



Highlights from the 2014 AMS Washington Forum (AWF)

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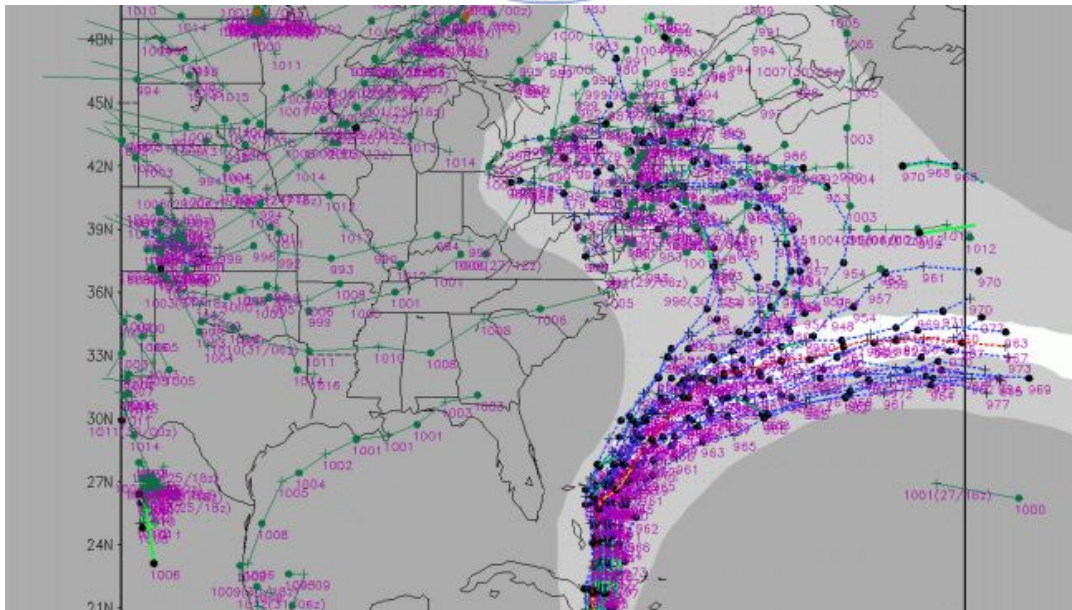
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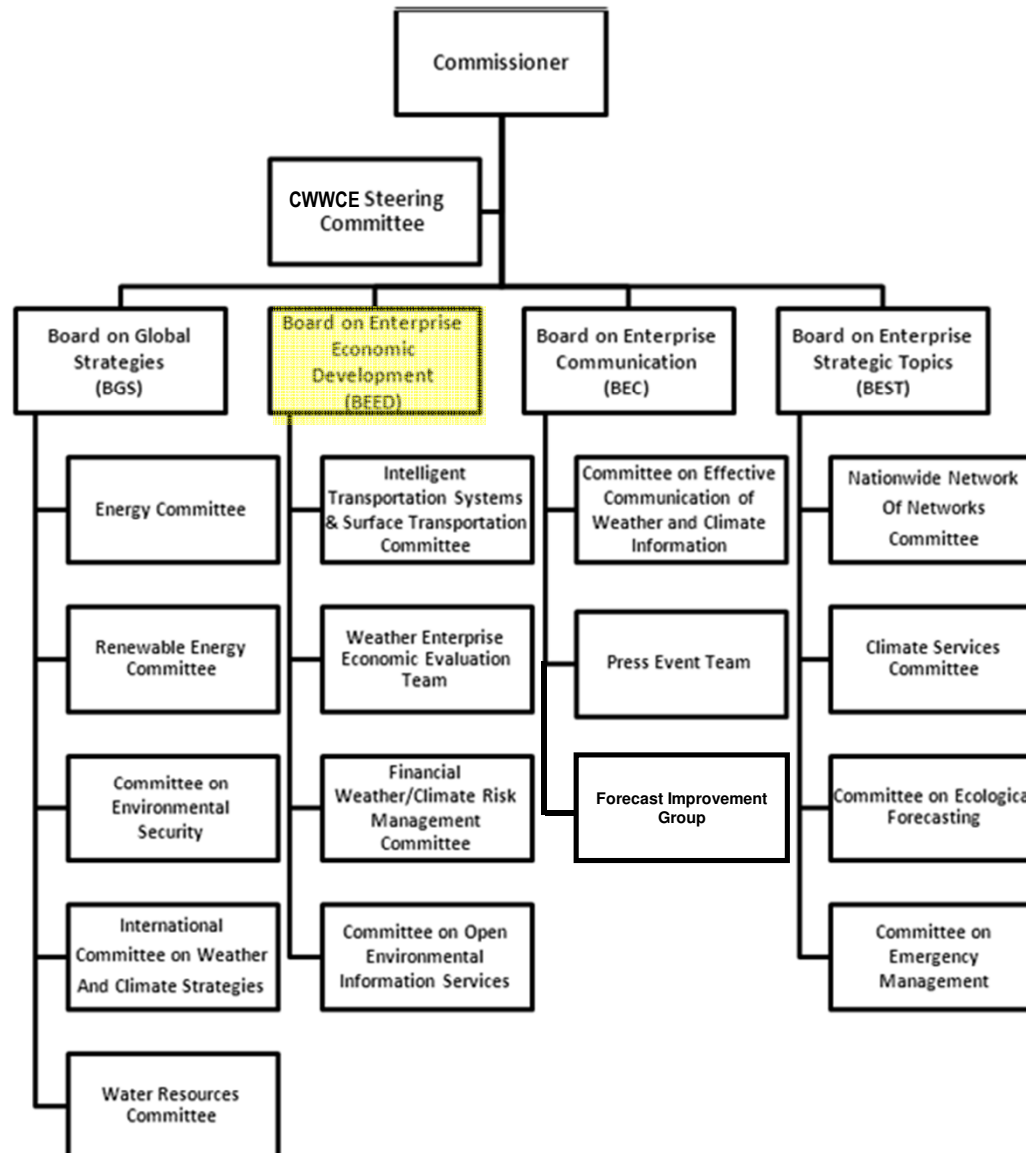
January 6, 2015



