


Interdepartmental Committee for Meteorological Services and Supporting Research (ICMSSR)

Meeting 2018-2

May 31, 2018

Opening Remarks

Interdepartmental Committee for Meteorological Services and Supporting Research (ICMSSR)

*Dr. Jack Kaye (NASA)
Chair, ICMSSR*

- **Welcome**
- **Roll Call**
- **Approve Agenda & Record of Action.**
- **Meeting will be recorded**

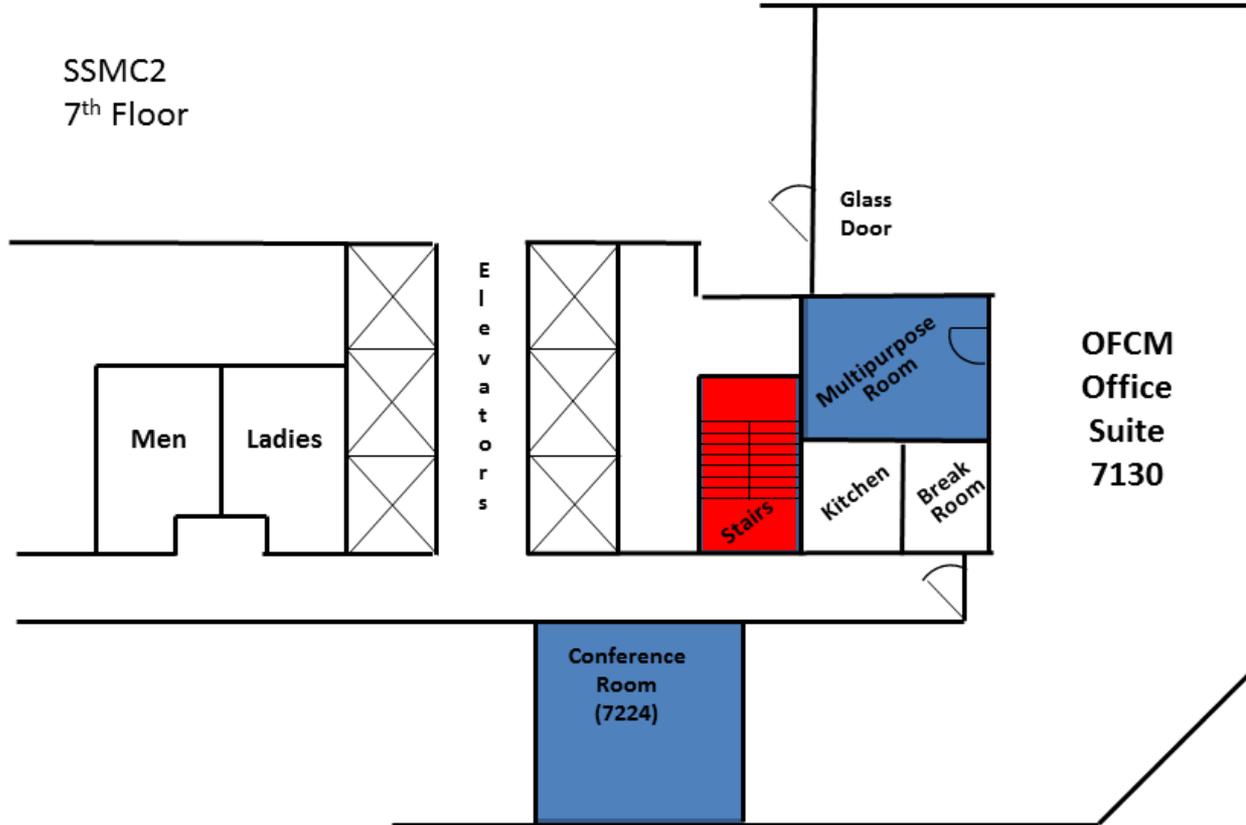
Today's Agenda

- **OPENING REMARKS:** Jack Kaye (NASA)
- **ADMIN REMARKS:** Michael Bonadonna (OFCM)
- **FEDERAL COORDINATOR'S UPDATE:** William Schulz (OFCM)
- **SPACE WEATHER ENTERPRISE FORUM:** Michael Bonadonna
- **ANNUAL BUDGET AND COORDINATION REPORT STATUS:** William Schulz
- **COMMITTEE FOR CLIMATE SERVICES AND COORDINATION (CCSC) UPDATE:** Lt Col Robert Branham (USAF)
- **US WEATHER RESEARCH PROGRAM:**
John Cortinas (NOAA-OAR) and Sim James (OFCM)
- **WEATHER DATA ACCESIBILITY AND SECURITY:** (USAF/OFCM)
- **REVIEW OF THE OBS DATA WORKSHOP:** Anthony Ramirez (OFCM)
- **OPEN DISCUSSION**
- **ACTION ITEM REVIEW:** Michael Bonadonna (OFCM)
- **CLOSING COMMENTS / ADJOURN**

Administrative Info

- **Facilities**
- **Telecon / GoToMeeting**
 - Dial-in 1-888-680-9581, passcode 535430#
- **GoToMeeting:** <https://global.gotomeeting.com/join/293418653>
- **Slides posted at:** <http://www.ofcm.gov/icmssr/meetings.htm>
 - **Please advise us of any sensitivities**

