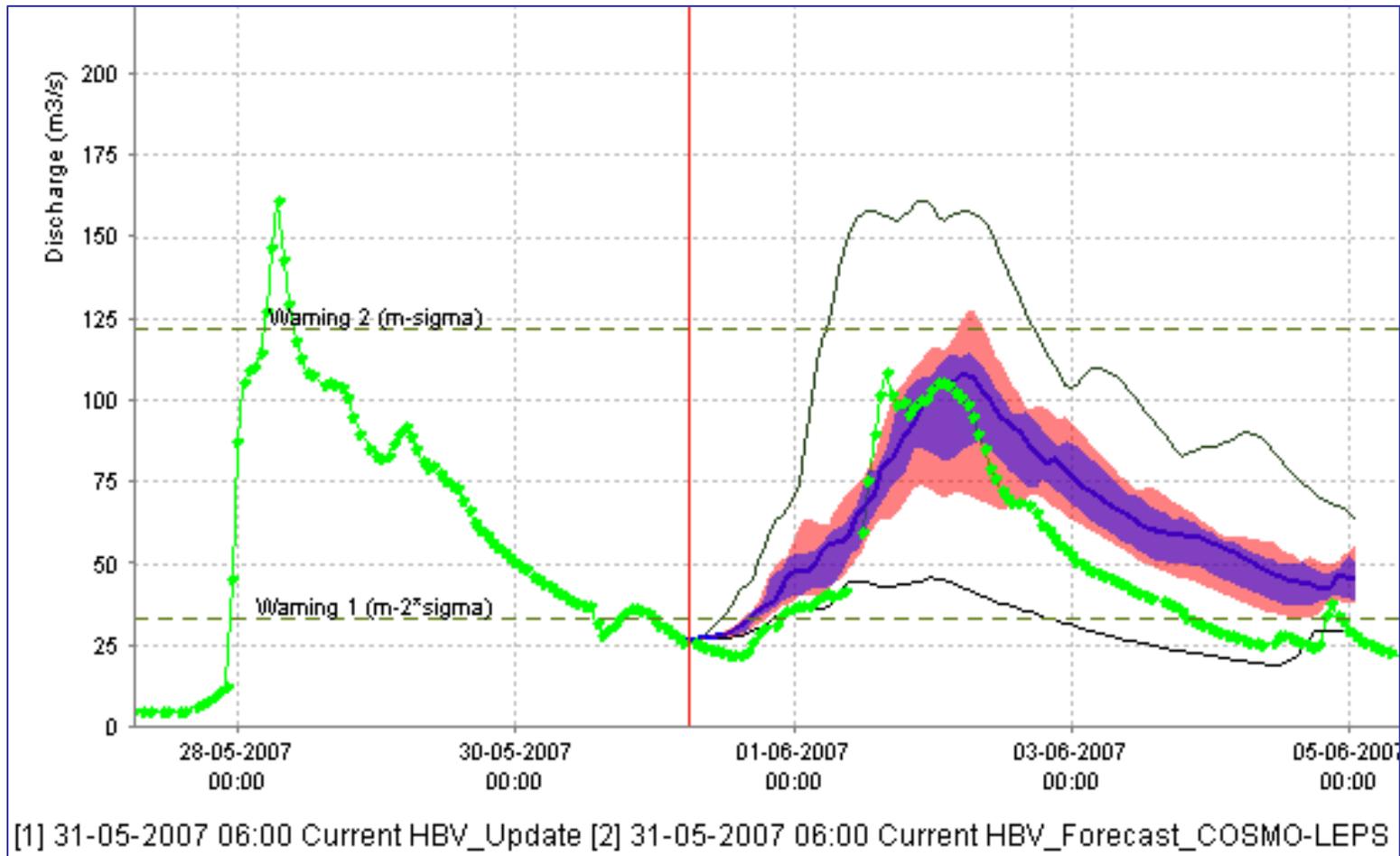
- EPG Inputs: single-valued forecasts/hindcasts, simulations, ensemble forecasts/ hindcasts, observations, model states, rating curves, metadata...