Agenda

- The AMS Board on Enterprise Economic Development (BEED)
- The AMS Washington Forum (AWF)
- Highlights from the 2014 AWF
- Preview of the 2015 AWF
- Summary/Questions

AMS Commission on the Weather, Water & Climate Enterprise (CWWCE)



AMS Board on Enterprise Economic Development (BEED)

- Purposes of the AMS BEED:
 - Promote growth in the economic base of the weather, water and climate enterprise
 - Promote quantification of the economic value of the enterprise, including risk
- The BEED fulfills these purposes by bringing together the providers and users of weather, water and climate data, technology and services
- Engagement among these stakeholders has multiple benefits:
 - Promotes understanding of user needs
 - Socializes current and future applicable technologies and trends
 - Matches solutions and services with user needs
 - Facilitates business opportunities

AMS BEED Membership and Major Activities

- The BEED typically consists of 10-12 members with 3-year rotations of service and representation across the major sectors (public, private, academia)
- Chairs of BEED committees also remain engaged with the board's activities as ex officio members
- BEED committees are charged with maintaining progress in their specific assigned areas and report status back to the board
- The largest activity of the BEED itself is planning and conducting the annual AMS Washington Forum

AMS Washington Forum (AWF): A 3-Day Event Each Spring

- Purpose:
 - To provide an opportunity for members of the weather, water, and climate community to meet with senior Federal agency officials, Congressional staff, and other community members to hear about the status of current programs, learn about new initiatives, discuss issues of interest to our community, identify business opportunities, and speak out about data and other needs

- Who Should Attend:
 - All members of the weather, water, and climate community are encouraged to attend, as well as end users of weather, water, and climate information

- The AWF runs under a modified Chatham House Rule:
 - Participants are free to use the information received at the AMS Washington Forum, but attribution of remarks of speakers (including panelists and attendees) by other people is not permitted
 - Away from the meeting, speakers are free to quote themselves
 - AMS will post the slide presentations to the AMS website after the event, for which the presenter must provide explicit approval to the AMS

2014 AMS Washington Forum: Theme and Sessions

- Theme:
 - Leveraging the Enterprise: Strengthening Our Value to Society
- Interactive Session List:
 - Theme Session
 - Commercialization of Weather and Climate Data
 - Impacts of the Changing Arctic
 - Congressional and Executive Staffers
 - Impacts of Extreme Weather and Climate Events on Health
 - Space Weather Mitigation: Recovering from a Carrington Event
 - Federal Agency Leads
 - Some Current Capabilities and Future Plans for Surface Transportation Weather Support
 - Water-Energy Nexus
 - Typhoon Haiyan

2014 AMS Washington Forum: Additional Speakers and Events

■ Additional Speakers:

- Kathryn Sullivan, Undersecretary of Commerce for Oceans and Atmosphere
- Antonio Busalacchi, Director, Earth System Science Interdisciplinary Center (ESSIC), University of Maryland
- Sharon Parrott, Vice President for Budget Policy and Economic Opportunity, Center on Budget and Policy Priorities
- Bill Gail, Current AMS President
- Alexander (Sandy) MacDonald, Future AMS President

