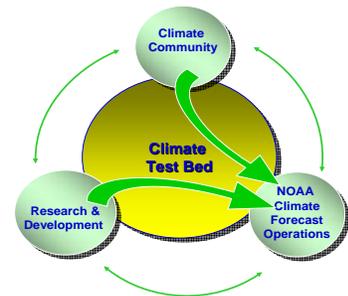


NOAA's Climate Test Bed: Engaging Applications and User Communities

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NOAA CTB Science Priorities

- Climate Forecast System Improvements
- Multi-Model Ensemble Prediction System
- Climate Reanalysis – Ongoing Analysis of the Climate System
- **Climate Forecast Products for Decision Support**

Climate Forecast Products for Decision Support Transition Project Team activities

- Consolidation of multi method Seasonal Forecasts (skill masks, objective tool, objective verification system)
- Regional hydrologic products
- Increase participation in large annual meetings & topical workshops.
- "NOAA Climate Prediction Services Team" (see below);



Vision: To significantly increase the **number** and **skill** of NOAA's operational climate forecast products. This involves accelerating improvements in the fully coupled NOAA Climate Forecast System and other Earth system models within the framework of a multi-model ensemble system. It also involves **working with the applications community** to provide new and improved climate forecast products that enhance decision making.

Mission: *To accelerate the transition of scientific advances from the climate research community to improved NOAA climate forecast products and services.*

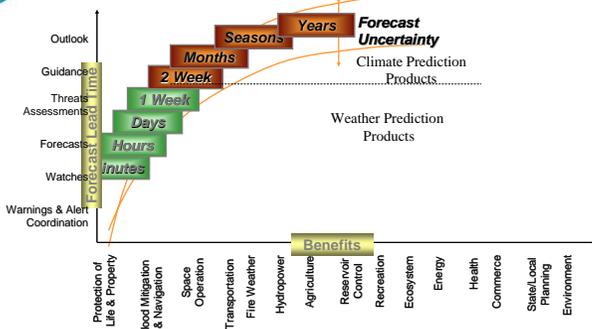
Some Common Customer Demands

1. Improve the skill of climate outlooks.
2. Make them more easily understood.
3. Expand products beyond averages to extremes.
4. Give more temporal and spatial detail.

CTB Action: Develop partnerships and ask

1. How should we package our products?
2. What kind of verification information should we provide?
3. What new products should we provide?
4. How often do customers want products updated?

NOAA Seamless Suite of Forecast Products Spanning Climate and Weather



The CTB "Message"

- Enhance cooperative partnerships between NOAA operational and research centers and the broader research and applications communities
- Deliver opportunities for goal directed research using the Climate Forecast System, other climate models, and a state of the art multi-model ensemble approach to improving climate prediction.
- Accelerate the transition of research advances into enhanced NOAA operational climate forecasts, products and applications.
- Increase the range and scope of regional applications, and the economic benefit, of operational climate forecasts for policy-making and decision-making by end users.

The CTB "Message" to CPAS Workshop Participants

- We want to transition into CPC operations your ideas about new products or improvements to current forecast products, that will have demonstrable utility for decision makers.
- Give us your name and address, on sign up sheet below, if you would like to be kept informed about how to become a CTB partner.
- Visit the CTB website www.cpc.ncep.noaa.gov/products/ctb/
- Contact us at wayne.higgins@noaa.gov

NOAA Climate Prediction Services Team

Objective:

- Provide a comprehensive suite of climate prediction services to the user community

Participants:

- CTB, CPC, EMC, CSD, NWS Regions and Field Offices

Activities:

- Develop a list of climate forecast products that meet specific user requirements.
 - verification statistics;
 - improvements to basic predictand products;
 - risks of high-impact weather events in a month or season by ENSO phase;
- Identify climate forecast products with the greatest "value".
- Vet priorities using panels, topical workshops, and "white" paper(s).
- Engage the CTB teams and the applications community to identify, develop for operations, and deliver new and improved products.

Scientific Partnerships

- Move to University of Maryland M-Square Campus;
- "NOAA Climate Prediction Services Team" outreach to applications community to identify and transition to operations **climate data & products for decision making**
- Engage cooperative institutes (e.g. CICS, ESSIC), other agencies (e.g. NASA, DOE), and National & International Programs (e.g. CLIVAR, GEWEX);
- Synergism with other NOAA Test Beds (e.g. Hydrology; JCSDA);
- Invite broad participation on CTB boards and teams;
- Participate in national meetings & topical workshops.

