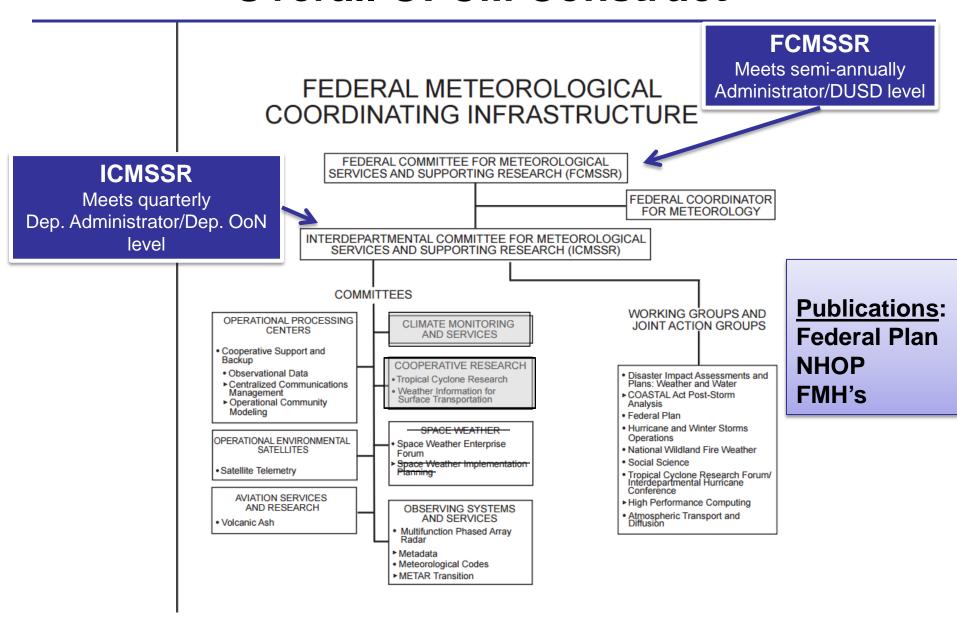
#### Office of the Federal Coordinator for Meteorological Services and Supporting Research

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### **Overall OFCM Construct**



# Federal Coordinator's Approach

- Combination snapshot, strategic vision, and near-term goals
- OFCM priorities will be those that are FCMSSR/ICMSSR approved or directed
- Outline:
  - Mission
  - Structure
  - Procedures
  - Priorities, Goals and Expected Outcomes

## **Mission**

OFCM is a service organization.

Our customers are the agencies comprising the Federal Weather Enterprise (FWE).

Our main product is sustained coordination efforts on crossagency issues.

# Mission (expanded)

### Coordinate (Ongoing)

 Facilitate the exchange of information, plans and concerns among the Federal Weather Enterprise to help the nation get the most out of the approximately \$5.3B spent annually on meteorological services and supporting research.

### Advise (Building.....)

 Provide strategic and operational views of interagency federal weather efforts in order to support related decisions at high levels.

### Plan (Ongoing)

- Produce and maintain foundational meteorological documents including:
  - Federal Plan for Meteorological Services and Supporting Research
  - Federal Meteorological Handbooks
  - National Hurricane Operations Plan
  - Others as directed

## **Procedural Guidelines**

- Coordination is a target-rich environment
- Engage where we can add value, not bureaucracy
- Value looks like:
  - Financial incentives
  - Complex problem solving
  - Political support
  - Professional development
  - Uncertainty reduction
  - Complying with legal/policy mandates

# **Procedural Guidelines - COORDINATING**

- Engage on committees (ICMSSR and OSTP organizations)
- Maintain contacts with extra-government agencies (AMS, AGU, NAS, Academia)
- Look to engage on strategic issues-
  - Improving forecasts
  - Increasing utility of meteorological information
  - Ensuring continuity of observation quality and sources
  - Facilitating data exchange and availability
  - Supporting sustainability of the FWE