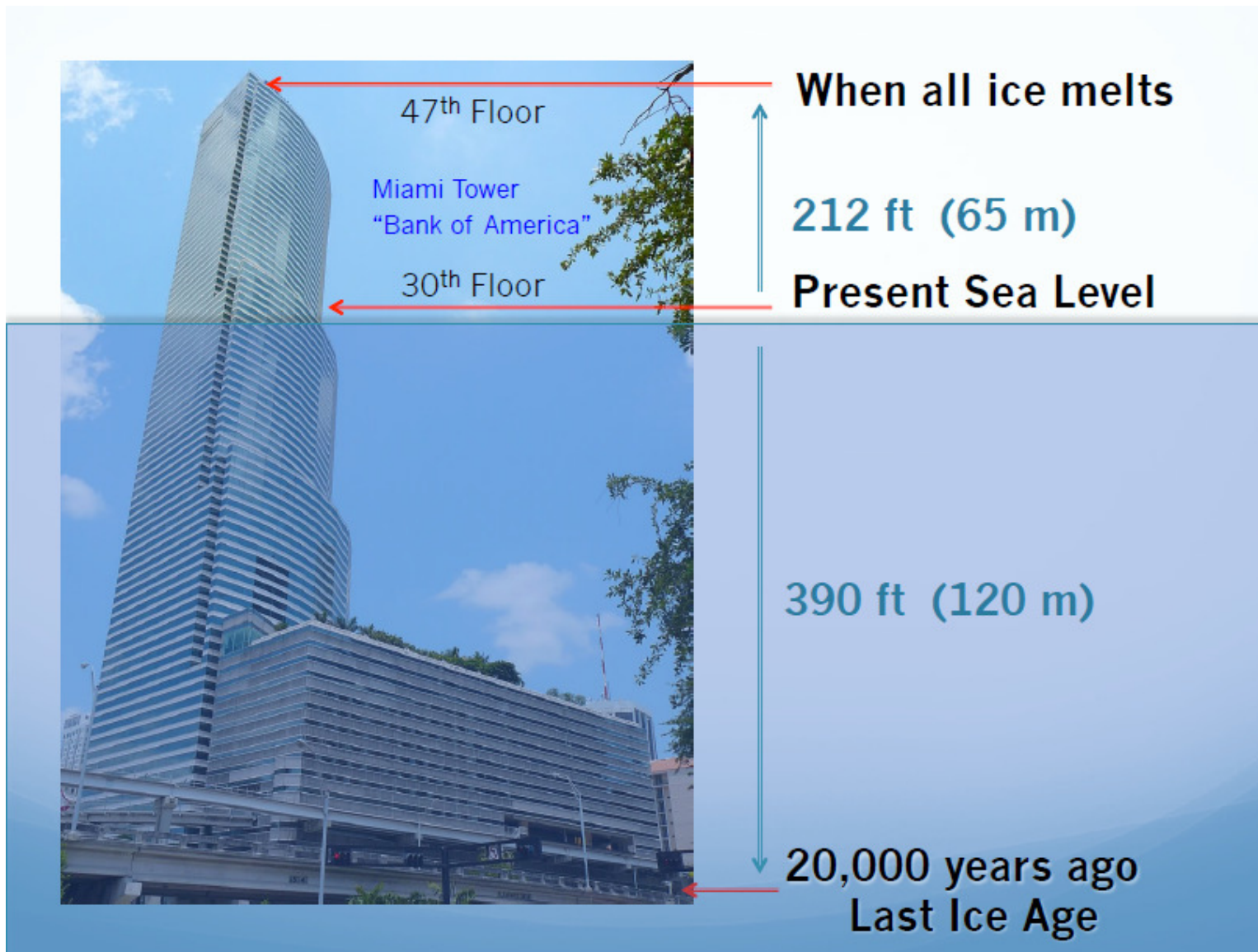
■ Other Events:

- Reception and Dinner (Busalacchi was the dinner speaker)
- Student Dinner (~25 students from several universities in the DC vicinity)
- Book Signings

■ Website:

