Distributed Modeling: Overview of Research to Operations

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Research to Operations Path for NWS Operational Distributed Modeling



OHD Strategic Goals

Increase the lead times and accuracy of warnings and forecasts, especially for flash floods

Evaluate and implement new, higher resolution distributed models

Enlarge the suite of predictands, including soil moisture, low flows and water quality parameters

Research Activities and Projects

- -DHM-TF
- -GFFG
- -HL-RDHM/DHM
- -A priori parameters for SAC,
- Snow-17
- -Calibration
- -Assimilation
- -DMIP 2
- -Subsurface linkages
- -Evaluation of forcings
- -Prototype support
- -Distributed SAC-HT
- -Distributed Snow-17

-Distributed Models

-Parameter and other data sets

Deliverables

- -Utilities
- -Recommendations
- -Calibration tools and strategies
- -Mods/assimilation
- -Publications/technical notes



Status of Distributed Modeling for Operational River and Water Resources Forecasts