OFCM Floor Plan



Today's Agenda

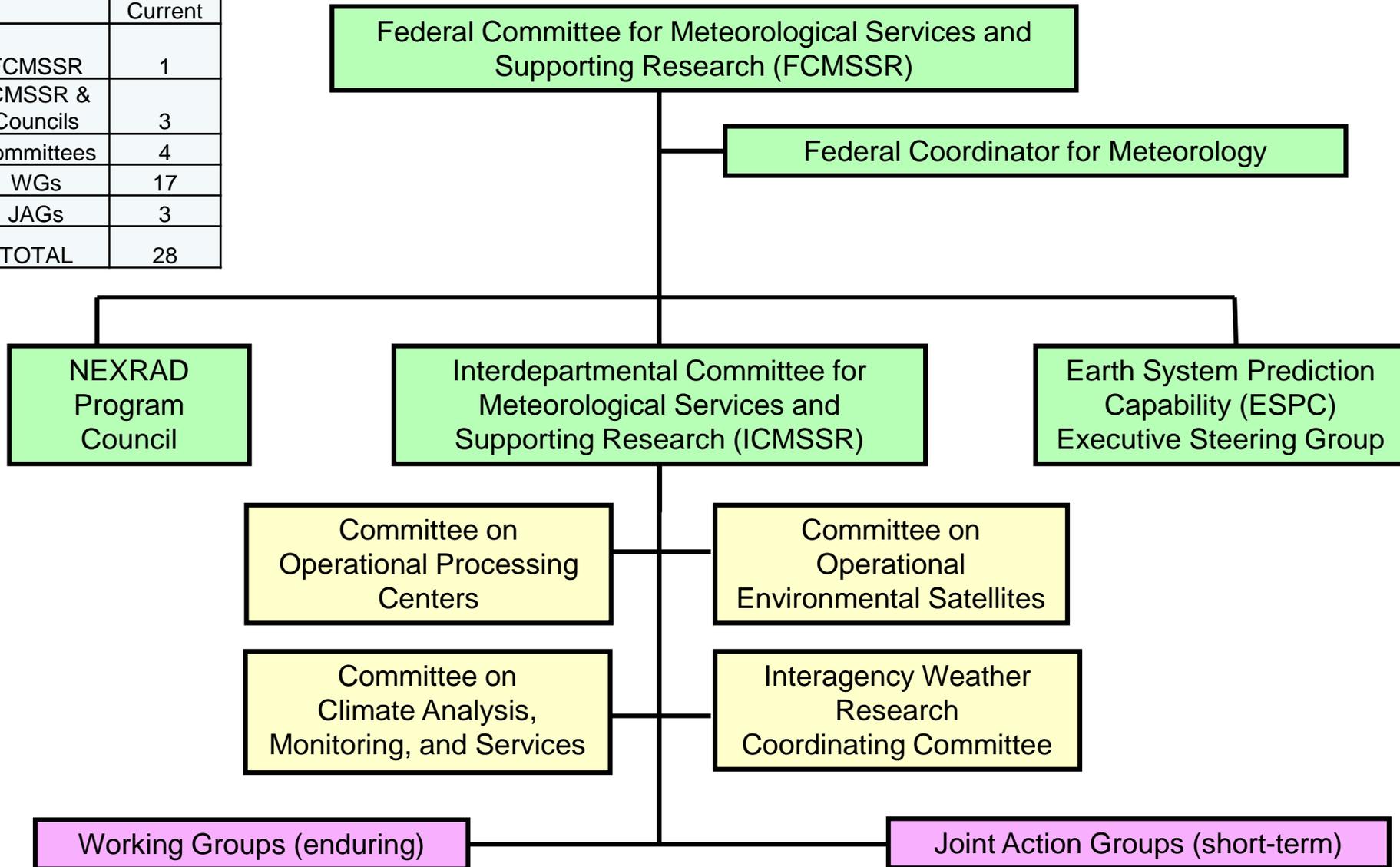
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FEDERAL COORDINATOR'S UPDATE

Bill Schulz
Federal Coordinator

FWE Coordinating Infrastructure

	Current
FCMSSR	1
ICMSSR & Councils	3
Committees	4
WGs	17
JAGs	3
TOTAL	28



Federal Coordinator's Update

- **Admin:** ICMSSR 2018 Charter with rotating chair – please provide concurrence now (for RoA) or via email w/in two weeks. (No response = concur.)
- **Recent Events:**
 - Budget and Coordination Report published 30 April 2018*
 - National Hurricane Operations Plan published 1 May 2018
 - Initial discussions on Weather Information Security w/OSTP 4 May 2018*
 - COPC bi-annual meeting held at 557th WW 7-8 May 2018
 - Discussions on cybersecurity vs. data latency
 - Reviewed current operational satellite topics: GOES-17 transition, Meteosat, DOMSAT, and NESDIS backup fail-over testing.
 - 2nd Workshop on Observational Data held 22-24 May @ Silver Spring and College Park*
- **Upcoming Events:**
 - OFCM Update to NEWP at their 13 June 2018 meeting @ FAA
 - FCMSSR & ICMSSR Actions
 - Data Security status
 - Atmospheric Transport and Dispersion Workshop, 19 June 2018 @ GMU
 - SWEF on Capitol Hill 25 July 2018*
 - FCMSSR 15 October 2018, 2:30-4:30, Silver Spring
 - OFCM Session at AMS '19, 6-10 Jan 2019 in Phoenix

** Additional information later in the meeting*

Federal Coordinator's Update

Session Inter-agency Coordination within the Federal Weather Enterprise

Submitters:

William J. Schulz Jr., NOAA, Silver Spring, MD and C. Sim James, NOAA, Silver Spring, MD

Description:

Federal government agencies active in meteorological services and supporting research describe existing and planned programs, projects and coordination mechanisms which involve multiple government agencies, and aim to increase overall effectiveness within the Federal Weather Enterprise. These mechanisms include bi-lateral agreements between agencies for shared use of observing systems, numerical modeling resources and product dissemination systems. Also of interest, standing committees and panels which provide opportunities for synergistic engagement among multiple agencies, particularly in areas such as aviation weather and disaster preparedness and mitigation. The session may begin with a description of the coordination committee (the Inter-agency Committee for Advancing Weather Services) mandated in the Weather Act of 2017.

