

The National Weather Service Evolving to Build a Weather-Ready Nation

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What is IDSS?

Impact-Based Decision Support Services

Definition: *The provision of relevant information and interpretative services to enable core partners' decisions when weather, water, or climate has a direct impact on the protection of lives and livelihoods.*

IDSS is a shift from product-focused service to a more customer-focused operating model.



Why Are We Evolving our Service?

Three Reasons:

Increased Vulnerability – Extreme Climate, Water, and Weather Events are on the rise and we have Increased Public Vulnerability.

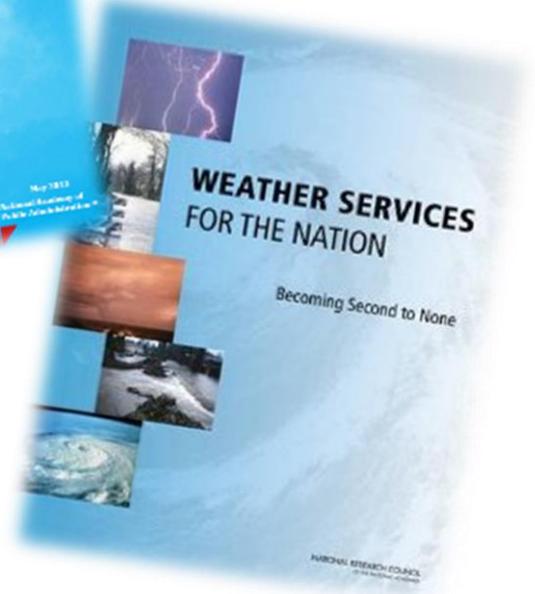
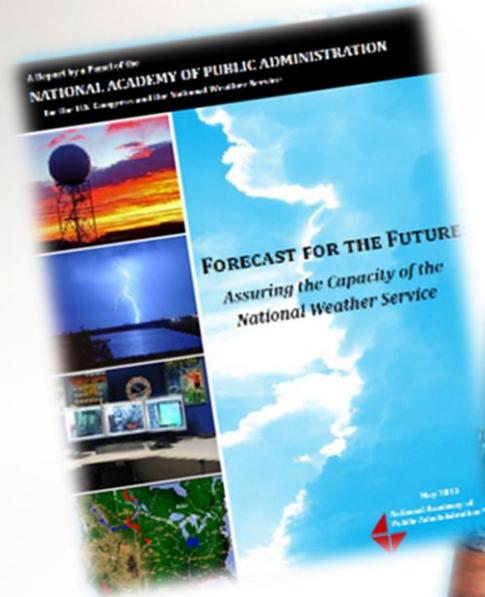
Need /Demand– Our core partners (local, state and federal agencies) need more actionable information beyond the forecast to protect the public. (IDSS!)

Mission Fulfilment – The National Weather Service can't accomplish the service part of its mission without evolving to provide IDSS across all our 11 service areas.

NWS Mission: to provide weather, water, and climate data, forecasts and warnings for the **protection of life and property and the enhancement of the national economy.**

