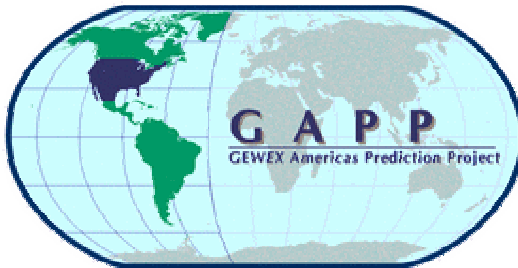


GEWEX Americas Prediction Project (GAPP)

... an interagency project bringing together hydrologists, land surface specialists, atmospheric sciences, and end-users to advance climate prediction and water resource management

Jin Huang

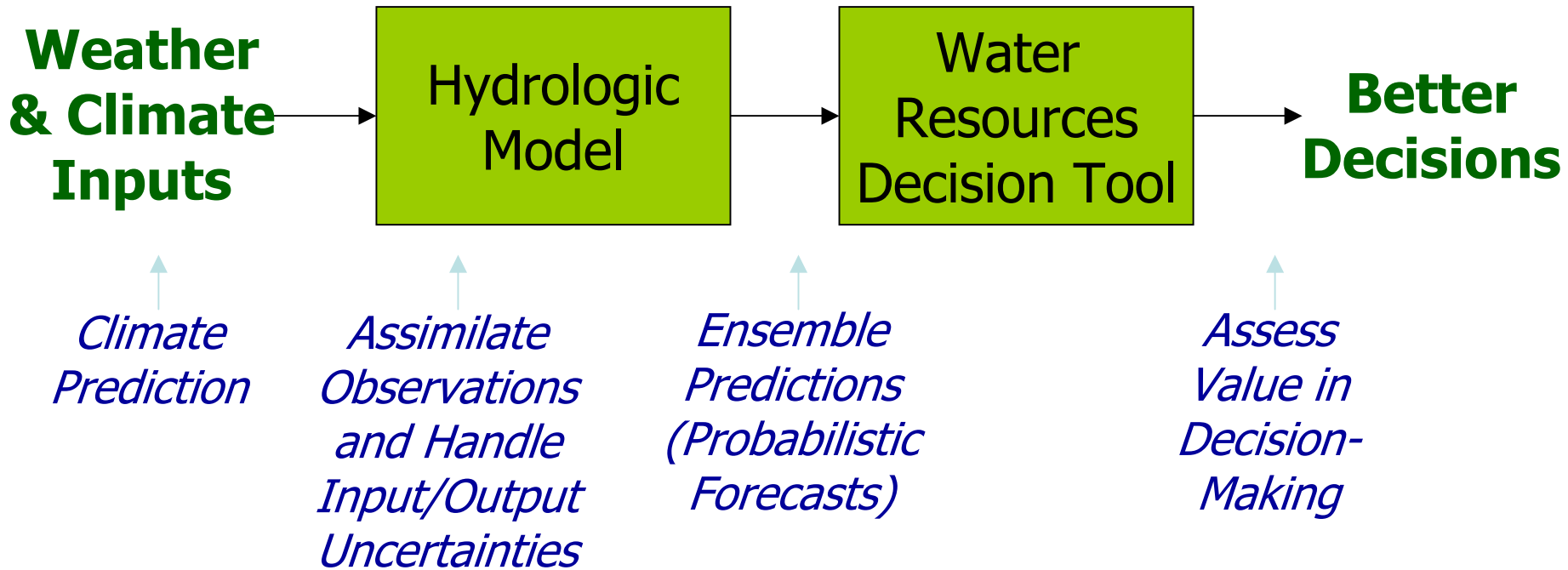
NOAA Office of Global Programs



GAPP Science Objectives

- **Prediction**: to improve monthly/seasonal climate prediction focused on improved understanding and modeling of **land-atmosphere interactions**.
- **Decision Support**: Provide decision support through interpretation of climate forecasts for **water resource management** applications.

GAPP Strategy for Water Resources



GAPP Interests in HEPEX

To achieve GAPP Objective 2 : Provide decision support through interpretation of climate forecasts for water resource management applications

- **Improve hydrologic prediction**
 - **Downscaling, biases correction of climate forecasts, initialization,**
 - **Ensemble streamflow prediction**
 - **Hydrologic predictability**
 - **Model improvement**

- **Develop water resources decision tools**
 - **Helping water managers to understand and use climate forecasts**
 - **Developing place based tools, tools for using ensemble climate forecasts**
 - **Assessing forecast quality for decision making**