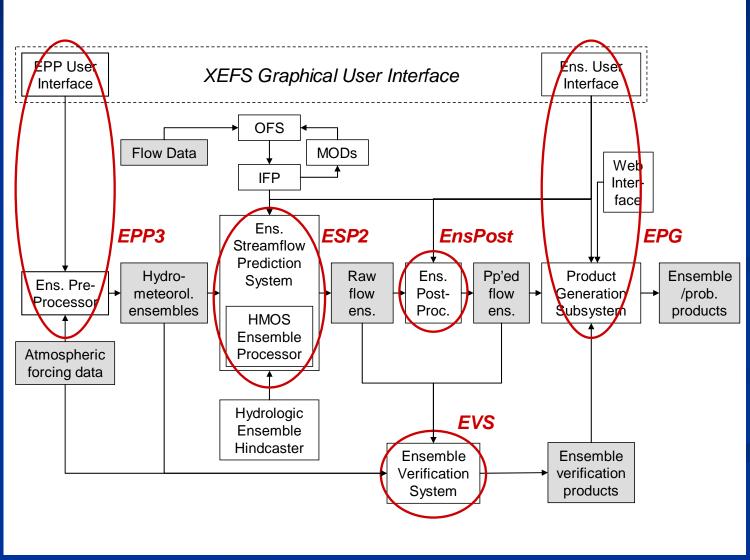


XEFS Ensemble Product Generator - EPG

Rob Hartman
NOAA's National Weather Service
California-Nevada River Forecast Center
Sacramento, CA



XEFS Components



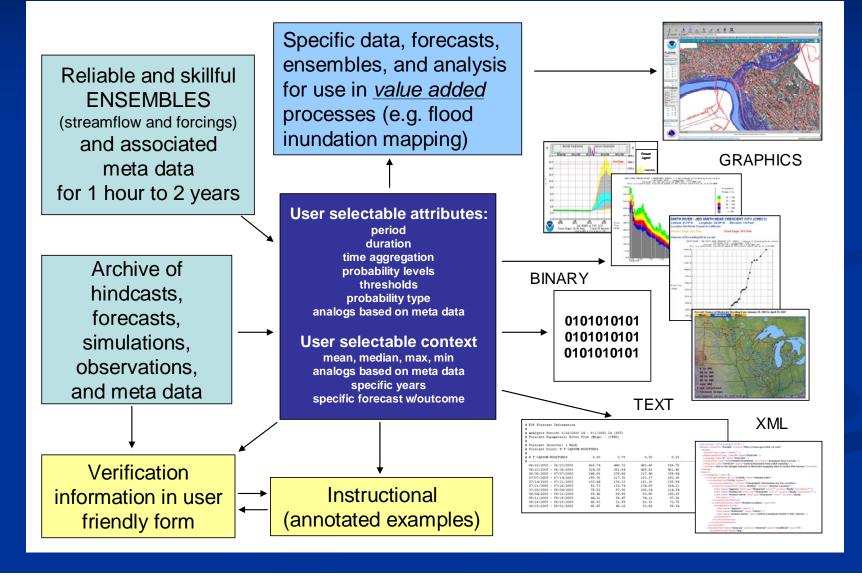


Product Builder

- Series of queries that help user (external users and forecasters) interactively select the location, duration, period, parameter, and risk aversion
- Various display modes provide several ways to look at the information
- Options limited to those that have an acceptable level of skill and/or make sense
 - selections outside of this (quality-controlled) range could use simple climatologic analysis with user notification of such
- This is a base requirement of extreme importance
 - Web service may have to be adjusted to support this