Genesis of Evolve

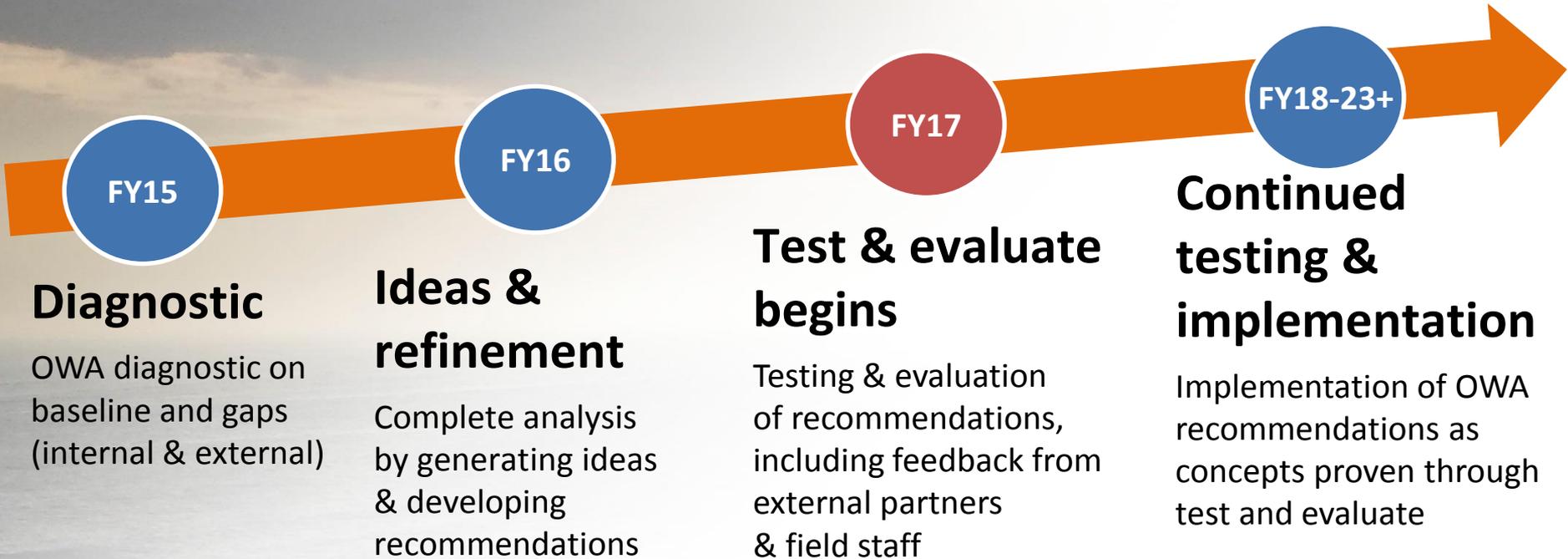
- 2011 Tornadoes (Alabama, Joplin, MO)
- Two Congressionally directed Academy studies
- Contracted with McKinsey and Company
- Internal and External Engagement



What Will Evolve Look Like?



Operations and Workforce Analysis: Evolve Timeline



Involve, engage and communicate with internal and external stakeholders throughout

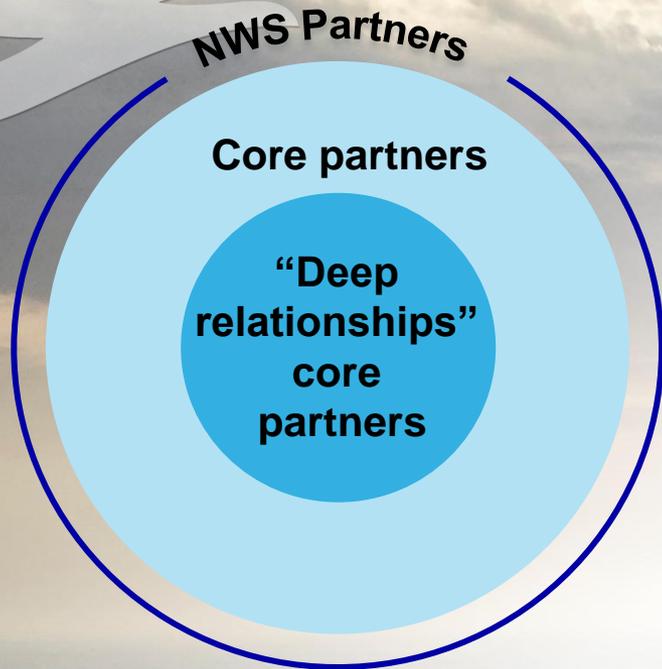
Analysis & Idea Development

Developed by members of NWS Field Offices and Headquarters

Recommendation Review & Decisions

NWS Senior Leadership committee

Local IDSS



- NWS IDSS users are engaged and loud and clear on the need for:
 - Accuracy and consistency
 - Timely/reliable delivery
- **94% of IDSS is provided locally through the Weather Forecast Offices – No Office Closures!**
- Success depends on:
 - IDSS focused on core partners and deep relationships with those partners
 - Knowing partner key decision points/thresholds and risk preferences
 - Providing consistent IDSS at national, regional and local levels
- In response:
 - NWS must work towards a Fully Integrated Field Structure based on a Collaborative Forecast Process
 - Working towards “One NWS – One Forecast” to ensure consistency and accuracy

