



NOAA Integrated Dissemination Program

2013 NOAA Environmental Data
Management Workshop

June 25-27, 2013



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NOAA Integrated Dissemination Program



- NOAA's dissemination mediums wide and varied
 - Satellite broadcast
 - Web
 - On-demand
 - Subscription
 - Push/pull
 - Point-to-point
 - Middle-ware
 - Radio
- Customer base just as wide and varied:
 - Federal, state, local governments
 - Commercial
 - Academia
 - International
 - Public
- Current dissemination systems, which use different standards, have evolved as stovepipes with overlapping capabilities that serve similar content to customers
 - Over 170 Web sites and 20 operational dissemination capabilities
 - Managed by various organizations
 - Funded under different programs and offices



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NOAA Integrated Dissemination Program



- NOAA's Integrated Dissemination Program (IDP) established to transform organization's dissemination capabilities from a collection of independent stovepipes to an integrated enterprise-wide dissemination service
- IDP funding is derived from three separate funding lines (NWSTG Re-architecture, NextGen, and NWS Ground Readiness Project (GRP))
 - NWS GRP activities will be accelerated with supplemental funding contained in the Hurricane Sandy Relief Bill.
- IDP includes multiple projects, one of which is Web Services Project
 - Improve discovery, access and delivery of NOAA data to stakeholders using national and international web services standards implemented on highly reliable / high capacity / secure IT infrastructure and networks
- Primary IDP infrastructure foundation to be part of NCEP Central Operations in College Park, MD...back-up in Boulder, CO
- Projects and applications are to be moved into or established in overall dissemination service infrastructure



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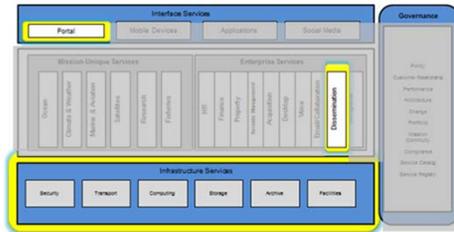
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IDP Overview

- IDP plans to deliver NOAA-wide Dissemination Services in a phased approach
- In Phase 1, “near term” focus is on laying NWS dissemination service foundation

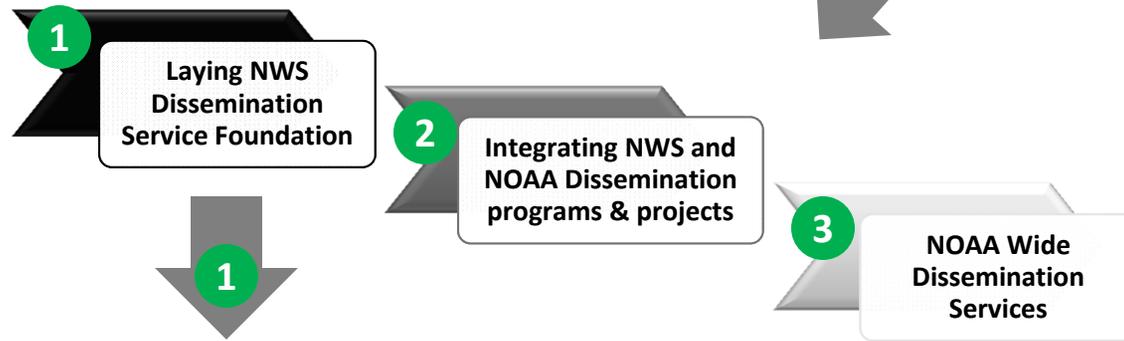
NOAA Enterprise Shared Services Model



National Weather Service Portfolios



IDP Long Term Approach (Phased Approach)