[Submit an Abstract to this Session](#)

<https://ams.confex.com/ams/2019Annual/webprogrampreliminary/Session47830.html>

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SPACE WEATHER ENTERPRISE FORUM

2017 Space Weather Enterprise Forum

June 27, 2017 | National Transportation Safety Board Conference Center | Washington, DC

MENU

■ [Introduction](#)

■ [Registration](#)

This link takes you to a non-OFCM website

■ [NTSB Conference Center Information](#)

This link takes you to a non-OFCM website

■ [Hotel Information](#)

■ [Agenda](#)

■ [Conference Booklet](#)

■ [About Space Weather](#)

This link takes you to a non-OFCM website

PRESENTATIONS

[2017 Presentations](#)

[2015 Presentations](#)



Image courtesy of Space Weather Prediction Center

- Sponsored by USAF, The National Space Weather Partnership, and the Secure World Foundation
- Largest SWEF audience ever attended (250+)
- Outstanding agenda speakers
- First SWEF Post Session was a great success
- Broadest participation on SWEF Planning Team
- Government, Commercial, Academic Partnership supports Executive Order 13744 directive
- Presentations, transcripts, and report available through online OFCM.GOV

Theme - Implementing the National Space Weather Partnership.

SWEF 2018 Proposal

Challenge: Although SWEF has been a useful education and outreach tool for Washington DC area space weather stakeholders, we have been challenge to accomplish two key objectives of the event

- Congressional interaction and participation
- International and foreign interest and participation

Recommendations:

- Coordinate SWEF with JHU-APL Space Environment Applications, Systems, and Operations for National Security (SEASONS) conference and DOS-OES Space Weather as a Global Challenge (SWGC) meetings
- Conduct a full-day SWEF every other year alternating with the JHU-SEASONS conference in November
- Conduct a 2-4 hour SWEF session every other year on Capitol Hill to maximize Congressional participation.
- Time the SWEF events to leverage participation in SEASONS and SWGC

Proposed Action:

- Conduct the next SWEF event as a small Capitol Hill event
- Hold the next full-day SWEF in 2019

SWEF 2018 Update

- **When :** 25 July from 1200-1600
- **Where:** Capitol Hill Congressional meeting space
 - Seating may be limited
- **Sponsor:** Representative Ed Perlmutter (D-CO)
 - Sponsor for H.R. 3086 “Space Weather Research and Forecast Act”
- **Support:** Secure World Foundation
- **Theme:** “Advancing National Space Weather Research and Forecast Capabilities”
- **Panel Sessions:**
 - Understanding and managing risks and impacts associated with space weather
 - Implementation of activities across the space weather enterprise for the protection of critical infrastructure
- The SWEF Working Group is securing speakers
- Scheduling needs drove July date to align with State Department’s Space Weather as a Global Challenge
 - Embassy of Japan, 24 July.



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OFCM

Budget Coordination Report FY2019

Released 30 April 2018

Bill Schulz

Federal Coordinator

Budget and Coordination Report FY19

- e-Published to OFCM Web Site (30 April 2018)
- Pre-publish review by OMB
- Two sections:



1. Federal Coordination and Planning for Meteorological Services and Supporting Research (with the goals and objectives of the *Strategic Plan for Federal Weather Enterprise Coordination* reprinted in this section for reference.)
2. Agency Funding for Meteorological Services and Supporting Research

Budget and Coordination Report FY19

1. Federal Coordination and Planning for Meteorological Services and Supporting Research

Section 1 lists actions that support the Strategic Plan for Federal Weather Enterprise Coordination, organized by committees and working groups. For example, the Committee for Operational Processing Centers (COPC) entry:

Committee for Operational Processing Centers (COPC)

Working Group for Cooperative Support and Backup (WG/CSAB)

- Coordinated a solution for distributing the Himawari-8 data from NCEP across the COPC Network circuits to improve the IA posture, utilize the increased Navy bandwidths, and provide a more reliable data exchange. (Objective 1.2)
- Coordinated each OPC's GOES-R(16) data implementation strategy and the transition to GOES-East. (Objective 1.2)
-etc....

Working Group for Cooperative Support and Backup (WG/CSAB)

- Establishing a new fiber connection between NOAA Satellite Operations Facility and the National Maritime Intelligence Center building...(Objective 2.1)
- ...etc...

Strategic Plan Elements

1. Observing Capabilities

- (1.1) Enable interagency discussions of obs system acq. at the capability planning stage.
- (1.2) Provide forums to discuss and promote development, deployment, and sustainment of common-use systems through formalized interagency processes.
- (1.3) Coordinate data formatting, processing, communication, management, and stewardship standards to optimize the exchange, timeliness, usability and value of earth observations.
- (1.4) Coordinate the development of new observing technology and technology to extract information from observations.

2. Forecasting Processes

- (2.1) Strengthen interoperability among interagency forecasting centers in producing accurate, timely and precise weather products, information and services.
- (2.2) Ensure interagency utility (data types, precision, web services, etc.) of short-term to long-term forecasts.
- (2.3) Support Agency efforts to plan and develop the cooperative use of processing resources to increase the Nation's computing power for enhancing data assimilation and modeling systems.

3. Decision support products, information, services

- (3.1) Coordinate interagency outreach efforts to identify weather and water related information needs for decision making and risk management.
- (3.2) Improve the consistency of decision support and risk management products, information and services across the FWE.
- (3.3) Crossfeed processes & lessons learned between agencies to improve decision support tools.

