



2025 NWS PARTNER ENGAGEMENT EVENT

SUMMARY BRIEFING



KEY OBJECTIVES

- OBTAIN EXTERNAL INSIGHTS TO VALIDATE STRATEGIC DIRECTION
- ASSESS THE IMPACT OF PROPOSED CHANGES ON EXTERNAL STAKEHOLDERS
- IDENTIFY OPPORTUNITIES FOR COLLABORATION AND INNOVATION
- BUILDING STRONGER PARTNER RELATIONSHIPS FOR LONG-TERM SUCCESS

THANK YOU FOR JOINING US!

On January 12th, 2025, the National Weather Service (NWS) hosted a Partner Engagement Event at the American Meteorological Society (AMS) Annual Meeting in New Orleans, LA. This annual event brings together stakeholders from industry, government, and academia within the Weather, Water, and Climate (WWC) Enterprise. The 2025 meeting featured three sessions:

- [Weather.gov 2.0](#) – When Every Word and Every Minute Matters
- Improving [api.weather.gov](#) – A Collaborative Vision
- NWS Transformation – IT Re-Architecture

OVERVIEW

This year’s NWS Partner Event focused on transformative initiatives to modernize infrastructure, enhance user experiences, and strengthen partnerships across the weather enterprise. Key topics included the rollout of Weather.gov 2.0, improvements to API services, and the transition to scalable, cloud-based solutions. Participants were polled on these areas, with results available in the presentation slides. Discussions also addressed improving data accessibility, reliability, and inclusivity, while tackling critical challenges like system resilience and funding. A recurring theme throughout the meeting was the essential need of reliability, which was consistently emphasized by users in attendance as a top priority for their needs and expectations.

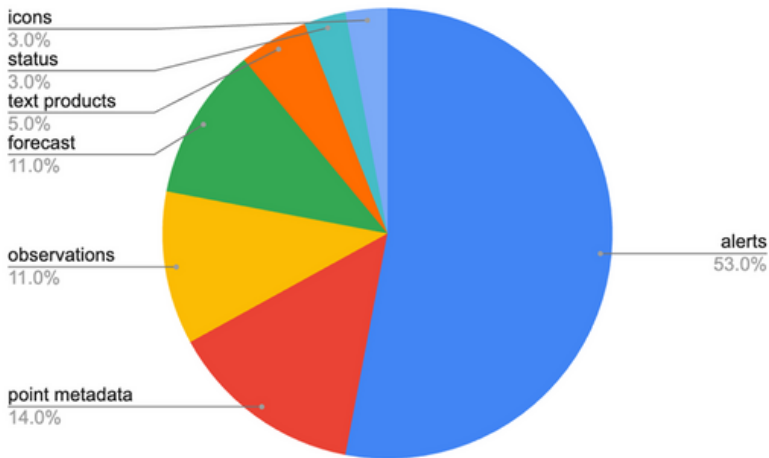
THE ROAD TO WEATHER.GOV 2.0

What excites you about Weather.gov 2.0?



The discussion highlighted updates on Weather.gov 2.0, a project designed to improve accessibility and user experience. This initiative prioritizes decision-making needs, shifting from technical complexity to delivering localized, actionable information. We’ve successfully delivered a Minimum Viable Product (MVP) in 2024 and are working toward key milestones including Full Operating Capability by October 2026. Planned improvements include enhanced scalability, a refreshed interface, and improved mobile functionality. Challenges such as downtime and scalability are being addressed through cloud solutions, API enhancements, and collaborations with technology vendors.

TRANSFORMING API.WEATHER.GOV

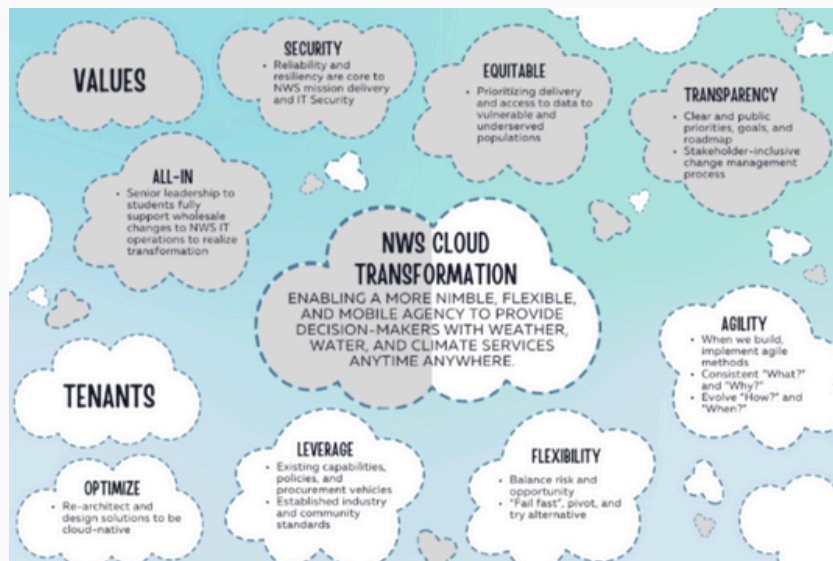


6.9B HITS IN DEC 2024!

The next session focused on API usage and development, emphasizing its vital role in delivering weather data to enterprise systems. Plans to enhance API reliability, usability, and governance aim to better meet user needs. Some long-term strategies include the need to enhance ease of use and improve visibility into performance and errors, accelerate development and integrate missing high-priority data to better serve users and the weather enterprise. We also discussed prioritizing lower latency for alerts, adding medium-priority data, supporting Spanish translations, and removing redundant services to improve functionality and accessibility.

IT RE-ARCHITECTURE

The IT Architecture team outlined goals for NWS transformation, focusing on resilient, cloud-based solutions. Key topics included cybersecurity, data accessibility, and transitioning to a scalable data mesh. Participants raised concerns regarding funding and integration timelines, and the need for a global status page for NWS services. The discussion emphasized strengthening NWS infrastructure for greater resilience and reliability. Key initiatives include transitioning to cloud-based solutions for data and applications, enhancing access to all NWS data for improved usability, and accelerating the integration of cutting-edge science and technology into operations and decision support services (DSS). These efforts aim to modernize the NWS framework, ensuring robust performance and greater adaptability to future challenges.



CLOSING REMARKS

The panel discussions concluded by outlining the overarching goals of NWS's cloud migration, which include building resilient and reliable IT solutions, transforming governance for future technologies, and ensuring data is scalable, secure, and easily accessible. We welcome your continued input and look forward to future engagements to ensure that our transformation efforts align with the needs of our partners and stakeholders.