IDP Near Term Approach



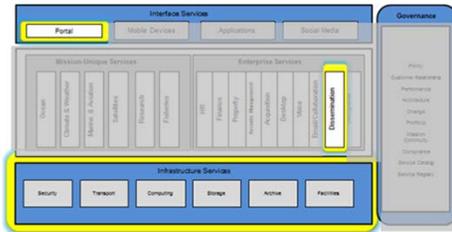
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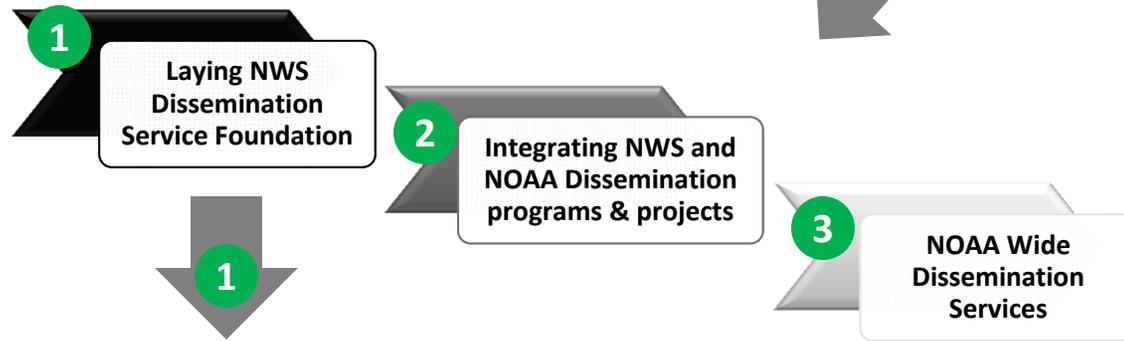
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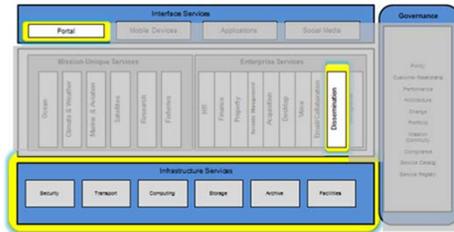
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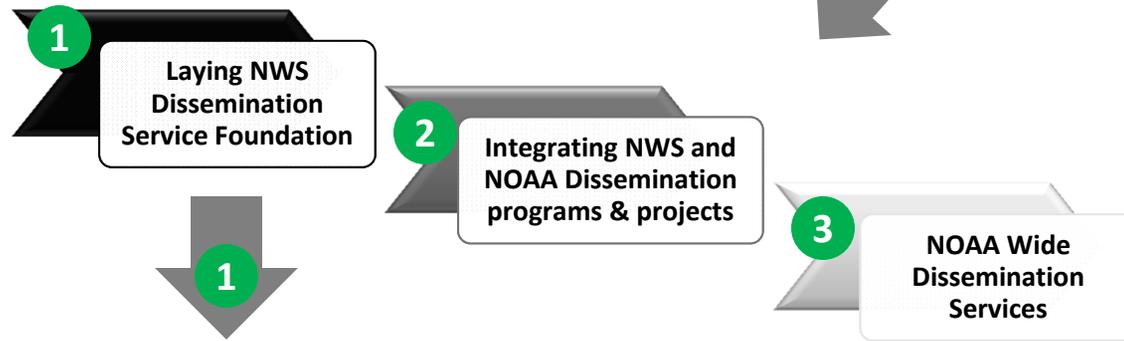