- <http://www.ametsoc.org/MEET/fainst/2014washingtonforum.html>

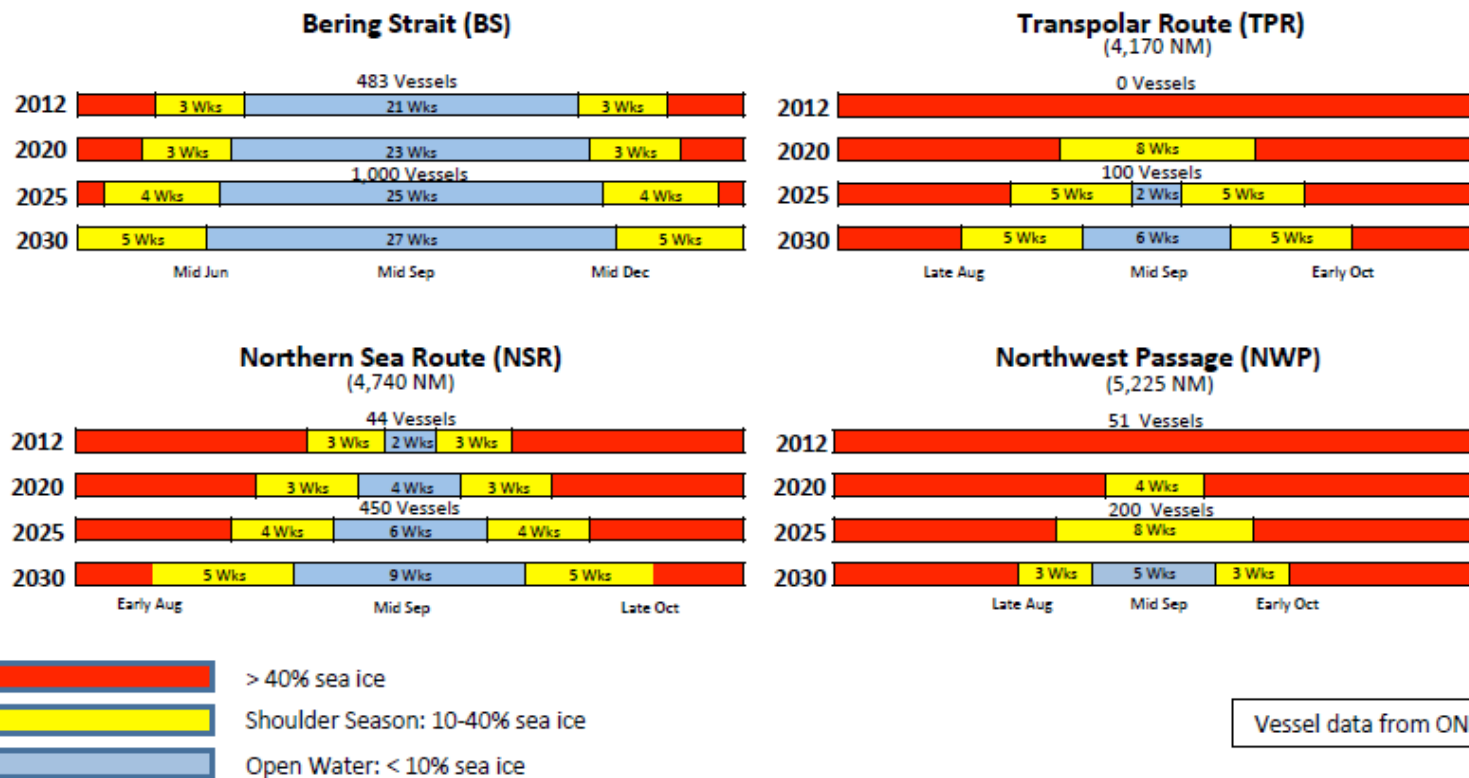
2014 AWF Sample Content: Theme Session



2014 AWF Sample Content: Impacts of the Changing Arctic



Arctic Sea Route Navigability



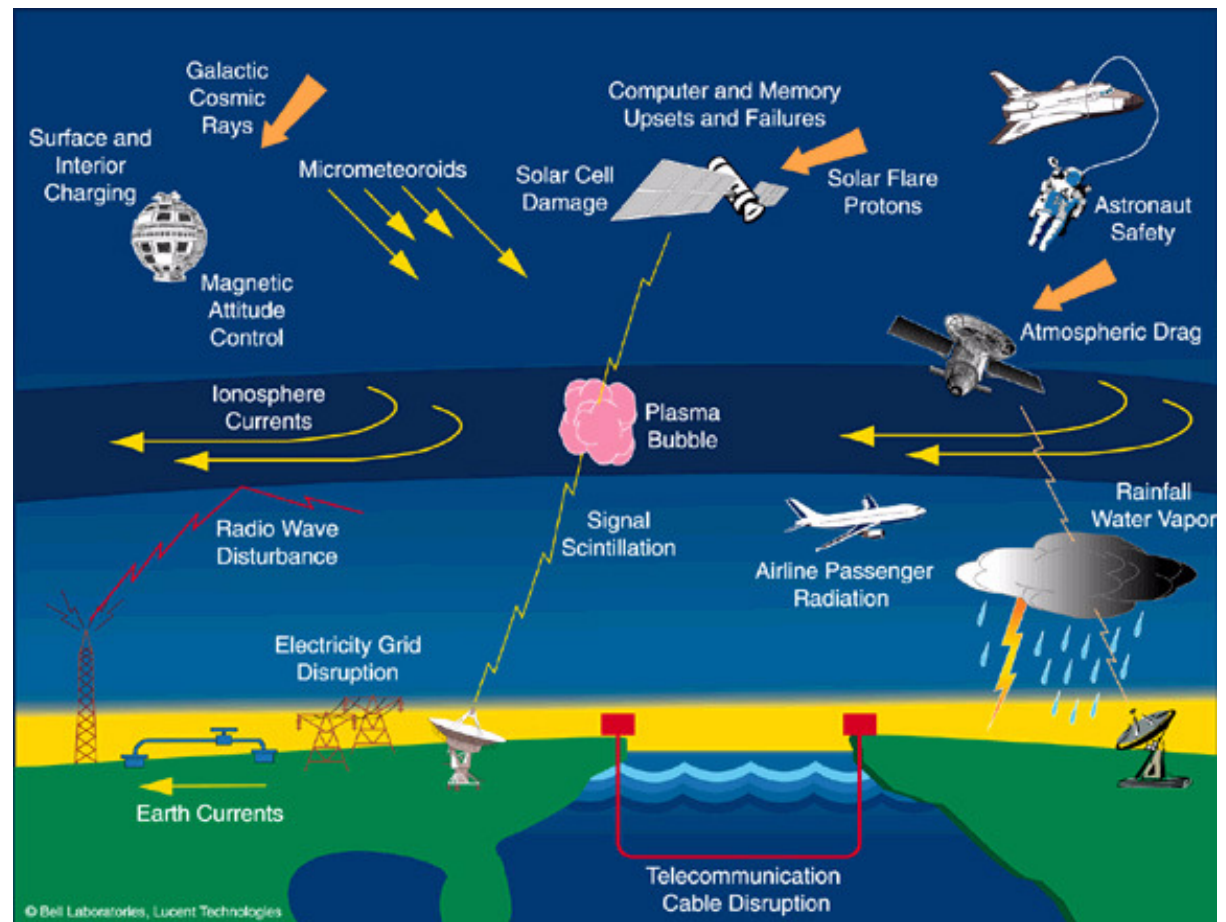
Polar routes will gradually open. Transit season is short. Maritime activity growth only 2-4% of global shipping. Will not replace the Suez or Panama Canals as primary shipping routes.

2014 AWF Sample Content: Congressional and Executive Staffers

- House of Representatives Bill 2413 (HR2413, The Weather Forecasting Improvement Act of 2014)
- HR2431, National Integrated Drought Information System (NIDIS) Reauthorization Act of 2014
- General discussion about the difficulty in legislating improvements to forecasting intermediate time scales that straddle weather and climate
 - Example provided: bad winter in Chicago led to a lot of train delays, which propagated across the nation and subsequently impacted things like ethanol production and grain storage)

2014 AWF Sample Content: Space Weather and Carrington Events