Strategic Plan Elements

4. Research

(4.1) Exercise leadership in coordinating U.S. efforts in international weather research priorities including the current WMO Grand Challenges.

(4.2) Foster interagency collaboration of research initiatives starting at the planning stage

(4.3) *Support efforts among the FWE participants to coordinate task definition and sponsorship of National Academies research initiatives.

(4.4) Expand interagency use of data and information for research.

5. Workforce management

(5.1) Coordinate OPM definitions and requirements for meteorology-related positions to ensure appropriate education and experience of the FWE workforce.

(5.2) *Coordinate opportunities to leverage outreach, including education efforts, recruiting, and diversity and inclusion initiatives.

(5.3) *Crossfeed information on career path planning, training opportunities, diversity and inclusion, professional development, and retention programs.

6. Messaging priorities and needs

(6.1) Coordinate messaging about FEW priorities to academia, professional and industry associations, non federal governmental entities and the general public.

(6.2) Coordinate messaging about FEW priorities to academia, professional and industry associations, non federal governmental entities and the general public.

**Not addressed in FY19 BCR*

Budget and Coordination Report FY19

Strategic Plan Objectives

	1.1	1.2	1.3	1.4	2.1	2.2	2.3	3.1	3.2	3.3	4.1	4.2	4.3	4.4	5.1	5.2	5.3	6.1	6.2
ICMSSR	X				X	X	X	X			X	X			X				X
JAG/FPR																		X	
WG/CSAB		X	X		X														
WG/CCM					X														
WG/OD		X	X																
COES		X						X				X		X					
IWRCC											X	X							
ESPC ESG							X					X							X
NEXRAD PC															X				
WG/DIAP			X						X					X					
JAG/CAPSA	X		X	X	X		X	X	X	X									
WG/MC				X															
WG/SWEF																		X	X
STIWG			X																X
WG/TCOR		X	X		X							X							
JAG/FMH1		X	X																
JAG/AWCT			X									X							

Opportunity to Provide Guidance

Areas being addressed for FY20 BCR cycle (so far):

- COPC WG/OD creating interagency guidance for WIGOS observation coding procedures. (Objective 1.3)
- IWRCC organizing U.S. financial contribution to WMO S2S database maintenance. (Objective 4.1)
- FCMSSR forwarding USAF proposal to OPM endorsing plan to modify 1340-series qualifications (Objective 5.1)

Still open areas/suggestions:

- (4.3) *Support efforts among the FWE participants to coordinate task definition and sponsorship of National Academies research initiatives.
- (5.2) *Coordinate opportunities to leverage outreach, including education efforts, recruiting, and diversity and inclusion initiatives.
- (5.3) *Crossfeed information on career path planning, training opportunities, diversity and inclusion, professional development, and retention programs.
- Coordination in commercial data purchase policies? (Objective 1.3)

Budget and Coordination Report FY19

2. Agency Funding for Meteorological Services and Supporting Research

Section 2 describes status and major changes in agency funding using a brief agency-provided narrative and two summary charts. This section is intended to satisfy the requirements of PL 87-843.

- *Recommend expanding these write-ups to satisfy 402(a)(2). (Assumes OSTP approves 'FCMSSR to ICAWS' recommendation.)*
- ***Working group formed, meeting this summer to begin FY20 BCR***

Weather Act of 2017 § 402

402. Interagency weather research and forecast innovation coordination

(a) Establishment

The Director of the Office of Science and Technology Policy shall establish an Interagency Committee for Advancing Weather Services to improve coordination of relevant weather research and forecast innovation activities across the Federal Government. The Interagency Committee shall—

- (1) include participation by the National Aeronautics and Space Administration, the Federal Aviation Administration, National Oceanic and Atmospheric Administration and its constituent elements, the National Science Foundation, and such other agencies involved in weather forecasting research as the President determines are appropriate;
- (2) **identify and prioritize top forecast needs and coordinate those needs against budget requests and program initiatives across participating offices and agencies;** and
- (3) share information regarding operational needs and forecasting improvements across relevant agencies.

(b) Co-Chair

The Federal Coordinator for Meteorology shall serve as a co-chair of this panel.

(c) Further coordination

The Director of the Office of Science and Technology Policy shall take such other steps as are necessary to coordinate the activities of the Federal Government with those of the United States weather industry, State governments, emergency managers, and academic researchers.

Budget and Coordination Report FY19

Table 1: Meteorological Services and Supporting Research (millions).

FY17 and FY18 amounts reflect Congressionally appropriated funds.

FY19 amounts reflect funding requested in the President's FY19 budget submission to Congress.

Agency	FY17	FY18	FY19
USDA	74.88	112.7	109.50
DOC/NOAA (Subtotal)	3566.60	3541.77	2927.69
NWS	1121.56	1114.02	1052.77
NESDIS	2202.27	2187.45	1640.02
OAR	174.90	172.60	164.60
NOS	31.97	32.00	32.00
OMAO	35.90	35.70	38.30
DOD (Subtotal)	247.80	300.50	304.60
Air Force	104.00	139.90	153.00
Navy	116.80	139.10	128.30
Army	27.00	21.50	23.30
DHS (Subtotal)	32.12	32.13	32.23
FEMA	1.92	1.93	1.93
USCG	30.20	30.20	30.30
DOI (Subtotal)	43.36	39.51	37.72
BLM	4.66	4.66	4.40
BOEM	0.00	1.76	0.57
NPS	3.20	3.09	2.75
USGS	35.50	30.00	30.00
DOT (Subtotal)	254.50	275.50	203.50
FAA	253.00	274.00	202.00
FHWA	1.50	1.50	1.50
EPA	6.36	6.22	2.12
NASA	641.23	630.61	505.96
NRC	0.87	1.11	0.81
DOE (Subtotal)	229.68	240.96	130.16
Science/BER	228.93	239.00	128.60
NNSA	0.35	0.40	0.35
EERE	0.40	1.56	1.21
DOS	**	**	6.40
Smithsonian	0.02	0.02	0.02
NSF	134.10	134.10	126.60
Total	5231.52	5315.13	4381.31

Budget and Coordination Report FY19

Table 2: Interagency Fund Transfers for Meteorological Operations and Supporting Research for FY2018, Estimated or planned.

