



Live Webinars

Best Practices for Training and
Decision Support

WDTB Facilitation Workshop

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Learning Objectives

- Identify best practices for using live desktop sharing applications (e.g. GotoMeeting) for training and decision support



CRAS Forecast Imagery in AWIPS	Satellite	2006	Basic	Lindstrom	N	Y	Y	45
GOES 3.9 μ m Channel	Satellite	2006	Basic	Lindsey	Y	Y	N	45
GOES Sounder Data and Products	Severe / Sat	2006	Basic	Bachmeier	Y	N	N	60
Introduction to GOES N, O, P	Satellite	2006	Basic	Schmit	Y	N	N	45
MODIS Products in AWIPS	Satellite	2006	Basic	Bachmeier	N	N	Y	60
GOES High Density Winds	Satellite	2005	Basic	Bachmeier	Y	N	N	60
Monitoring Gulf Moisture Return	Severe / Sat	2005	Basic	Bikos; Braun	Y	Y	Y	45
Predicting Supercell Motion in Operations	Severe / Sat	2005	Int	Bunkers	Y	Y	N	75
Utilizing GOES Imagery to Forecast Winter Storms - Part 1	Winter / Sat	2004	Int	Bikos, Braun	Y	Y	Y	75
Utilizing GOES Imagery to Forecast Winter Storms - Part 2	Winter / Sat	2004	Int	Bikos, Braun	Y	Y	Y	75
Interactive Cloud Height Algorithm and GOES Sounder Point Retrievals in AWIPS	Other	2004	Basic	Bikos; Lindsey	Y	Y	N	60
Convective Downbursts	Severe / Sat	2004	Basic	Pryor	Y	Y	Y	60
Mesoscale Convective Vortices	Severe / Sat	2004	Basic	Lindstrom	Y	Y	Y	75
Use of GOES RSO imagery with other Remote Sensor Data for Diagnosing Severe Weather across the CONUS (RSO 3)	Severe / Sat	2003	Int	Bikos; Braun	Y	Y	Y	130
The Satellite Rainfall Hydro-Estimator	Tropical / Sat	2003	Basic	Kuligowski	Y	Y	N	75
Water Vapor Channel Satellite Imagery	Satellite	2003	Basic	Bachmeier	Y	N	Y	75
Wildland Fire Detection using Satellite Imagery	Fire Weather	2003	Basic	Bikos	Y	Y	N	75
Cyclogenesis: Analysis Utilizing Geostationary Satellite Imagery	Winter / Sat	2002	Basic	Bikos; Braun	Y	Y	Y	75
Lake-Effect Snow 2	Winter / Sat	2002	Adv	Bikos	Y	Y	N	75
Lightning Meteorology 2	Lightning	2002	Adv	Zajac; Lindsey	Y	Y	N	90
Mesoscale Banding in Winter Storms	Winter	2002	Basic	Novak	Y	Y	N	60
TROWAL Identification	Winter / Sat	2002	Basic	Lindstrom	Y	Y	Y	75
Lightning Meteorology 1	Lightning	2001	Basic	Zajac; Lindsey	Y	Y	N	90
Mesoscale Analysis of Convective Weather Using GOES RSO Imagery	Severe / Sat	2001	Basic	Bikos	Y	Y	Y	75
Detecting Boundaries	Severe / Sat	2000	Basic	Grant; LaDue	Y	N	N	28
Lake-Effect Snow 1	Winter / Sat	2000	Basic	Bikos	Y	Y	N	75
Precipitation Type Forecasting	Winter	2000	Basic	Baumgardt	Y	Y	N	90
CONUS CG Lightning	Lightning	1999	Basic	Zajac	N	Y	N	75
Enhanced-V	Severe / Sat	1998	Basic	Bachmeier	N	N	Y	60
LTO Boundaries at Night	Severe / Sat	1998	Basic	Motta; Mostek	N	Y	N	60
Title	Topic	Developed	Level	Instructor(s)	Recorded	Talking points	Live Training	Length (Min)