- Carrington Event in 1859: induced currents made it possible to run the telegraph lines without batteries.
- The following is a transcript between Portland and Boston (1859):
 - Portland: “Please cut off your battery, let us see if we can work with the auroral current alone”
 - Boston: “I have already done so! How do you receive my wiring?”
 - Portland: “Very well indeed -- much better”



2014 AWF Sample Content: Federal Agency Leads



Weather-Ready Nation: “Can’t Do It Alone” National Water Center

February 2014

NWS Takes Possession of National Water Center (NWC)

May 2014

Building Ready for Physical Occupancy

May 2015

Initial Operating Capability Established



MISSION: Deliver state-of-the-science, summit-to-sea, treetop-to-bedrock hydrologic analyses, forecast information, and decision support services to address the Nation’s growing water resources challenges.

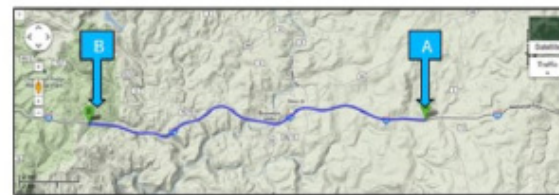
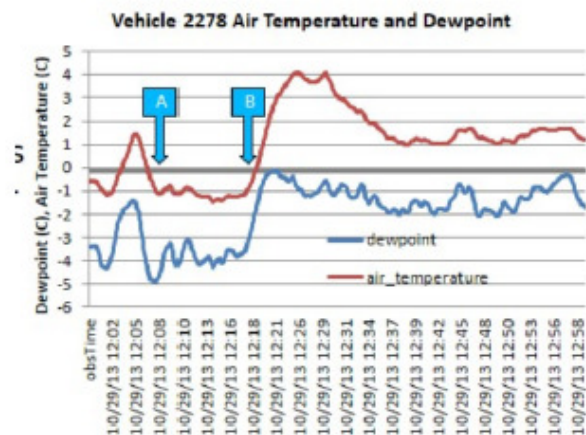
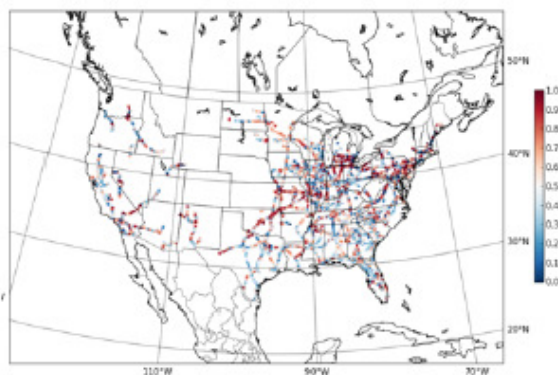
VISION: Serve as the Nation’s premier site for integrated water resources science and services and the most trusted and authoritative source for water resources information.