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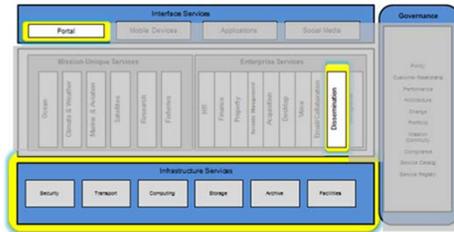
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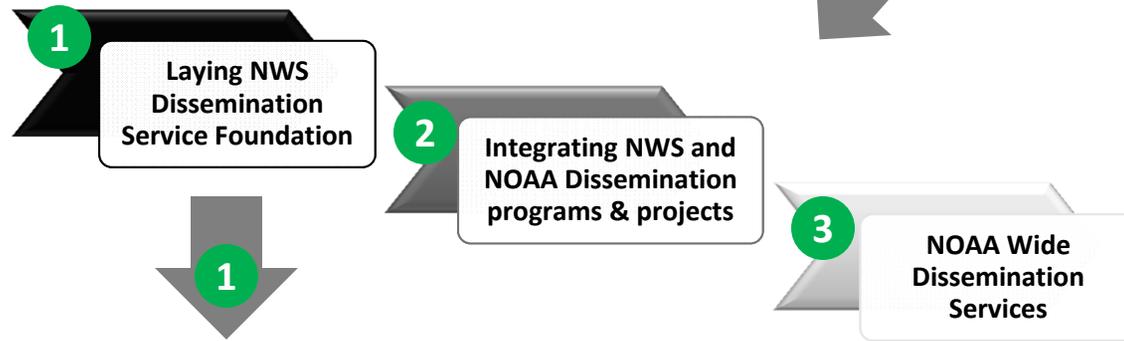
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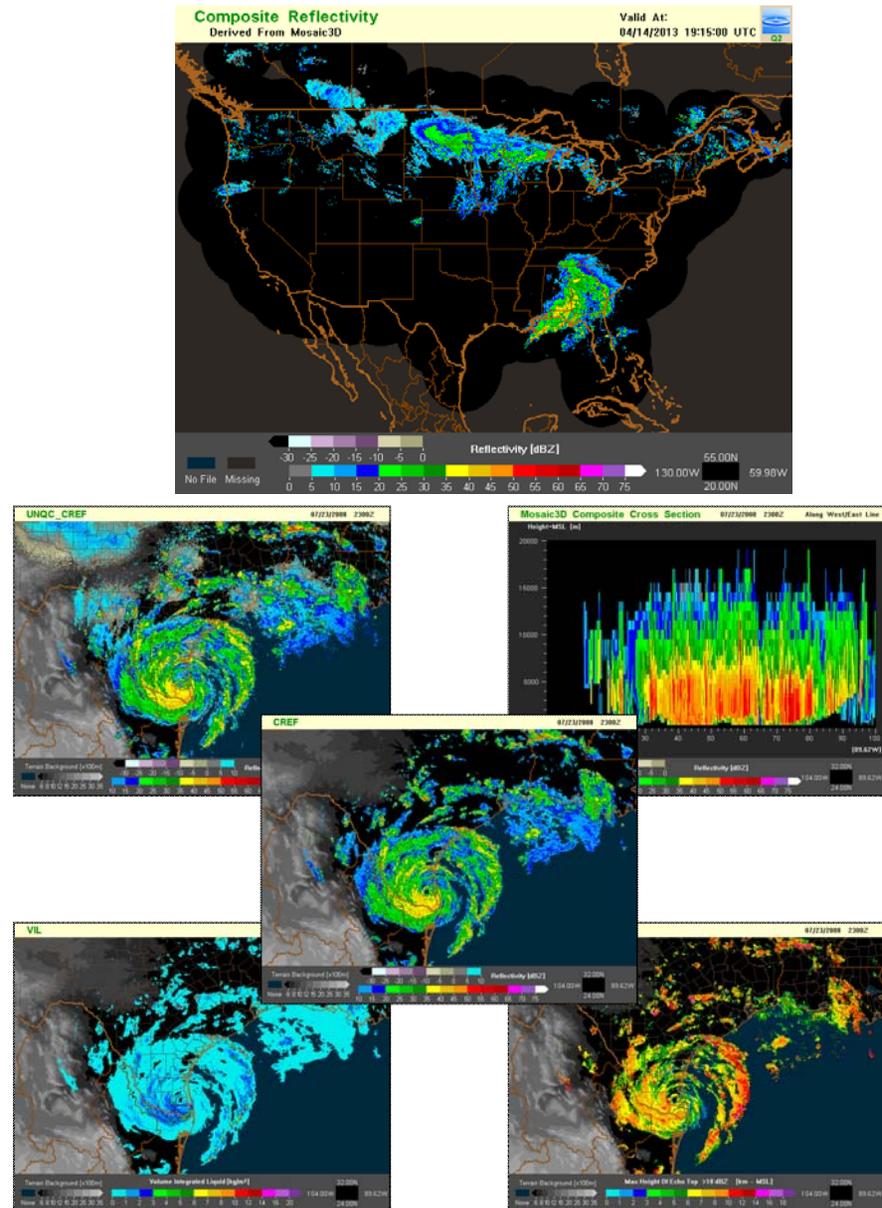
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Example Application Going into IDP: 3-Dimensional Radar Mosaics