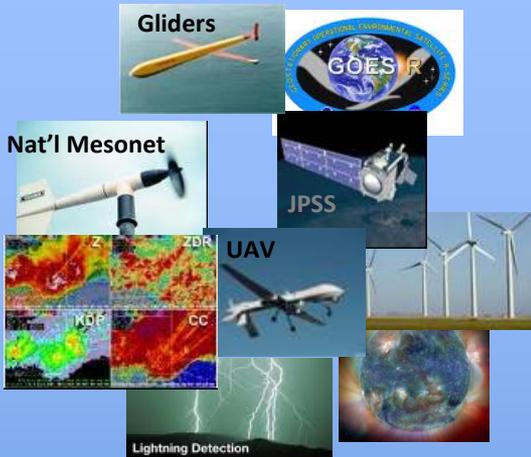
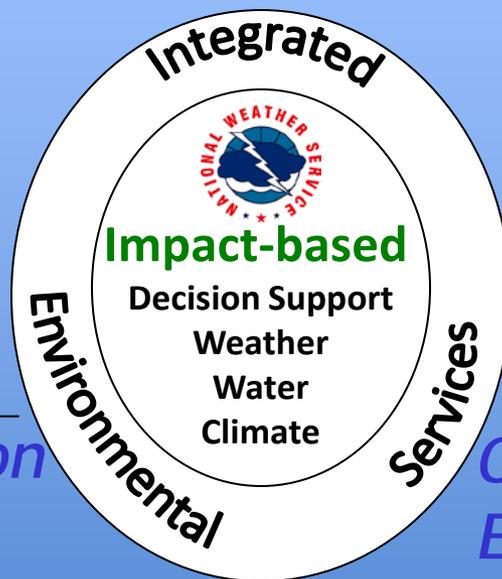


Future Services Model - Customer Focused

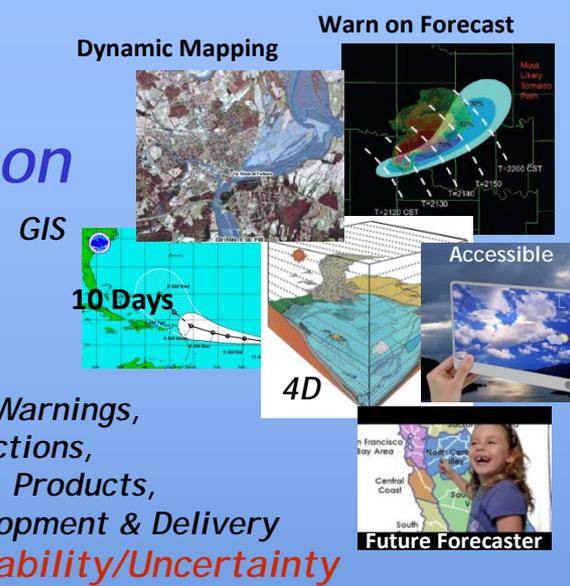
2020

Data

Information



e.g., Dual Pol, GOES-R, Total Lightning, UAV, JPSS, gliders, National Mesonet
Data Volume Explosion!



e.g., Warnings, Predictions, NDFD, Products, Development & Delivery
Probability/Uncertainty

"What If" Scenarios

Interpretation & Response

Outreach & Education

Contingency Response



Engagement

Preparedness



Consultation & Collaboration



How will the weather impact my plans?

Work with Private Sector

Culture Of Trust

Training with Partners



Impact Catalogs



Expanded International Outreach

Core Partners
(expanded interactions)

Impact by Significance

Protection of Life & Property

Weather Ready Nation

Mission Support for All Services (Local, Regional & National)

What is Impact-based Decision Support Services (IDSS)?