Transferred			
From:	To:	(.00 M)	Purpose
DOC/NOAA			
NESDIS	NASA	150.10	Activities to continue development and implementation of JPSS program through Sep 2019. GOES-R series spacecraft, instruments, launch vehicles. GOES-NOP, POES/MetOp-A/MetOp-B on-orbit anomaly support
NESDIS	DOD	6.80	GOES-R technical and satellite support for satellite development programs
NESDIS	NTIA	2.65	Satellite Ground Services assistance with acquisition of a Radio Frequency Interference Monitoring System
NWS	NASA	2.56	Occupancy services provided by Stennis Space Center
NWS	NSF	1.20	Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI) to plan, coordinate, and execute the Summer Institute component of the OWP Innovators Program
NWS	DOE (via NOAA OCIO)	1.07	Recapitalization funding for an additional rack of computing for the c4 partition, in support of the Consumer Option for an Alternative System to Allocate Losses (COASTAL) Act and Named Storm Event Model (NESM)
DOD			
Air Force	NRL	0.80	DMSP Sensor Support
Air Force	DOC/NOAA/NWS	7.88	DAPE, DOMSAT, JPSS, MDCRS, NEXRAD (NWS PME/DPEM)
Air Force	USARL	0.95	WS Live Virtual Constructive
Air Force	NSF/NCAR	1.50	Cloud Analysis Forecast (CAF)
Air Force	DOE/ORNL	7.90	Oak Ridge National Lab
Air Force	NWS/NOAA	4.89	NEXRAD Service Life Extension Program/Spares
Navy	NASA	2.30	Stennis Space Center, operations
Navy	NOAA	1.00	Satellite Data and Analysis
Army/ATEC	NCAR	3.46	4DWX Model Support
USACE	DOI/USGS	22.50	Hydro-meteorological collection
DOT			
FAA Weather	DOC/NOAA/NWS	19.00	IAA-Center Weather Service Unit
FAA Weather	DOC/NOAA/NWS	14.00	IAA-ASOS/ALDARS

Ahead to BCR FY 20

Goals:

- WG BCR starts Summer '19
 - BCR '20 to include 'Prioritizations' per Weather Act.
 - More groups/committees reporting objectives
- Deliver draft BCR '20 to OMB by "PBR release data +2 weeks".

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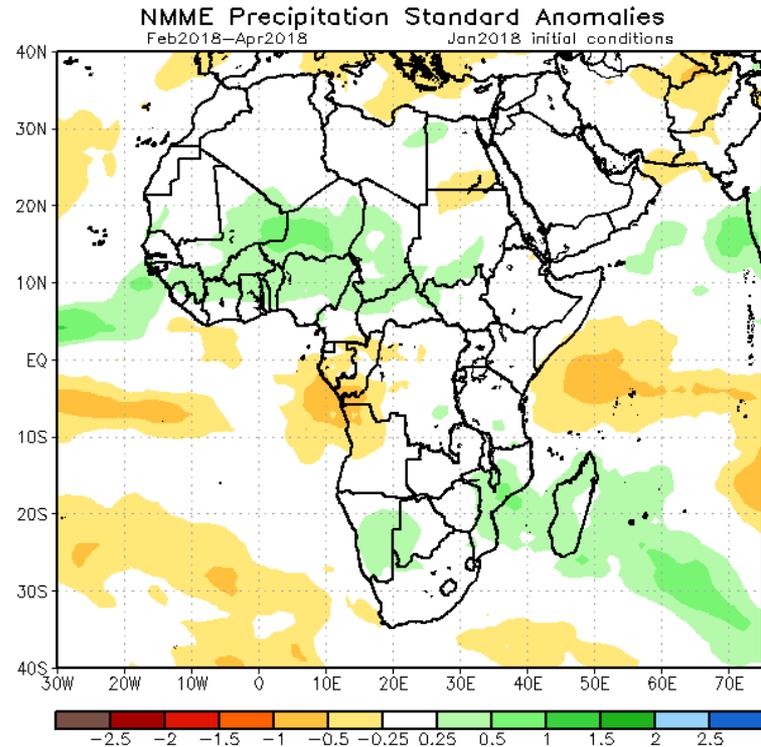
CCSC Update to ICMSSR

ICMSSR Meeting
May 31, 2018
(OFCM – Silver Spring, MD)

Robert G. Branham, Lt Col, USAF
Chief, Climate Plans, Weather Strategic Plans
Interagency Integration Division
AF Director of Weather, HQ USAF/A3WX
Assistant Federal Coordinator for AF & Army
Affairs
Office of the Federal Coordinator for
Meteorology

Overview

- CCSC Background
- CCSC Purpose
- CCSC Core Responsibilities
- CCSC Participation & Battle Rhythm
- Action Items
- Looking Ahead



