

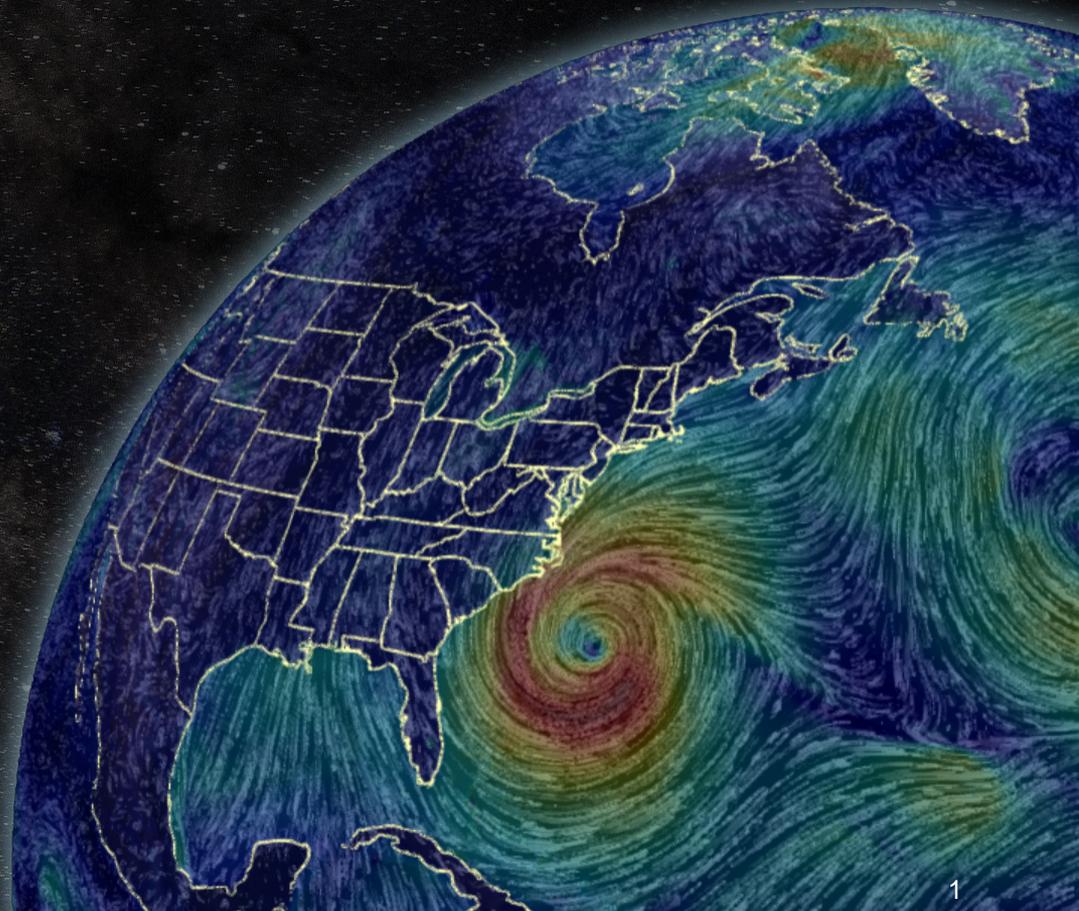
Specialized Information and Warning Systems