– Impact-based Services

- Affects everything that NWS does; focus NWS resources on things that matter – impacts on society



– Decision Assistance to Core Partners

- NWS intent to provide **direct personal assistance** to the decision making process

– Decision-relevant Information

- NWS intent to make all of its information easy to find, understand and incorporate into decision making across the whole of US Society

Some Commonly Tools Available for Direct Personal Assistance

- Phone
- NWSChat
- Gotomeeting/Gotowebinar
- <https://join.me>
- Adobe Connect
- Logitech webcam
- Skype
- Gmail voice and chat
- WebEx

Best Practices for Using GotoMeeting

- Similar rules apply for live training
 - Good slide design is key
- Simplicity is best rule
- Watch Bandwidth issues
- Use common repository to store briefing slides
- Make sure you use annotations to enhance message

What's Available? What are Costs?

- Cost = \$528 per license
- ~200 Licenses in NWS
 - All in WR/SR have one
- Long Update Cycle
- No video (yet)

The screenshot shows the GoToMeeting Corporate web interface. The top navigation bar includes the GoToMeeting logo and the text 'Now with GoToWebinar'. A left-hand sidebar menu contains options like 'Log Out', 'My Account', 'My Meetings', 'My Webinars', and 'My Trainings'. The main content area is titled 'My Webinars' and displays a list of upcoming webinars. Each entry includes the webinar title, registration link, session settings, start date/time, and the number of registrants. Action buttons for 'Practice', 'Start', and 'Cancel This Session' are provided for each webinar.

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My Webinars

> All set up! We have emailed you the Webinar invitation. Use it to invite people to attend your Webinar. You can always change details here.
> 1 panelist has been notified.

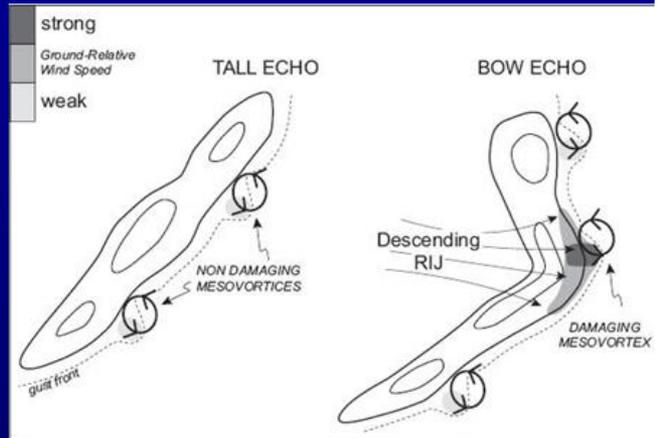
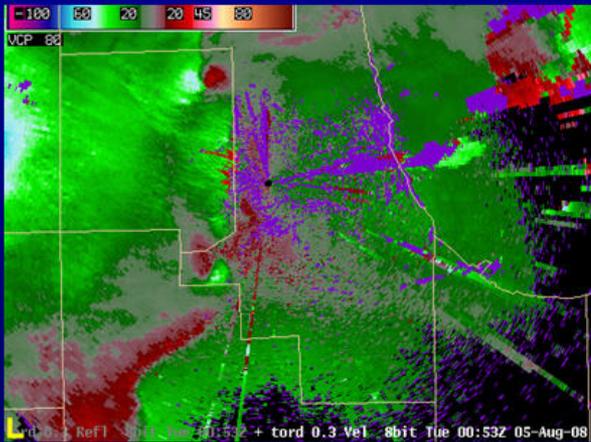
View your upcoming Webinars below to manage Webinar settings, begin practice sessions or start a Webinar. You may also start a Webinar from within a practice session.

My Webinars

Sort By:

Start Date/Time	Registrants
AWOC IC Severe 4 Section 2 Edit	
Registration: Edit	Email me the invitation
Change Session Settings: <input type="text" value="Select setting..."/> View	Add to Outlook calendar
Start Date/Time	Registrants
Wed, May 11, 2011 9:00 AM - 10:00 AM CDT	1 <input type="button" value="Practice"/> <input type="button" value="Start"/>
Schedule Another Schedule Similar Webinar	Cancel This Session
AWOC Severe Forecasting Contest Webinar Edit	
Registration: Edit	Email me the invitation
Change Session Settings: <input type="text" value="Select setting..."/> View	Add to Outlook calendar
Start Date/Time	Registrants
Fri, May 13, 2011 11:00 AM - 12:00 PM CDT	1 <input type="button" value="Practice"/> <input type="button" value="Start"/>
Schedule Another Schedule Similar Webinar	Cancel This Session
AWOC Facilitation Workshop Presentation Edit	
Registration: Edit	Email me the invitation
Change Session Settings: <input type="text" value="Select setting..."/> View	Add to Outlook calendar
Start Date/Time	Registrants
Wed, May 18, 2011 4:00 PM - 5:00 PM CDT	0 <input type="button" value="Practice"/> <input type="button" value="Start"/>
Schedule Another Schedule Similar Webinar	Cancel This Session
AWOC IC Severe 4 Section 3 Edit	
Registration: Edit	Email me the invitation
Change Session Settings: <input type="text" value="Select setting..."/> View	Add to Outlook calendar

Mesovortices



File Options View Help

Screen Sharing

ON AIR Showing screen

ON AIR

Show My Screen Stop Showing Screen Give Keyboard & Mouse Change Presenter

Attendee List (1 | Max 26)

NAMES - ALPHABETICALLY

Brad Grant (Organizer, Presenter, Me)

Invite Others

Audio

Audio information not provided by the organizer. Edit

Chat

[Type message here]

All - Entire Audience Send

Meet Now Meeting ID: 236-919-824 GoToMeeting®

70. mesovortices

Stat Prev Load Page Next

Choose an enhancement

bb Red Animate Rock Animation Speed

Erase All Last < > Toggle

See URL Print Fade

Set frame (now=1)

Enbridge Oil Spill Daily Briefing Slides

Impacts to Operations

Tonight

- Continued chance for strong storms – ending after midnight
- Lightning continues to be a threat and could see isolated severe storms
- Basin-wide average rainfall will be under 1/2"
- Isolated storms could produce localized heavy rainfall

Wednesday

- There is a chance for thunderstorms in the early morning and again in the late afternoon.
- Rainfall amounts are not expected to exceed 1/2"
- Rainfall beyond Wednesday could cause some minor rises on the local rivers.

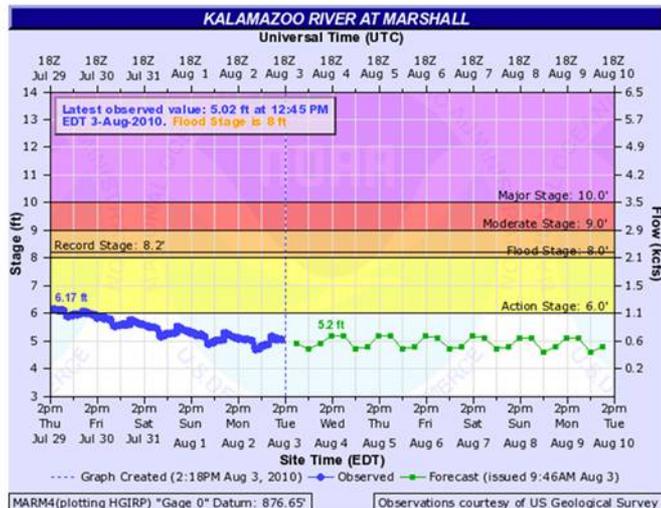
Forecast for Wednesday August 4

Wednesday, August 4



Time	Temp	Dew Point	Rel Hum	Weather	Wind
6am	72°	71°	97%	Slight Chc Tstms	↖ SW 3 @ 7
9am	75°	71°	87%	Chance Tstms	↖ WSW 5 @ 8
12pm	82°	71°	69%	Chance Tstms	↖ WSW 9 @ 16
3pm	85° (90°)	70°	61%	Chance Tstms	↖ WSW 14 @ 22

Time	Temp	Dew Point	Rel Hum	Weather	Wind
6pm	84°	70°	63%	Chance Tstms	→ W 13 @ 21
9pm	77°	69°	76%	Chance Tstms	→ W 9 @ 16
12am	70°	68°	93%	Chance Tstms	→ W 5 @ 9
3am	68°	67°	100%	Slight Chc Tstms	→ W 5 @ 8