CCSC Background

- The Committee for Climate Services Coordination (CCSC) is authorized by the Interdepartmental Committee for Meteorological Services and Supporting Research (ICMSSR) and will serve at the disposal of the ICMSSR.
- Climate Services are defined as the timely production and delivery of useful climate data, information, and knowledge to decision makers
“A Climate Services Vision: First Steps Toward the Future.” 2001. Board on Atmospheric Sciences and Climate, National Research Council.
- Climate Services include
 - Analysis of past and present climate conditions (Historical Climatology & Climate Monitoring)
 - Forecasts and scenarios of future climate conditions (Climate Prediction & Projection)
 - Analysis of the impacts of climate conditions on people and resources
 - Assessments of the confidence of climate information
 - Decision support for managing risks and opportunities associated with climate variations and climate impacts

CCSC Purpose

- CCSC shall be the principal means for coordination on current and programmed activities within its assigned areas, recommending changes to more efficiently use resources in meeting valid user requirements, and addressing policy matters and issues as they relate to climate monitoring and services

- Assigned focus areas include
 - Climate services provided by Federal agencies on national, regional, and local levels, to include provision of information from the past as well as the future at time scales from two weeks to beyond

 - Modeling, assessment, analysis, and prediction for risk management and preparedness

 - Applied research, development, and transition to operations for enhancing service delivery

 - Support for coordination of data management and archiving

CCSC Core Responsibilities

- Coordinating agency mission needs within the Committee's focus areas
- Identifying the high pay-off, cross-cutting issues which will serve as the basis for prioritizing future interagency coordination and collaboration efforts
- Where applicable, Working Groups will serve as the Committee's executive agents for specific areas of focus; the Committee is empowered to create Working Groups and Joint Action Groups as required
- Empowering Joint Action Groups (JAG) to work on specific projects of limited duration; the Committee will develop objectives for a JAG and specify a well-defined deliverable, such as a Federal plan or report
- Reporting to ICMSSR periodically on the Committee's activities and accomplishments and considering other matters as directed by ICMSSR

CCSC Participation & Battle Rhythm

Co-Chairs



- NOAA/NWS (Fiona Horsfall)



- USDA (Rachel Steele)

Members/Participants:

- CDC
- DOC: NOAA
- DOD: USAF, USN, USA
- DOE
- DOI
- DOS
- NASA
- NSF
- USDA

Battle Rhythm :

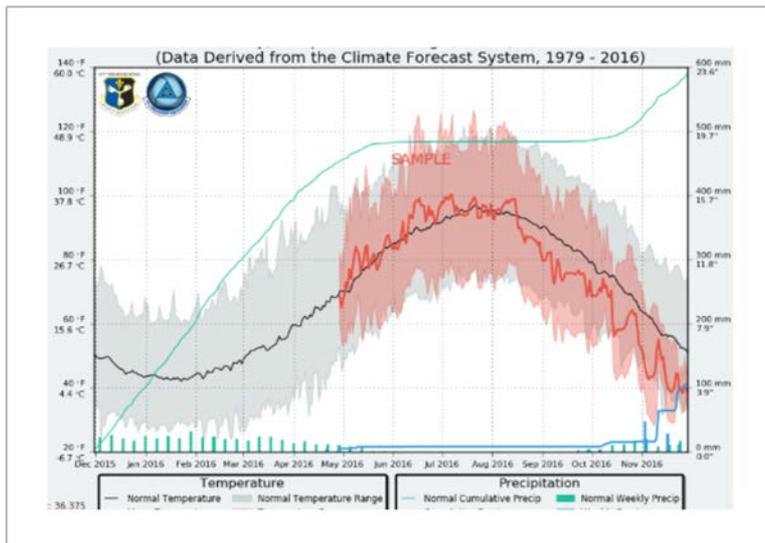
- Meet 2X per year (Spring/Summer & Late Fall)
- Brief ICCMSR 1X per year

