



**Research Aspects of an Enhanced Climate,  
Weather, Water And Environmental Prediction  
Framework**

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**Chair, WMO Executive Council Research task  
Team**

# Mandate of the WMO Executive Council Research Task Team

*“strengthen and promote the linkages between climate, weather, water and environmental research to enable NMHS and other related services to provide improved services in the next decade”*

# General Recommendations

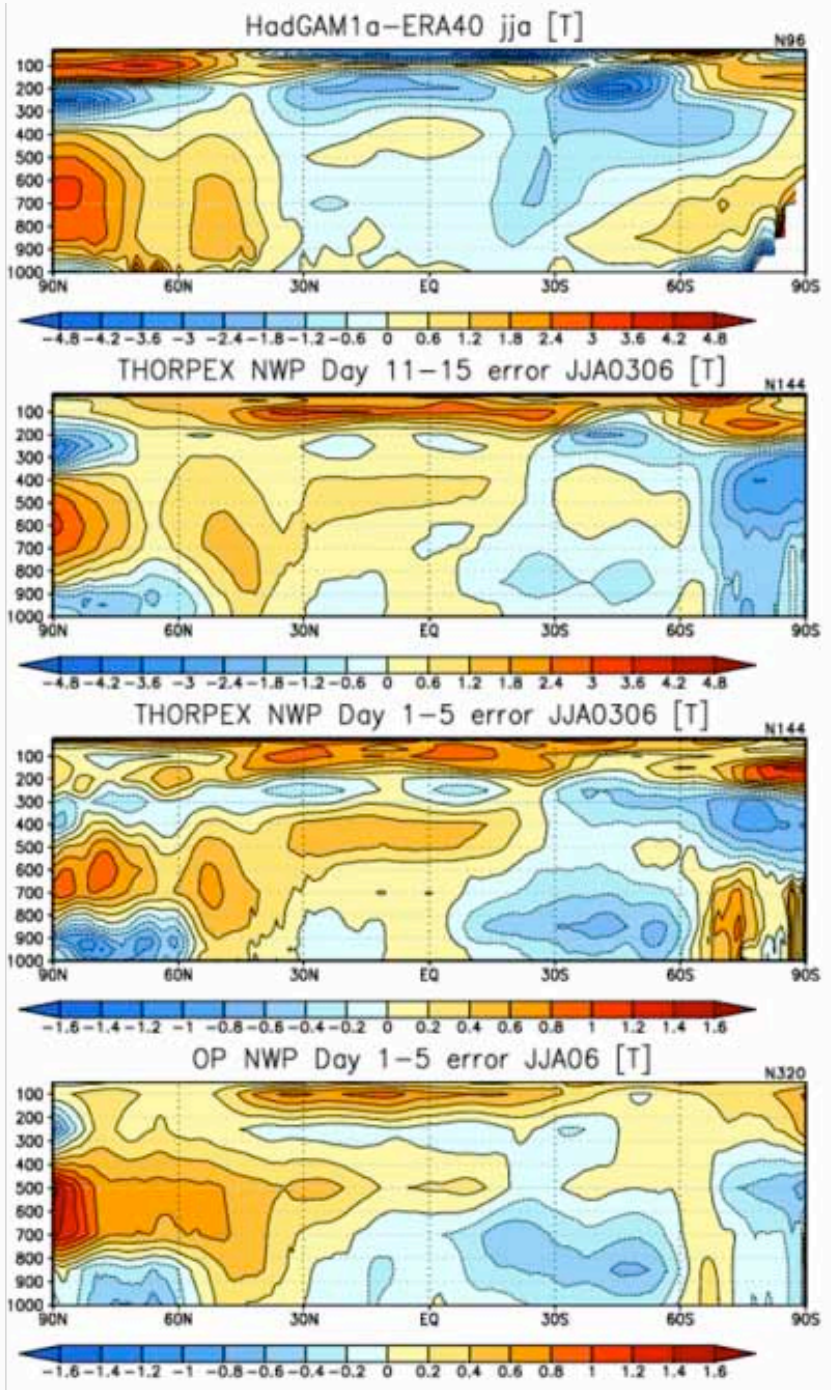
1. Coordinating and Accelerating Prediction Research
2. Linking Research, Operations and Service Delivery
3. The Role of WMO Commissions and the Visibility of Science