Estimated Travel Time

As of 12:00 PM Tuesday, August 3, 2010

From	To	Travel Time (hours)
Marshall	Battle Creek	32
Battle Creek	Comstock	43 ¹
Comstock	Plainwell	14
Plainwell	Allegan Dam	7 ¹
Allegan Dam	New Richmond	30

¹: These estimates may be too low. The largest source of uncertainty for estimating how fast the oil will move downstream is the travel time through Morrow Lake/Morrow Dam and Lake Allegan/Allegan Dam. Our models simulate the movement of a flood crest through these structures, which is not necessarily the same as the movement of a surface contaminant like oil through the reservoirs.

More Best Practices on Use of Briefing Slides

- Best Practice: The Operational Impact slide set the tone of the weather & water brief. It provided the most pertinent information “**headlines**” to Incident Command in a concise and consistent manner and helped NWS personnel focus their message.
- Best Practice: Weather and water requirements of the response will evolve with time. The NWS Lead should review SitReps and IAPs regularly and meet with the Planning Section Chief at least weekly to **maintain calibration** of both **emphasis and content** of NWS briefing slides.



Multimedia Weather Briefings

- Need annotations and images that draw attention to point
- Conversational tone best – but provide context
- No Standardization!
- Weather stops at CWA borders??

Don't forget to check the graphiccasts for the latest information on an evolving weather situation!

Questions?
Call Us!
205-664-3010

Thanks for viewing!

What About Adding Video?

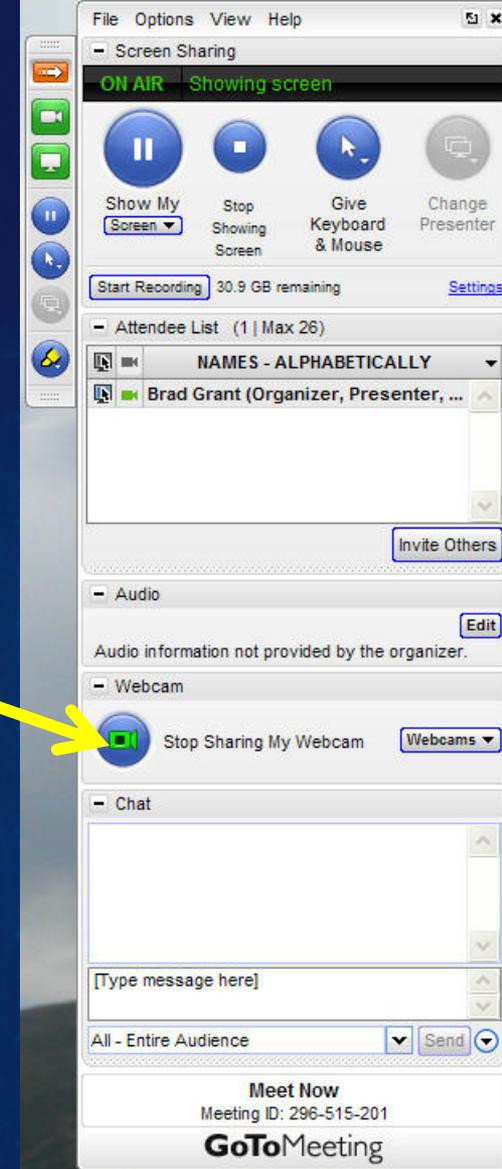
- Technology allows it, but can we do it successfully?
- Pros
 - Provide a more *personal* experience for users
 - Can gauge interest
 - Can show things/ideas that can't be shared on the computer screen (i.e. storm reports)
- Cons
 - Can be distracting
 - Requires significant bandwidth



- Gotomeeting enhancement

HD Faces

- Up to 6 video lines available
- Dedicated audio line + good bandwidth
- Currently testing capabilities for DSS training



Summary

- Live options are easy to set up; harder to maintain; quality control; need a good script
- Recordable option is popular
- Instructional design rules still apply