Action Items

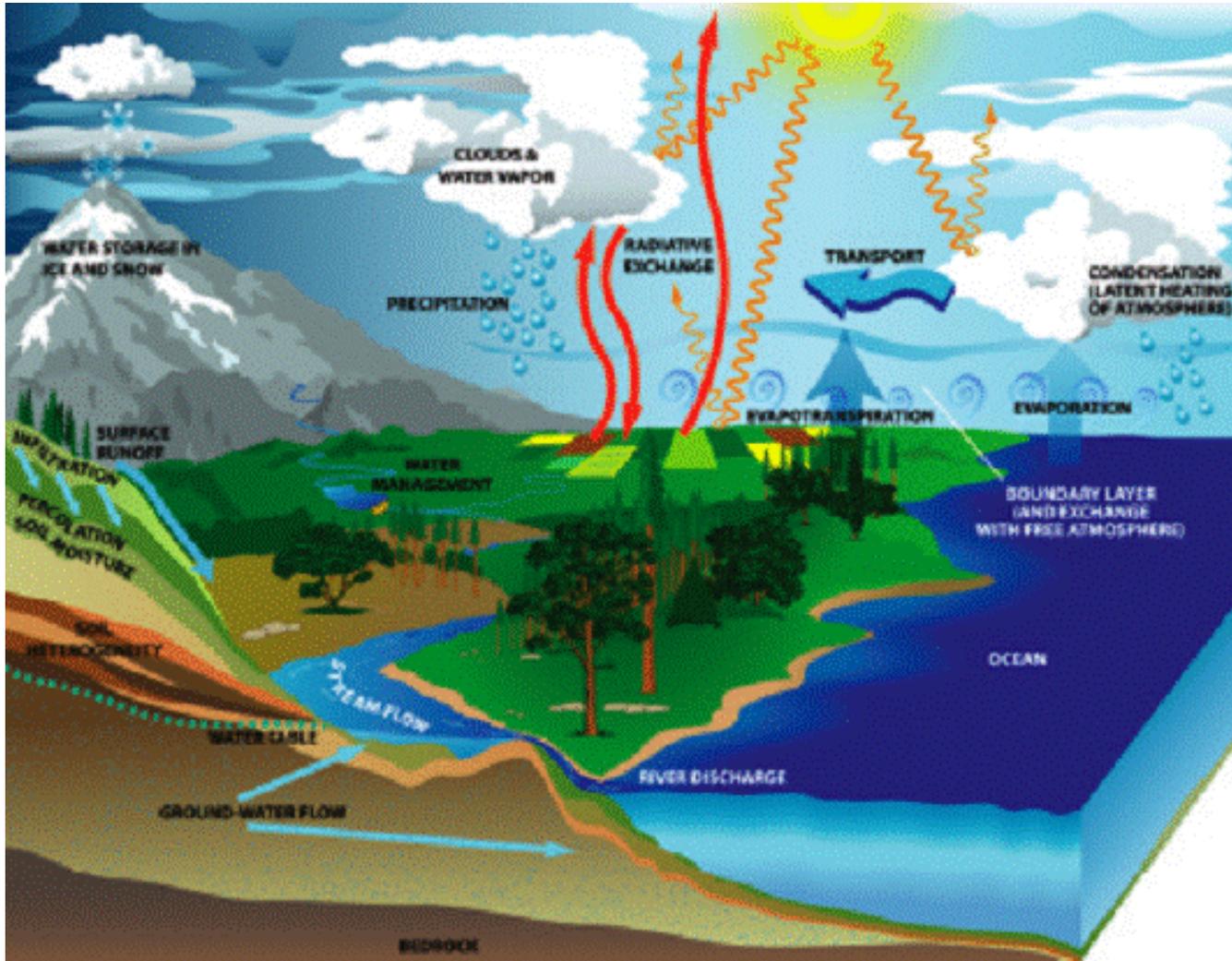
- International Comprehensive Ocean-Atmosphere **Data Set (ICOADS)**
 - AI: 2017-1.1, Marine data is backbone and comes into NCEI and is available through common access
- Developing list of interagency climate services activities
 - AI: 2017-1.2, Develop FWE Climate Services Capability Footprint
- Finalize updated ToR
 - AI: 2017-1.3, send document to ICMSSR

Looking Ahead

- Seasonal-Subseasonal Modeling (S2S)
 - CCSC can serve as a vehicle to help organize research efforts
- Support to ICAWS & IWRCC
- Collaboration on Predictive & Projective Climate Services



Questions



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USWRP Congressional Reporting: Background

- Section 109 of the Weather Research and Forecasting innovation Act of 2017 amends Sec. 108 of the Oceanic and Atmospheric Administration Authorization Act of 1992
- Section 108 of Oceanic and Atmospheric Administration Authorization Act of 1992 establishes the USWRP and its associated reporting requirements
- Sec. 108 also directs the requirement to list and describe research goals and activities as part of the Implementation Plan across the FWE (not just NOAA)

USWRP Congressional Reporting: Recommendation

- Form a Joint Action Group in OFCM
- The JAG Coordinates input from agencies within FWE on research goals and activities under direction of IWRCC and the Federal Coordinator
- Publish research goals and activities list as an appendix in the FY 20 Budget and Coordination Report to satisfy the law
- Stand the JAG down following submission of FY 20 BCR

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Weather Data Accessibility and Security

- This issue originated at NextGen Executive Weather Panel discussion earlier this year.
- Operational information including near & real-time environmental observations and visibility/runway condition video feeds are widely available in the U.S., supporting numerous agreements, commitments and best services practices.
- Some of that information relates to defense, infrastructure, and other sensitive sites.
- There is no existing federal policy to delay, withhold or otherwise throttle potentially sensitive operational environmental information.
- For ICMSSR – Should we create a group to study and provide a recommendation on whether or not there should be such a policy?

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2nd NATIONAL OPERATIONAL PROCESSING CENTERS OBSERVATIONAL DATA WORKSHOP

Organized by: COPC Working Group for Observational Data

22-24 May 2018

Days 1 & 2 – OFCM/SSMC2

Day 3 - NOAA Center for Weather and Climate Prediction Conference Center

Purpose:

- Clarify environmental data management roles and responsibilities following recent organizational restructures within NWS and USAF
- Review U.S. implementation of new WMO data management standards and procedures: WIGOS/OSCAR/WIS-DAR
- Discover interagency meteorological data management issues and explore methods to resolve them
- Identify data gaps and discuss ways to improve coverage
- Identify future meteorological data systems, sources, and dissemination channels

2nd Observational Data Workshop

Agency	Org.	Name
NOAA	NWS	<ul style="list-style-type: none"> NCEP EMC: Jeff Ator, Chris Hill, NCO: Becky Cosgrove, Walter Smith, NCEP SWPC: Rodney Viereck Off International Affairs: Bill Bolhofer, Courtney Dragon Off. of Observations: Kevin Schrab, Mark Miller, Alix Rolph NDBC: Kevin Kern Office of Dissemination: Andrea Hardy, Kari Sheetz Aviation/Space Wx Div: Mark Zettlemyer JCSDA: Jim Yoe
NOAA	NESDIS	Vince Tabor (OSPO), Matt Menne (NCEI)
NOAA	IOOS	Kathleen Bailey
FAA		Pat Murphy
NSF		Alex Isern
USAF	HAF A3W	Lt Col Rob Branham
USAF	557WW	Lt Col Justin Erwin, Mark Surmeier, Doug Wilkerson, Al Zamiska
USAF	14 WS	Randy Haeberle, George Moody
USN	FNMOCC	Jim Vermeulen, Justin Reeves
USN	NRL	Pat Pauley
USN	NAVO	Danny Illich, Bruce McKenzie