- Implementing 3-dimensional radar mosaic and products
- Initial implementation of Multi-Radar/Multi-Sensor (MRMS).
 - Developed by NOAA Labs and initially funded by FAA and other organizations
 - Provides national (CONUS) 3D radar mosaic with a 1-km horizontal resolution over 31 vertical levels and a 5-minute update cycle.
 - This product plus Benefits aviation, hydrological, severe weather service areas.
- IOC targeted for late 2014.

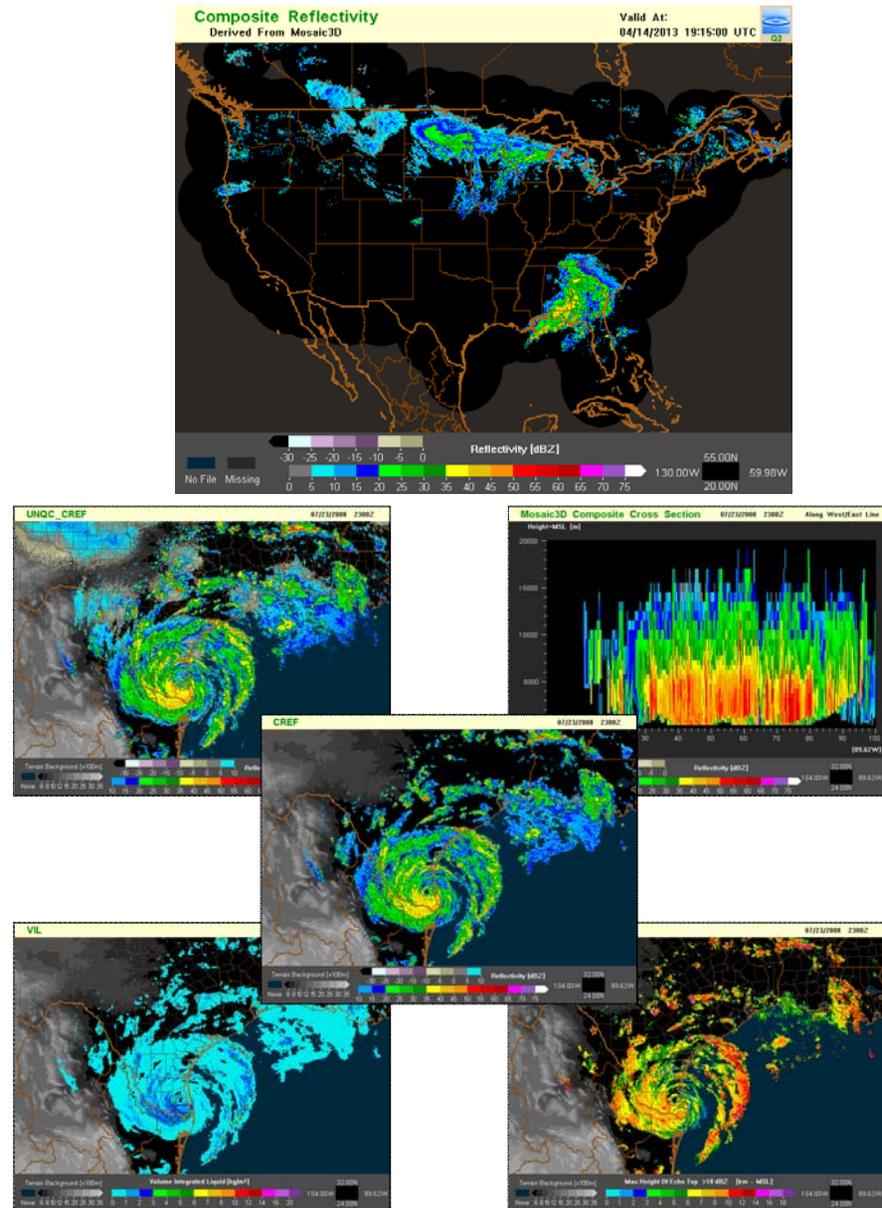




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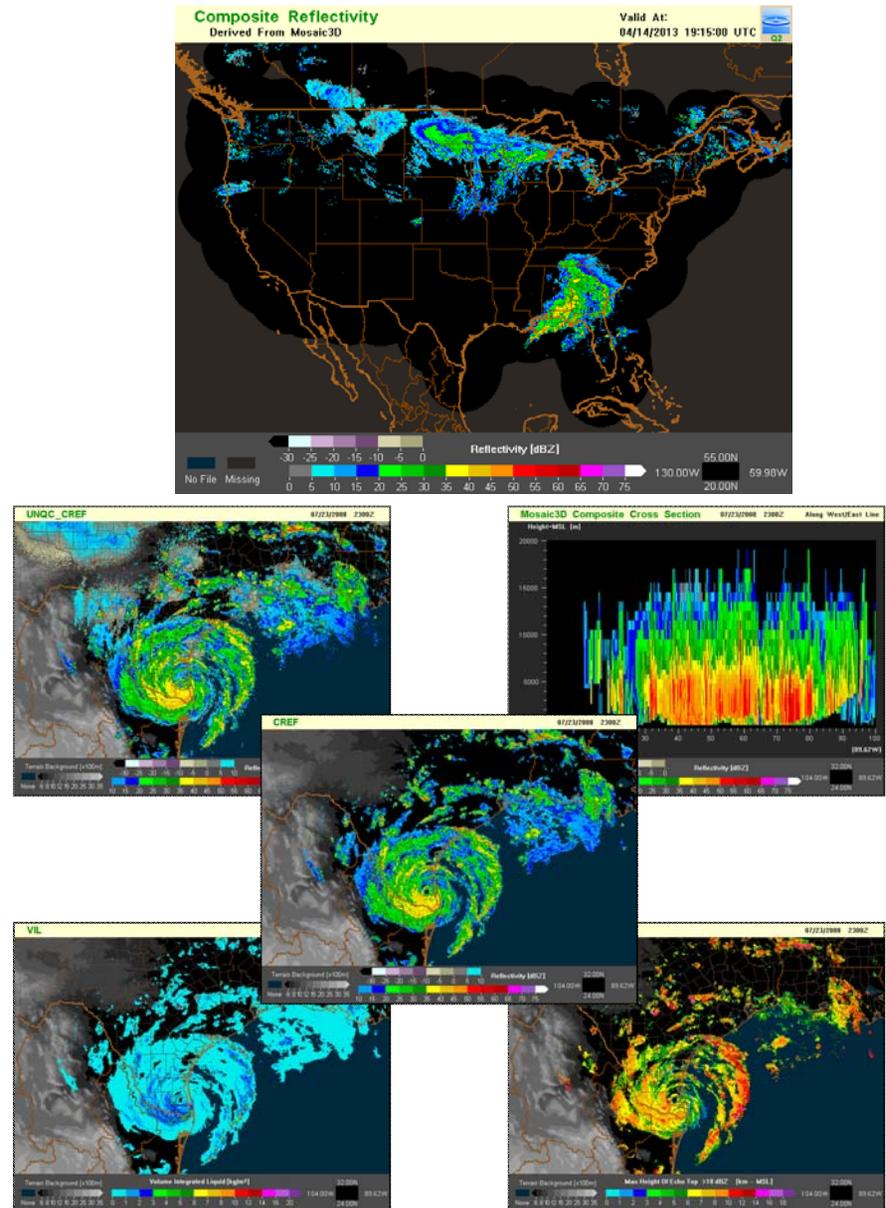




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