# 1. Coordinating and Accelerating Prediction Research

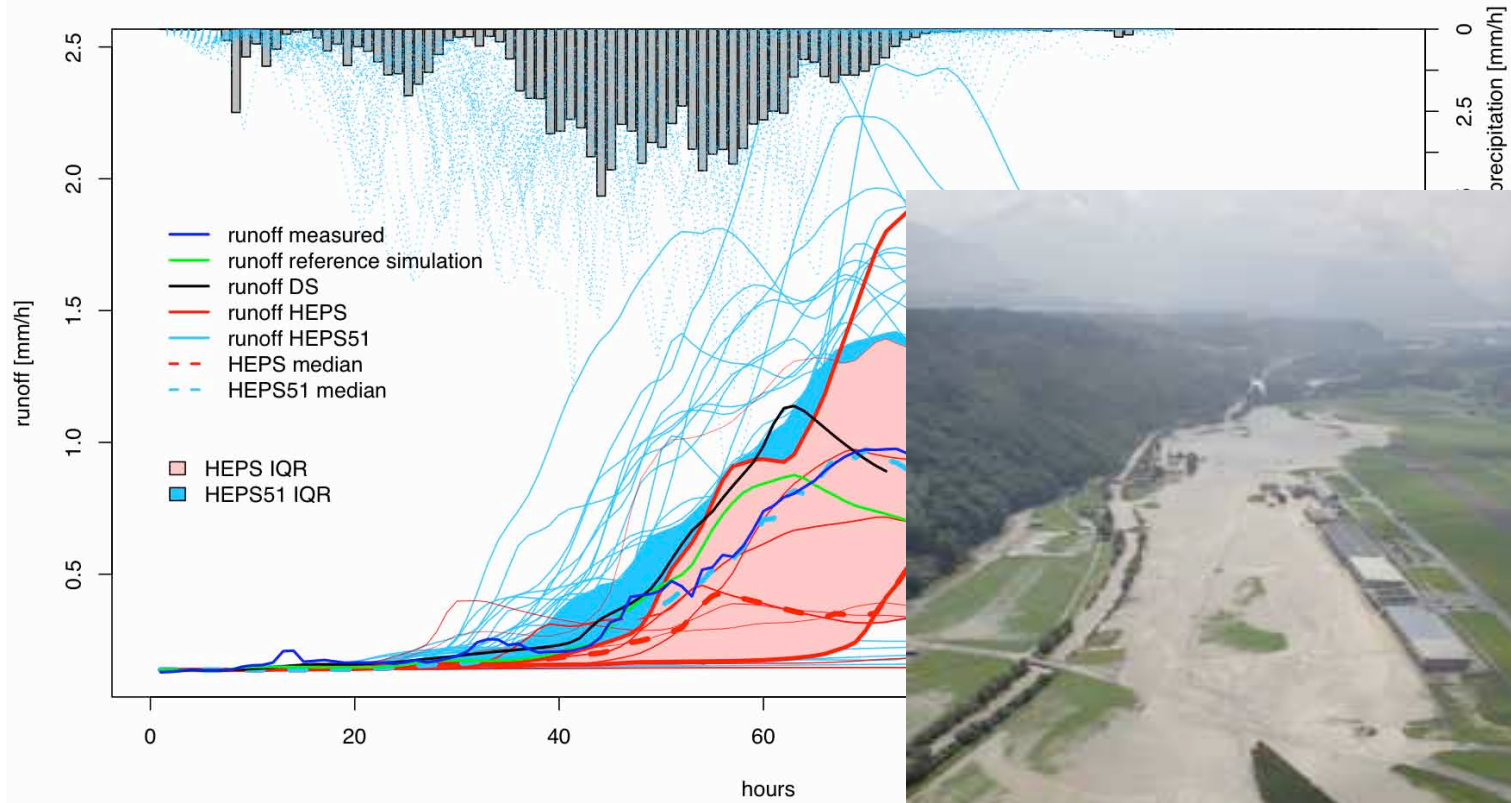
Develop a unified approach to multidisciplinary weather, climate, water and environmental prediction research;

Step up high-performance computing investments to accommodate the increasing complexity and detail of models;