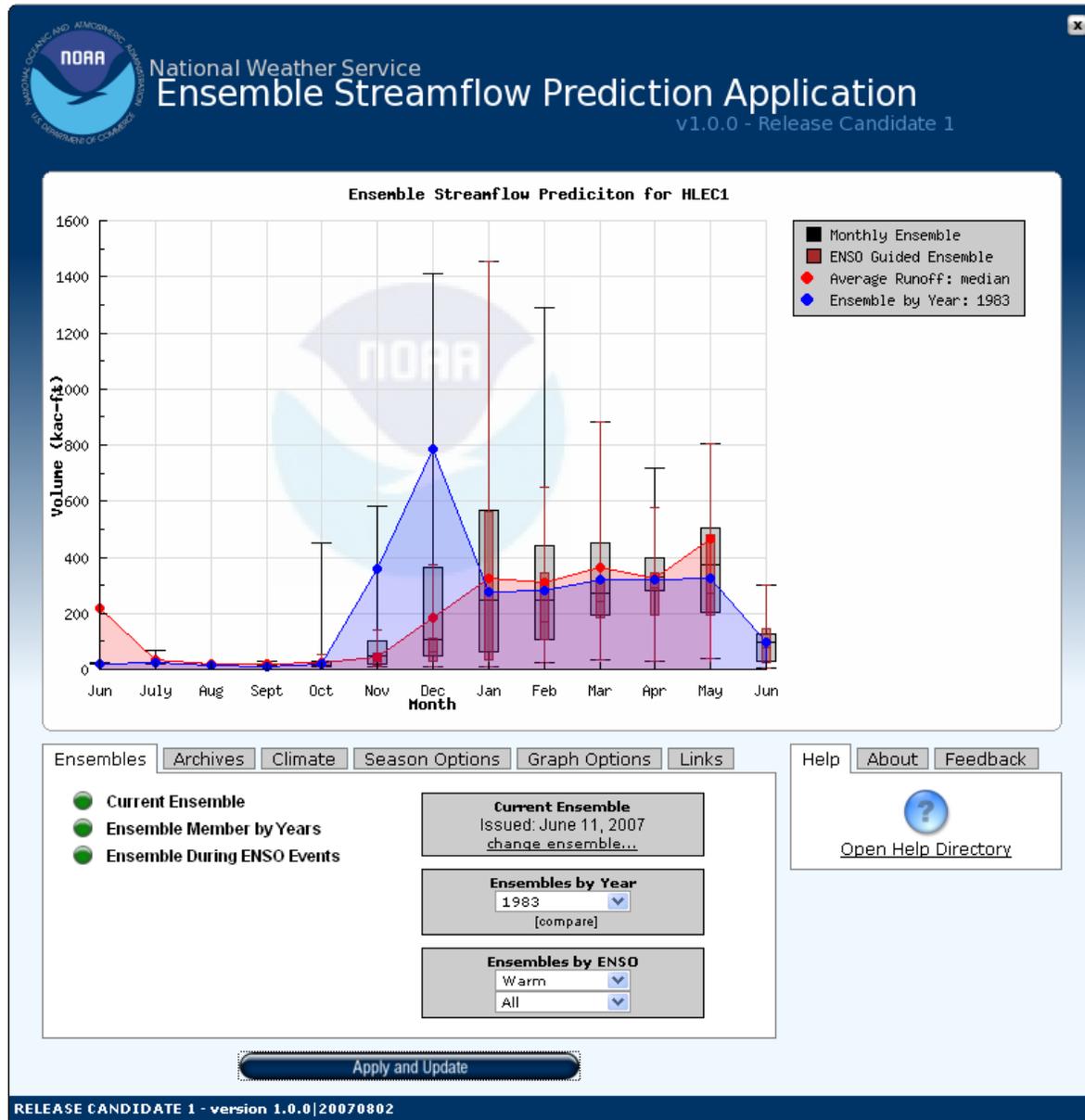
EPG Outputs: Examples



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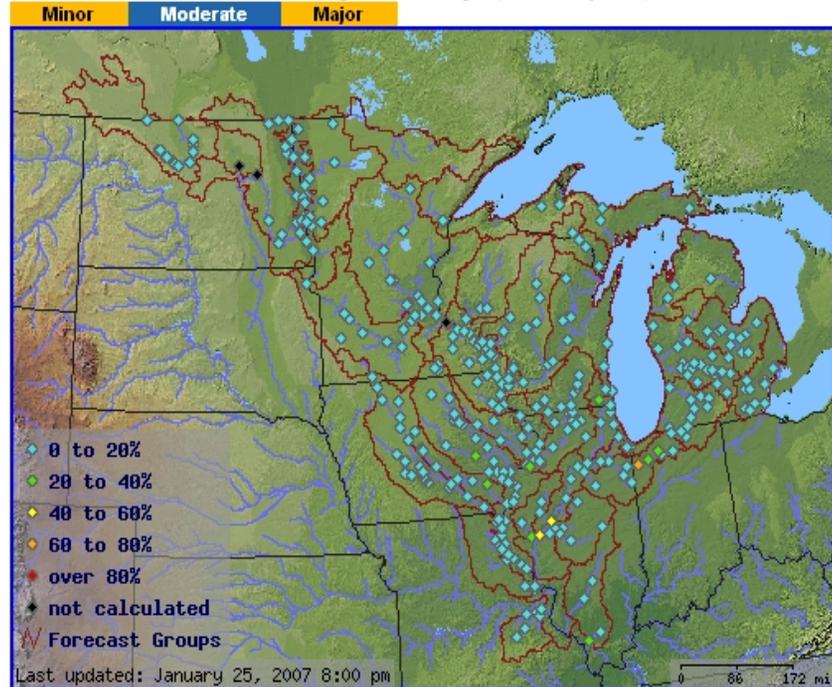
EPG Outputs: Examples

Ensemble Streamflow Prediction

Click on a point to go to the location's AHPS page. Click within a forecast group to zoom to that forecast group. Select a flood category tab to switch categories. From the forecast group view, select the same flood category tab twice to return to the main image for that category.

These maps are updated on the 4th Thursday of the month and are based on the current conditions as of **January 22, 2007**

Percent Chance of Moderate Flooding from January 29, 2007 to April 29, 2007



Thu Apr 10 15:01:28 EDT 2008 GFS Ensemble Summary