Greg Pratt

NOAA/ESRL/GSD

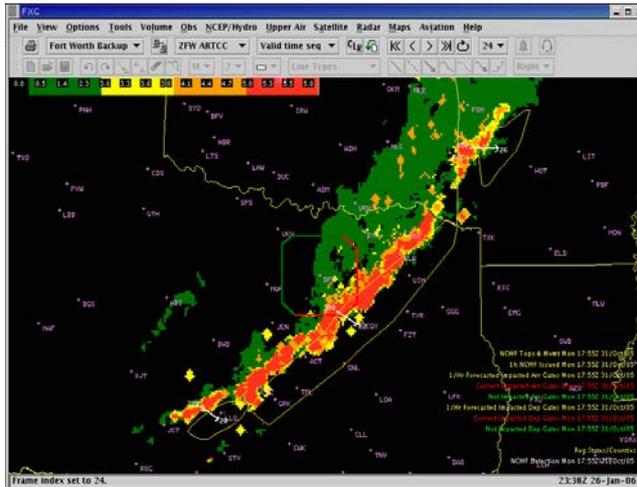


GSD Science Review
3-5 Nov 2015

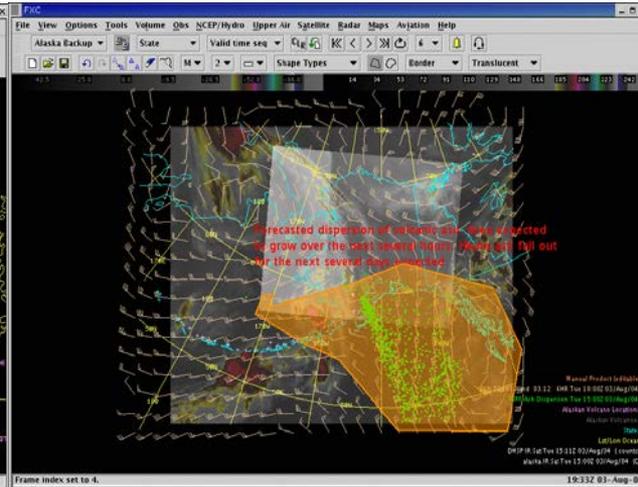


Overview of Projects

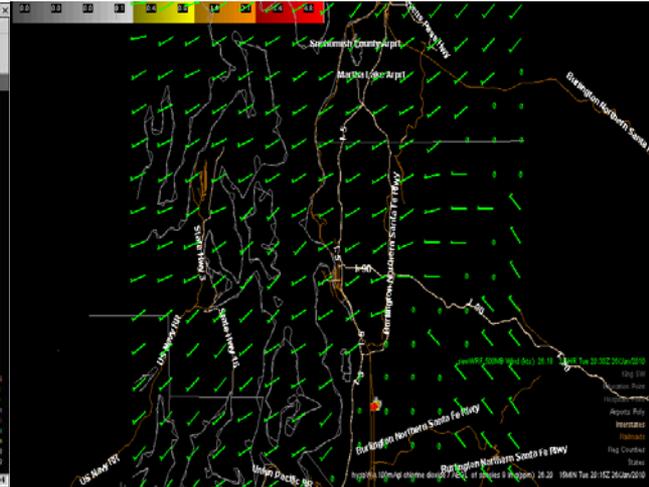
Traffic Management Unit (TMU)
2000 – 2013



Volcanic Ash Coordination Tool
(VACT)



Geo-Targeted Alert System (GTAS)
2009 – 2011

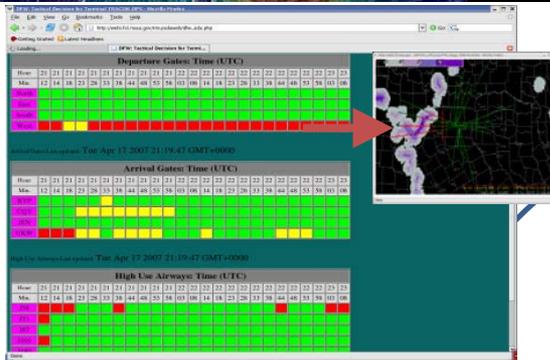


The systems provided the users the ability to:

- **Communicate**
- **Collaborate**
- **and Exchange Information**

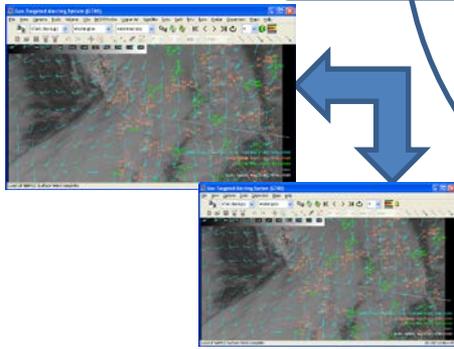
to improve the understanding of the impact of the event and deliver details of the event in a more useable form to the decision maker. (Forecaster, Traffic Manager, Emergency Manager, First Responder, ...).

Project Details



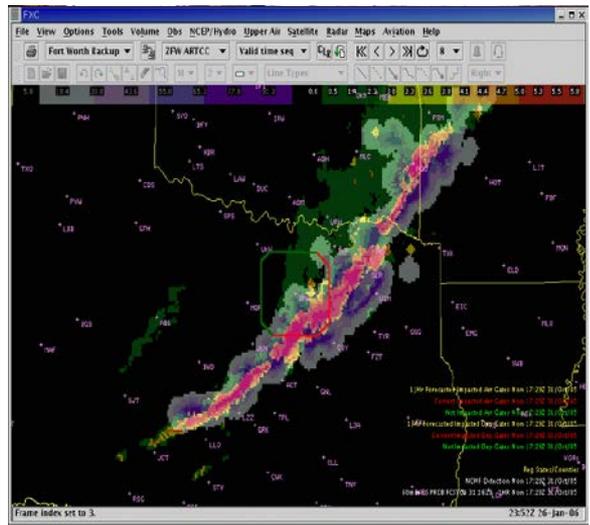
Weather Tailored and Disseminated Based on End-User Needs.

Subject Experts



Operational Support and Other End-Users

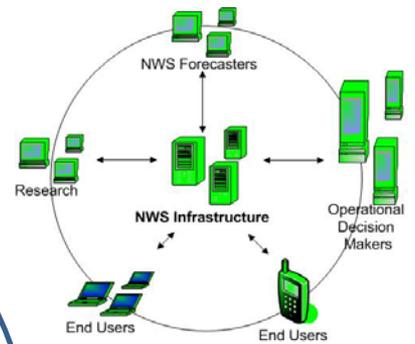
Network Enabled Operations



Shared Situational Awareness

Information Sharing

Integration of Relevant Data with the Latest Research and Technology.



- Volcanic Ash Plume Modeling**
- Toxic Plume Modeling**
- Enhanced Satellite Imagery**
- High Resolution Weather Models**
- Integration of All Relevant Data**

Summary

Each of the projects dealt with the delivery of the right information, in the right form to the user of the system. Users were both NWS forecasters and operational decision makers.