2014 AWF Sample Content: Surface Transportation



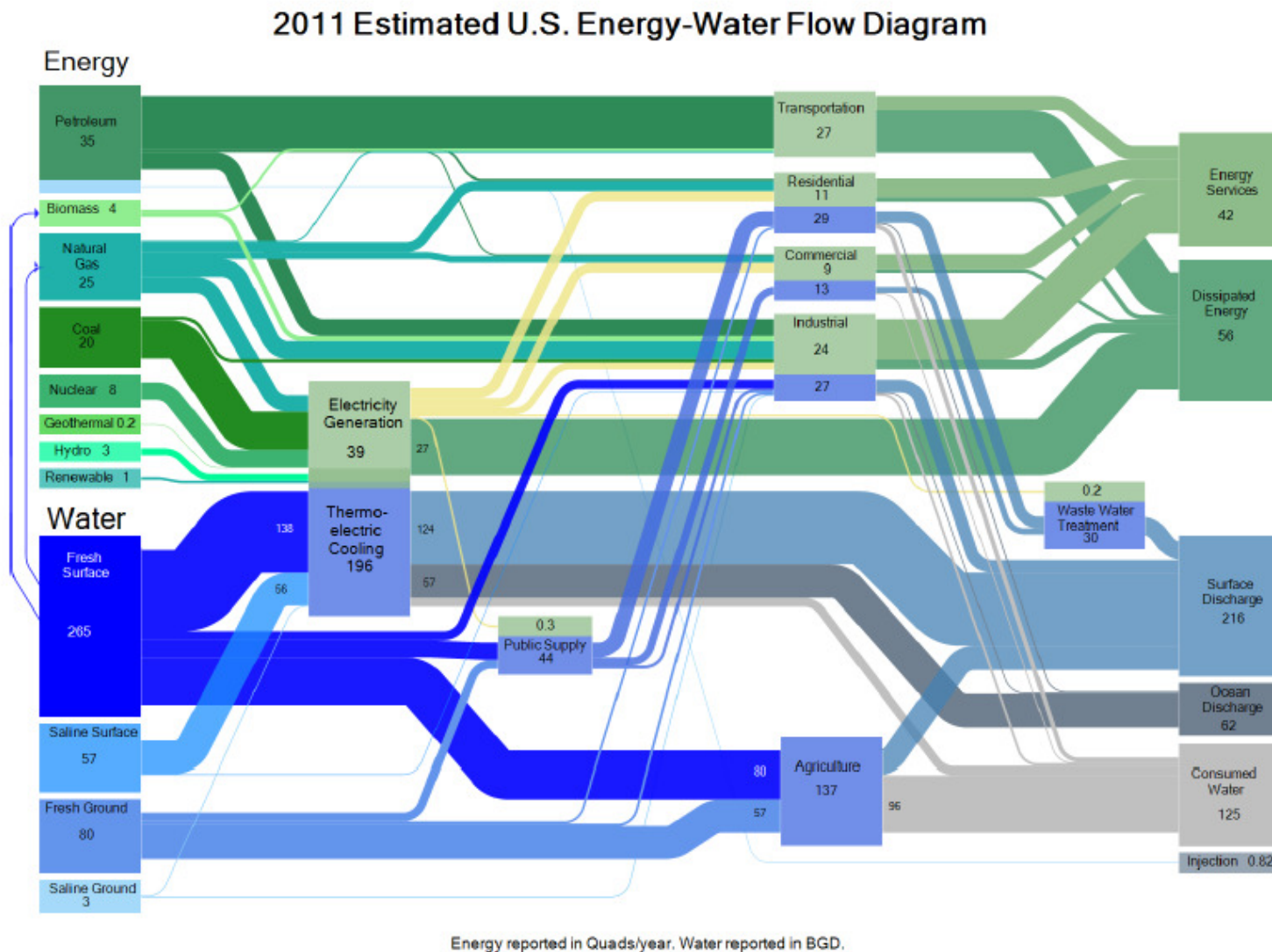
Expanding Data Sets

- Mobile platforms being explored to fill data gaps and detect hazards
- Mobile weather data are being assimilated into Univ. of Utah system to test data impacts on analyses
- Mobile data could eventually be included within RTMA