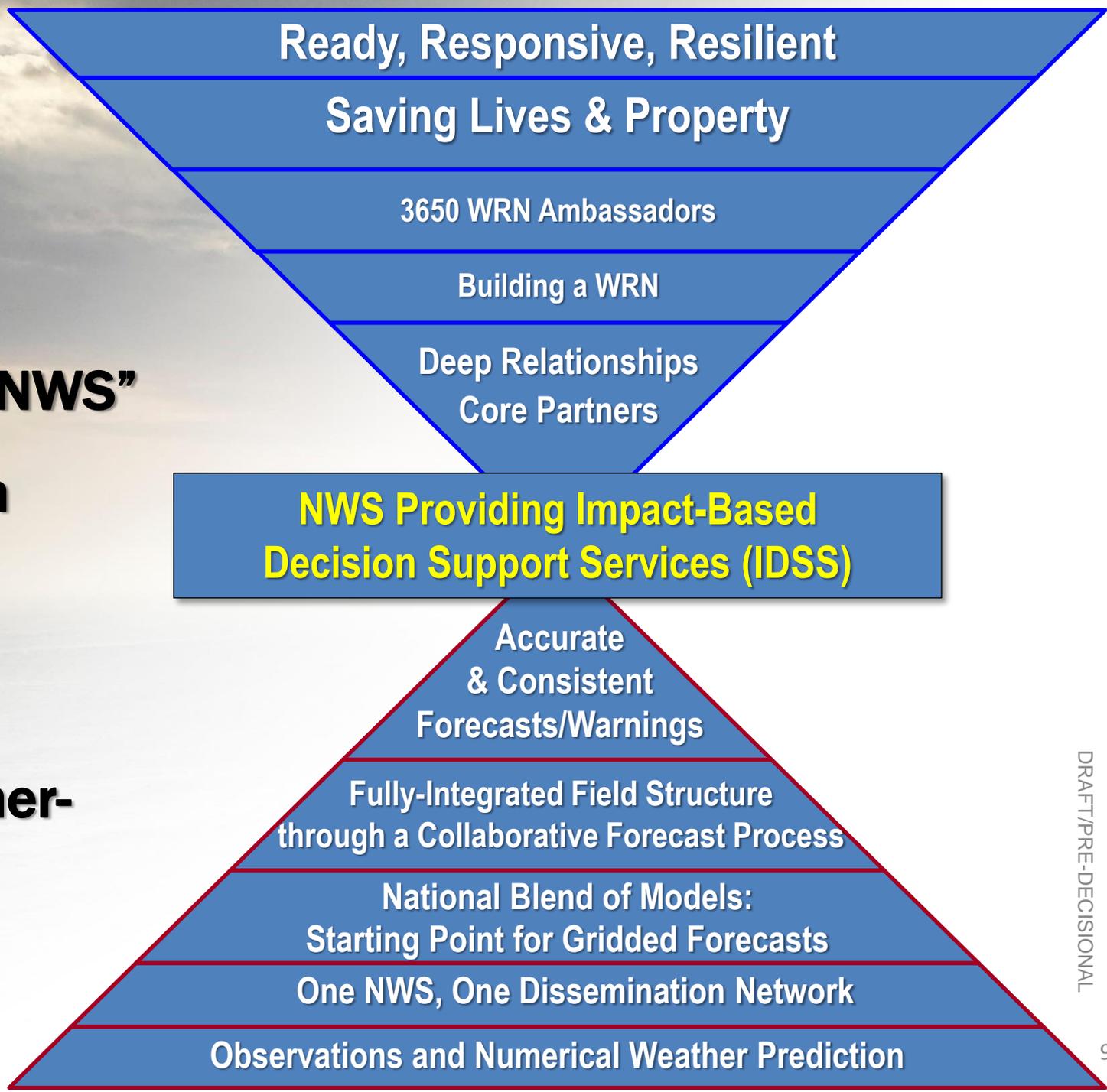
Field-Driven Proposals to Unlock Staff Time

Needs
LU
Update



Involve, Engage and Communicate with Internal and External Stakeholders Throughout!