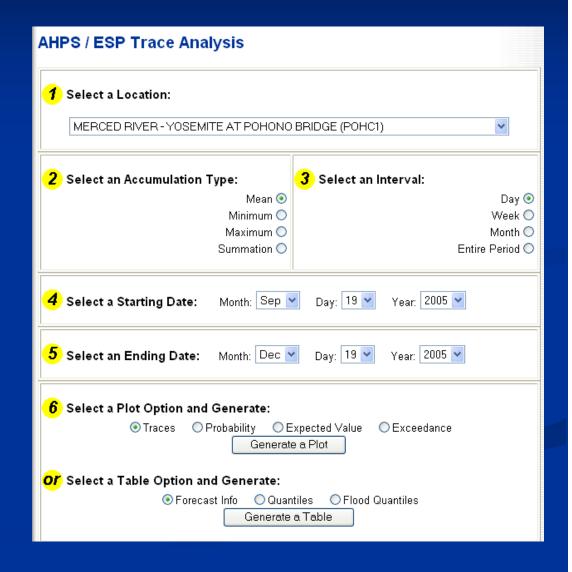
XEFS Products and Services





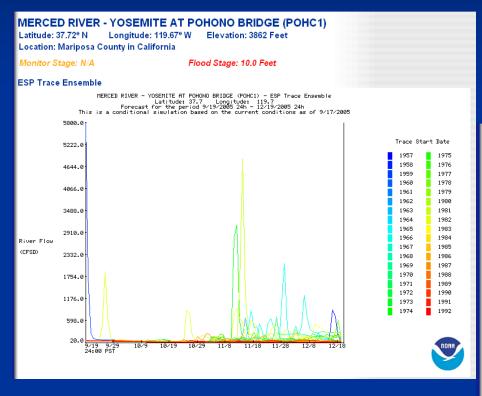
CNRFC Web-Based Ensemble Guidance

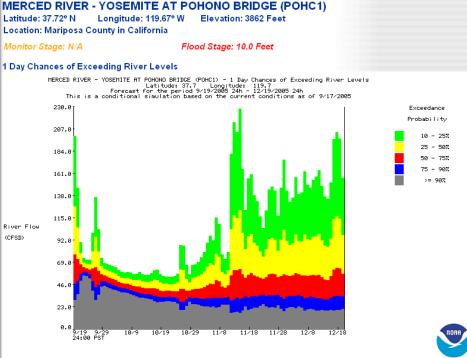
- "Create Your Own"
- Ensembles run nightly
- Interpretive tools
- Assumes knowledgeable user





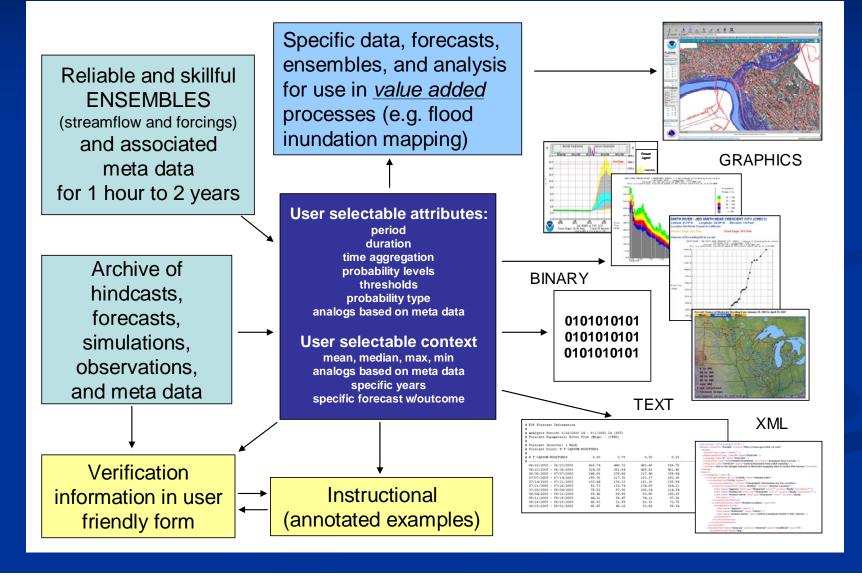
Post-processing Ensemble Guidance







XEFS Products and Services





Design Process

- Begin with what we have/know
 - ESPADP
 - Ensemble Verification System (EVS)
 - Hydrologic Ensemble Hindcaster (HEH)
 - Aptima Report
 - OCWWS Requirements
- Prototype new system centered on data from FEWS, EVS, and Archivedb



Thank You