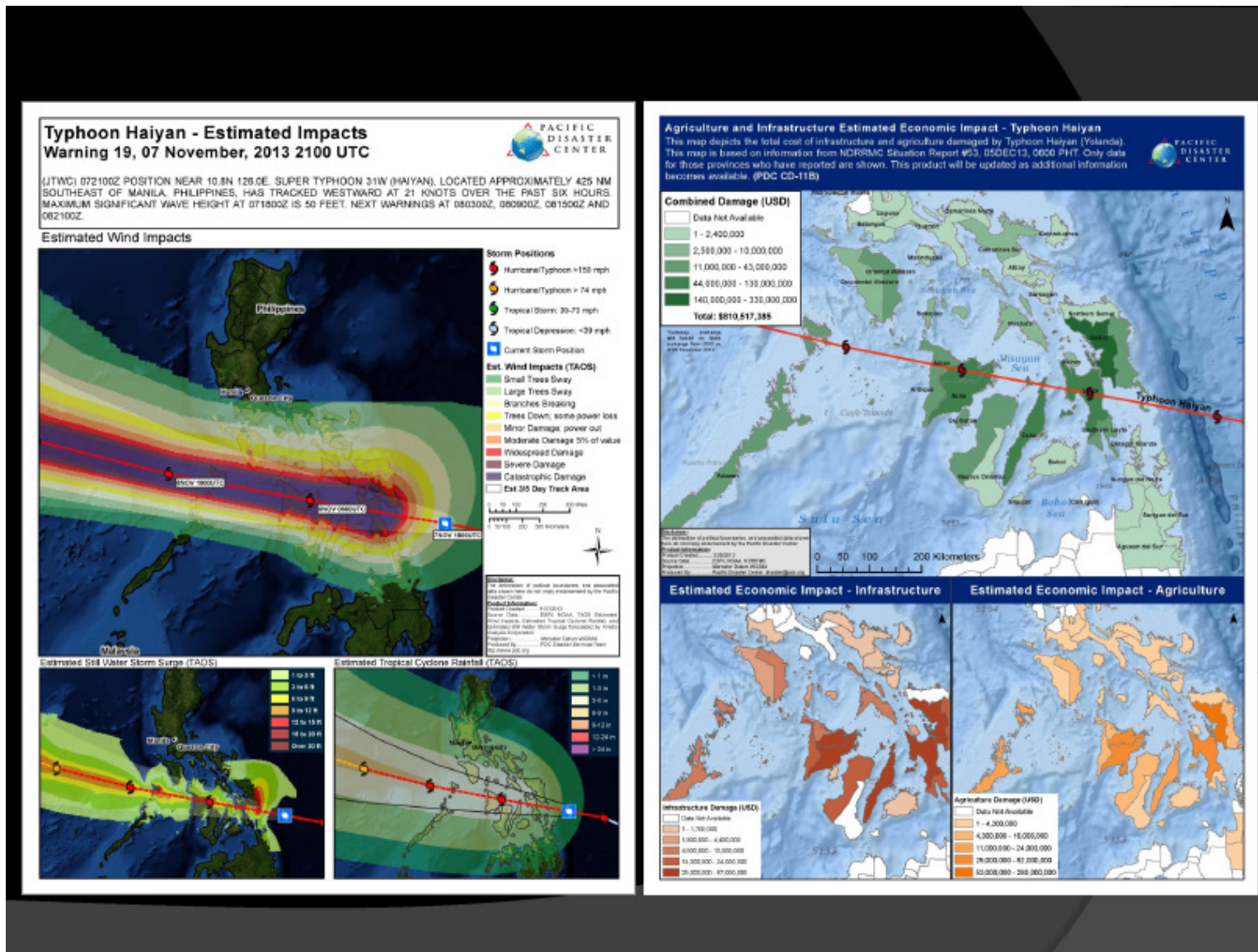


A mobile platform transit pinpoints geography along Interstate 68 in West Virginia with sub-freezing air temperature – and a risk for icing.

2014 AWF Sample Content: Water-Energy Nexus

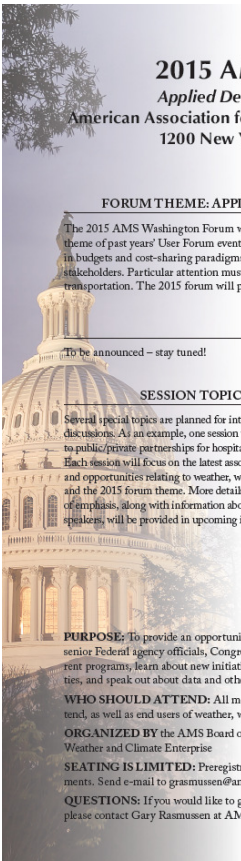


2014 AWF Sample Content: Typhoon Haiyan



Preview of the 2015 AWF

- The next AWF is April 21-23, 2015, at the American Association for the Advancement of Science (AAAS) Building, 1200 New York Avenue NW, Washington, D.C.
- Theme:
 - Applied Decision Support: Meeting User Needs
- Sessions planned:
 - Theme Session
 - Congressional and Executive Staffers
 - Federal Agency Leads
 - Hospital Preparedness
 - Rail/Trucking and Marine Transportation
 - Water Resources and Users
 - Commercial Weather and Satellites
 - Intersection of Science and Legal Issues
 - Interstate and International Water Issues
- Look for the ad in BAMS each month →
- Registration coming soon at AMS website