Accelerate the development, validation and use of prediction models



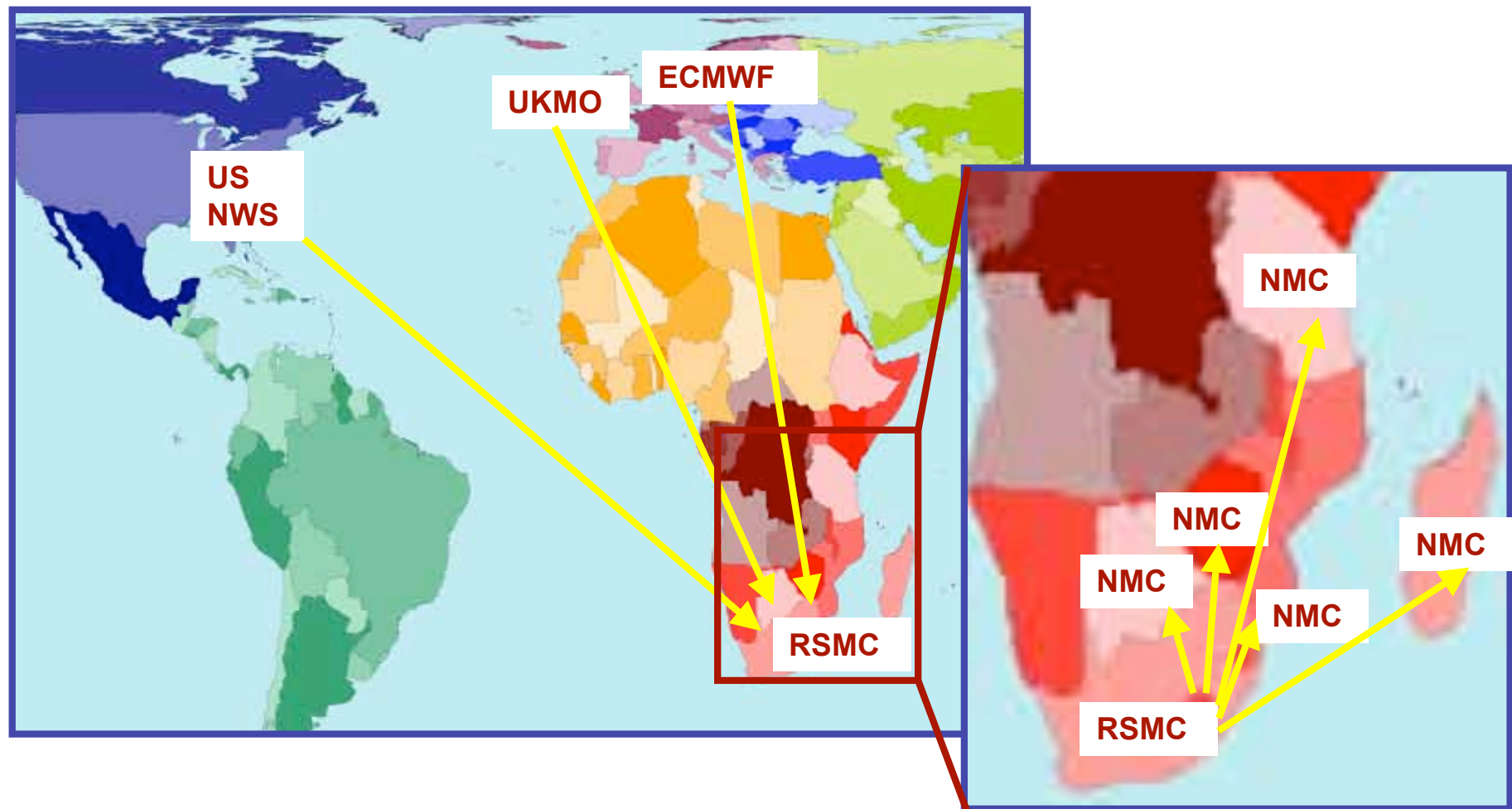
Hagneck (Aare), 5170km2, runoff forecast 20.8.2005 00:00



## **2. Linking Research, Operations and Service Delivery**

Develop closer linkages between research, operations and users through Forecast Demonstration Projects (FDPs) that accelerate technology transfer

# Severe Weather Forecasting Demonstration Project, Southeast Africa



# Tropical Cyclone Favio, Mozambique