2nd Observational Data Workshop

Agenda:

1. International/WMO, U.S./Federal

- NWS Office structure/roles/responsibilities, key points of contact
- NCEP/NCO and OSCAR Surface
- U.S. strategy to transition to new WIGOS station IDs and develop Best Practices guide

2. Operational Processing Centers: Updates and challenges

3. Conventional Data:

- Office of Observations/Sfc and Upper Air Div
- FAA/NWS IWXXM migration, ICAO migration to METAR
- Top 3 Challenges for each OPC

2nd Observational Data Workshop

Agenda:

4. Ocean Data

- Top 3 Challenges at each OPC
- International Ocean Observing System update
- National Data Buoy Center update
- NOAA Fleet XBT/CTD/SHIP (OMAO/NCEI)
- Marine Data QC (Brad Ballish)

5. Space Weather Data

- Top 3 Challenges at each OPC
- NCEP/Space Wx Prediction Ctr, AF/2WS Situational Awareness

6. Satellite Data

- Top 3 Challenges at each OPC (and JCSDA)
- OFCM Technical Reference Publication 1 (TR-1) Status
- JCSDA & Joint Effort for Data Assimilation Integration (JEDI)

2nd Observational Data Workshop

Some Key Takeaways:

- WMO Integrated Global Observing System (WIGOS)
 - New WIGOS station IDs
 - U.S./Interagency Guidance being developed by WG/OD
 - Significant coding workload for the OPCs
 - Important for OPCs to preserve legacy naming patterns where possible in local identifier segment
- Observational data security impacts on OPCs
 - Added latency, additional processing resources
- Space Weather observations/sensing capabilities needed by OPCs
 - Impacts upon coupling with terrestrial models
 - Stringent data latency requirements
- Using commercial/proprietary sources
 - Limitations on interagency sharing
 - Re-evaluate federal agencies contract for this data

2nd Observational Data Workshop

Next Steps:

- Get presentations posted to OFCM web page
- Draft workshop report
- Analyze workshop proceedings – further development of key takeaways into achievable action items
- Draft a U.S. Federal Meteorological Data Management Practices guide
 - WIGOS ID guidance
 - Distribute to Federal Agencies (through ICMSSR) for comments, recommendations, concerns
 - Outreach to public, private, academia at next AMS (during OFCM session)

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- **WEATHER DATA SECURITY AND CONTROL IN CYBERSPACE:**
Erik Noble (OSTP) and William Schulz (OFCM)
- **REVIEW OF THE OBS DATA WORKSHOP:** Anthony Ramirez (OFCM)
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FCMSSR Action Items

AI #	Office	Text	Comment	Status	Due Date
2018-1.1	OFCM	Send email to OSTP recommending Option A: Rename the FCMSSR as ICAWS and make other changes in order to comply with the 2017 Weather Act. Request a written response from OSTP.	5/2/18: Email has been sent. Awaiting Reply	Closed	05/04/18
2018-1.2	USAF A3W, OFCM, FCMSSR Chair	USAF A3W adjusts their 1340-series qualifications proposal letter as advised by FCMSSR and sends it to OFCM. OFCM drafts a cover letter for FCMSSR Chair endorsement and forwards the proposal to OPM	5/22/18: A3W Letter amended. Cover letter sent to NOAA for signature	Open	05/11/18
2018-1.3	USAF A3W, NWS	Review and brief FCMSSR on the impact of 1340-series qualification changes approximately one year after OPM implements the change.		Open	10/31/19
2018-1.4	NOAA	Brief FCMSSR on the NOAA Next Generation Global prediction Strategy as a possible framework for broader enterprise implementation.		Open	10/31/18

ICMSSR Action Item Review

AI #	Office	Text	Comment	Status	Due Date
2016-4.2	OFCM	Provide a copy of the Terms of Reference for the new Committee on Climate Services (CCS) for ICMSSR review.	11/22/17: Latest copy received.	Open	02/10/17
2017-4.2	NWS, ICMSSR	NOAA NWS will send a draft of their Section 201 response to ICMSSR members. ICMSSR members will provide recommendations or edits back to NOAA by 15 May 2018.	5/13/18: Report expected to be available for ICMSSR preview 1 June 2018.	Open	03/31/18

ICMSSR Action Item Review

AI #	Office	Text	Comment	Status	Due Date
2018-1.1	OFCM	Revise the ICMSSR Charter to include Chair rotation and other administrative changes.	5/22/18: Included in ICMSSR meeting Read ahead material	Closed	05/15/18
2018-1.4	OFCM	Present FCMSSR with the proposal to update the FCMSSR Charter as an implementation plan for Section 402 of the Weather Act.	5/22/18: Proposal has been sent to OSTP for acceptance and action	Closed	02/28/18
2018-1.5	OFCM, OSTP	Upon FCMSSR approval of the Section 402 implementation plan, submit the recommend plan to Director, OSTP and work with OSTP to submit a legislation change request to identify the Federal Coordinator as the ICAWS Executive Secretary rather than a Co-chair.	Request sent to OSTP	Open	05/30/18
2018-1.6	OFCM, OSTP, DoD, NOAA-NWS	Coordinate to ascertain NSC position, if any, on security of and potential vulnerabilities arising from weather related data and products.	Mtg with NSC occurred. Coordinated position paper forwarded to ICMSSR	Closed	02/28/18

Wrap Up