Linking
“evolving the NWS”
to accomplish
our mission
and to
build a Weather-
Ready Nation



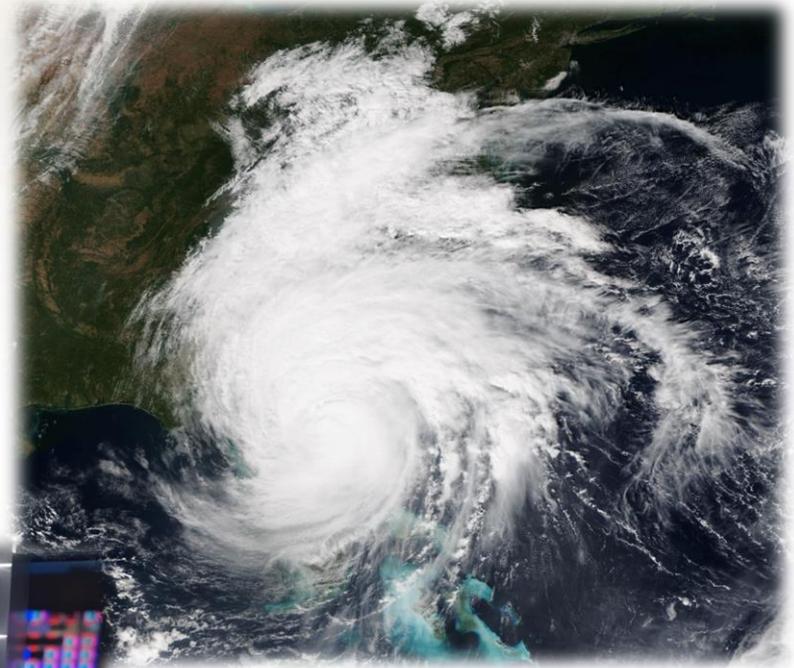
5 Key Ways Forward

We are evolving the National Weather Service by:

- **Better serving partners** by enhancing quality and consistency of IDSS at all levels of the organization, in all current locations because analysis shows 94% of partners are local partners – no office closures
- **Improving effectiveness of forecasting in support of IDSS** through a collaborative process that makes the best use of technology, reduces duplication, and ensures consistency of the forecast
- **Matching workforce to workload** across the organization and **building a healthy organizational structure** to better meet the needs of NWS partners
- **Building a workforce the NWS needs to deliver science-based service:** both through enhancing skills today and hiring for tomorrow
- **Supporting critical science, research, technology and innovation** to best meet the NWS mission

Putting It All Together: Hurricane Matthew

- Pre-positioning assets
- Employee Surges
- Embedded with EOCs, DHS-FEMA, FAA
- Briefings to HHS/CDC

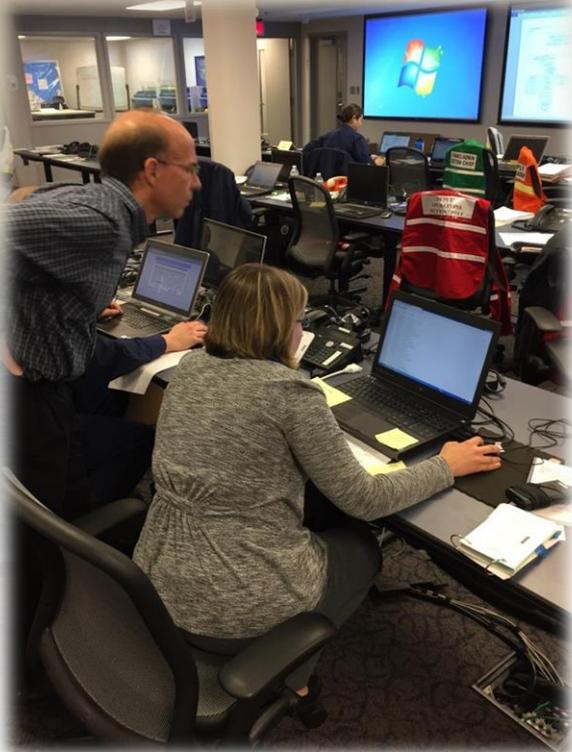


Wrap-Up

We need to evolve so we can build a Weather-Ready Nation, where society is prepared for and responds to extreme weather.

But many things will not change, including:

- ***Our local presence in communities nation wide.***
- ***Our critical relationships with core partners.***
- ***Our top-quality forecasts, watches and warnings.***
- ***Our core mission to provide weather, water, and climate data, forecasts and warnings for the protection of life and property and enhancement of the national economy.***



Questions