COPC areas

# **Procedural Guidelines - ADVISING**

- On selected (directed) topics with long (years+) lead times, present a horizontal view of the often disparate elements of a complex issue involving multiple agencies. Address elements such as:
  - Technical obstacles
  - Procurement sequencing requirements
  - Timeline discrepancies
    - Research and development
    - Testing and Evaluation
    - Deployment
  - Maintenance and sustainability expectations
  - Notional concept of operations
  - Funding sources and availability/expiration/contingencies
  - Expected benefits or capabilities
  - Expected costs
- Present a high level preliminary overview; 9 to 18 months to complete depending on the issue
- Intended to provide executive/senior agency (including OMB) leadership with solid background; help to manage expectations and enable more informed strategic planning and budgeting
- Example issues: Follow-on sensor development, modeling coordination

## **Procedural Guidelines - PLANNING**

The Office, in collaboration with experts from various agencies, authors the following:

- Federal Plan for Meteorological Services and Supporting Research
  - Fulfills PL 87-843 direction for preparation of an annual report showing the totality of government expenditures on meteorological services.
  - Under OMB delegation, OFCM collects budget data from agencies.
- Federal Meteorological Handbooks
  - Currently 5 in use (FMH 1,2,3,11 and 12)
  - Goal: updated as technology and procedural changes required.
- National Hurricane Operations Plan (Reviewed annually at TCORF)
- Additional plans and reports as required

## **Priorities from around the FWE**

- From meetings over the last two months, several common interests emerge among the FWE agencies:
  - Multi-purpose radar CONOPS
  - FMH updates
  - Determining the economic value of forecast improvements
  - Access to (and interpretation of) world wide meteorological data
  - Space based sensor data sharing
  - Coordinated approaches to modeling

#### **Enabled by COPC**

# **Earth Systems Prediction Capability**

- ESPC Executive Steering Group (NOAA, USN.USAF,DoE, NASA, NSF) to align under FCMSSR and/or OSTP (discussions ongoing)
- Provides greater interagency visibility, coordinated resource support, continuity
- OFCM to provide Executive Secretary services
- ESPC vision (from <a href="http://espc.oar.noaa.gov">http://espc.oar.noaa.gov</a>):
  - Advance computational and environmental numerical prediction science and technology
  - Enhance understanding of complex interactions of the earth environment
  - Extend predictive capability to decades
  - Identify and quantify uncertainty and risk
  - Coordinated mission requirements will enable meeting nututal needs and leverage capabilities

## CY2016 Goals

#### OFCM internal:

- Improve OFCM web page
- Hire into two of the three vacancies
  - Project management specialist (publications)
  - Physical Scientist; Numerical Modeling and Climate
- Increase non-NOAA representation in office

#### FWE issues:

- Clear ICMSSR/FCMSSR action items
- Update foundational documents/revise Fed Plan process
- Convene radar CONOPS working group
- Assume SWORM support duties
- Publish FMH update plan
- Engage groups involved in unified modeling efforts (e.g. ESPC)

## CY2017 Goals

#### OFCM internal:

- Hire into third vacancy (Deputy Director/Research Coordinator)
- Identify additional non-NOAA funding sources

### FWE issues:

- Publish radar CONOPS advisory document
- Publish first analytic report (issue TBD)
- Reactivate the Committee for Cooperative Research
- Initiate study on economic value of forecast improvements
- TCORF Action Item: Coordinate an effort to establish an interagency process sanctioned by FCMSSR to define observational requirements to support tropical cyclone forecasting.

# **Searching for Metrics**

- Annual spending within the FWE vs. number of cooperative efforts and improvements
- Publication updates
- Reports issued
- Action items taken/completed at committee and working group meetings
- Web traffic
- Conference attendees (e.g. TCORF)

# **Final Thoughts**

# **OFCM** – Three things to end on:

- Service Organization
- Cross-agency view
- Takes prioritization guidance from FCMSSR/ICMSSR