2015 AMS Washington Forum
Applied Decision Support: Meeting User Needs
American Association for the Advancement of Science (AAAS) Building
1200 New York Avenue NW, Washington, D.C.
21–23 April 2015

FORUM THEME: APPLIED DECISION SUPPORT: MEETING USER NEEDS

The 2015 AMS Washington Forum will focus on end users of weather, water and climate data, returning to the theme of past years' User Forum events conducted by the AMS. As the enterprise evolves and adapts to changes in budgets and cost-sharing paradigms, heightened attention to the needs of its end users is key to success for all stakeholders. Particular attention must be given to key areas of industry, such as health and the various modes of transportation. The 2015 forum will promote dialogue between the enterprise and its end users toward that end.

GUEST SPEAKERS

To be announced – stay tuned!

SESSION TOPICS	FEDERAL AGENCY LEADERSHIP, EXECUTIVE BRANCH AND CONGRESSIONAL STAFFERS
Several special topics are planned for interactive panel discussions. As an example, one session will be devoted to public/private partnerships for hospital preparedness. Each session will focus on the latest associated challenges and opportunities relating to weather, water and climate and the 2015 forum theme. More details on specific areas of emphasis, along with information about special guest speakers, will be provided in upcoming issues of <i>BAMS</i> .	Complementary to the session topics on specific user needs, senior leaders from agencies including NOAA, NASA, and other enterprise stakeholders will look ahead and provide updates on current weather, water, and climate programs and provide insights on new science initiatives and directions. We will also invite leaders from the Office of Management & Budget, the Office of Science & Technology Policy, and Congress, who will discuss the latest weather-, water- and climate-related programs and legislative initiatives to better serve the American people.

PURPOSE: To provide an opportunity for members of the weather, water, and climate community to meet with senior Federal agency officials, Congressional staff, and other community members to hear about the status of current programs; learn about new initiatives; discuss issues of interest to our community; identify business opportunities; and speak out about data and other needs.

WHO SHOULD ATTEND: All members of the weather, water, and climate community are encouraged to attend, as well as end users of weather, water, and climate information.

ORGANIZED BY: the AMS Board on Enterprise Economic Development, a part of the AMS Commission on the Weather and Climate Enterprise

SEATING IS LIMITED: Preregistration is strongly recommended. Watch the AMS_PSL list for announcements. Send e-mail to grasmussen@ametsoc.org to be added to the announcement list.

QUESTIONS: If you would like to get involved in helping to plan future meetings, or if you have any questions, please contact Gary Rasmussen at AMS HQ at 617-226-3981 or grasmussen@ametsoc.org.

Thank You!

- Questions?
- You can also contact the Program Committee Chair at shawn.w.miller@raytheon.com

Acronyms

- AMS: American Meteorological Society
- AWF: AMS Washington Forum
- BEC: Board on Enterprise Communications
- BEED: Board on Enterprise Economic Development
- BEST: Board on Enterprise Strategic Topics
- BGS: Board on Global Strategies
- BOEM: Bureau of Ocean Energy Management
- CGS: Common Ground System
- COEIS: Committee on Open Environmental Information Sources
- CVD: Congressional Visit Data
- CWCE: Commission on the Weather and Climate Enterprise
- DOC: Department of Commerce
- DOI: Department of the Interior
- DSS: Decision Support Services
- ESSIC: Earth System Science Interdisciplinary Center
- FWCRM: Financial Weather and Climate Risk Management
- HR: House of Representatives
- ITS/ST: Intelligent Transportation Systems/Surface Transportation
- JPSS: Joint Polar Satellite System
- NASA: National Aeronautics and Space Administration
- NIDIS: National Integrated Drought Information System
- NOAA: National Oceanic and Atmospheric Administration
- NWS: National Weather Service
- OAR: Oceanic and Atmospheric Research
- PCW: Polar Communications and Weather
- RFI: Request for Information
- RTMA: Real-Time Mesoscale Analysis
- SDD: Service Description Document
- UCAR: University Corporation for Atmospheric Research
- USAID: United States Agency for International Development
- USGS: United States Geological Survey
- USVI: United States Virgin Islands
- WEEET: Weather Enterprise Economic Evaluation Team