

MDSS Stakeholder Meeting #10 Overview & Objectives

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The MDSS Project

- 33% of the attendees today are participating in a MDSS stakeholder meeting for the 1st time
- MDSS began in 1999 out of a study of weather and rural highways. It was recognized that there was a disconnect between road weather forecasts, and the decisions made by the maintenance community.



The MDSS Project

- The **objective** is to bring the weather and transportation communities together to define and develop a system that translates current and predicted road & weather information into recommended maintenance actions
- The **goal** is to improve the productivity and cost efficiency of transportation agencies which translates into improved mobility and safety on the nation's roads



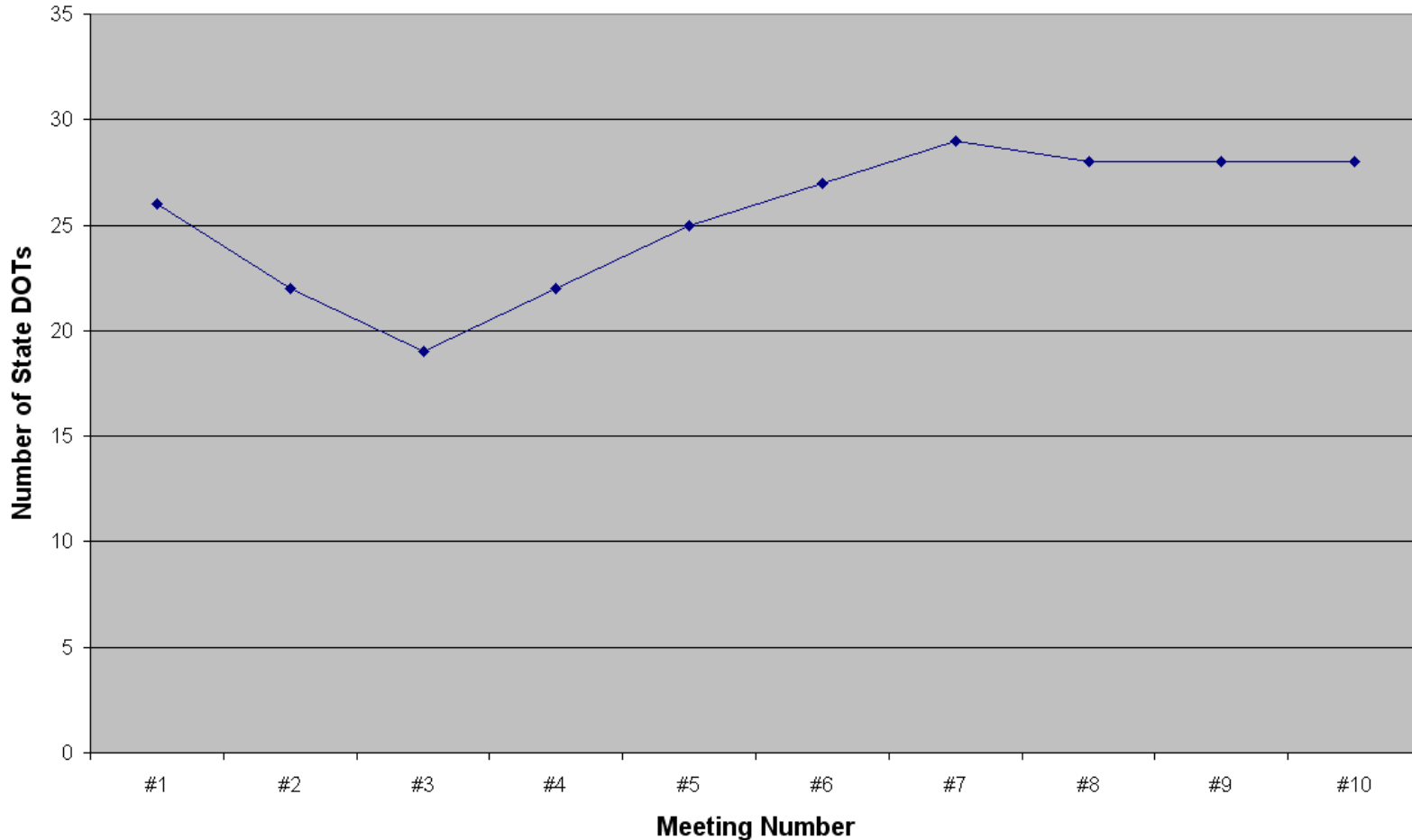
The MDSS Project

- The development strategy was unique in that we built a prototype based on open system principles, and fostered an MDSS market by making that prototype freely available
- A consortium of 5 national laboratories collaborated to develop the MDSS federal prototype
- All of the engineering documents, field test results and source code can be obtained at the NCAR web site:
www.rap.ucar.edu/projects/rdwx_mdss/



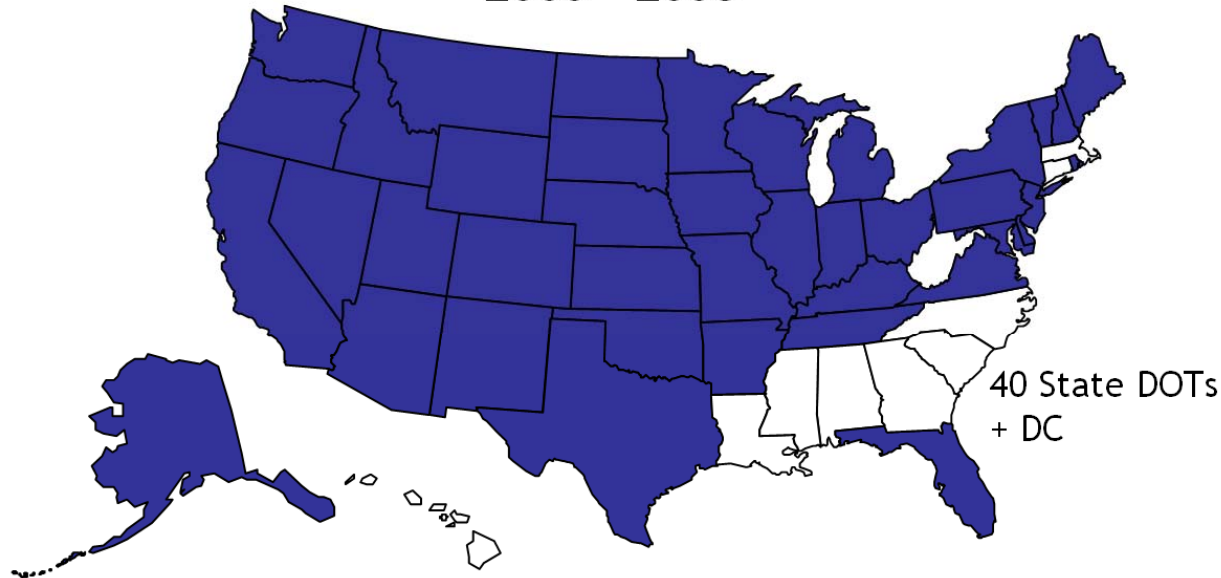
State DOT Participation

Number of State DOTs Participating in MDSS Meetings

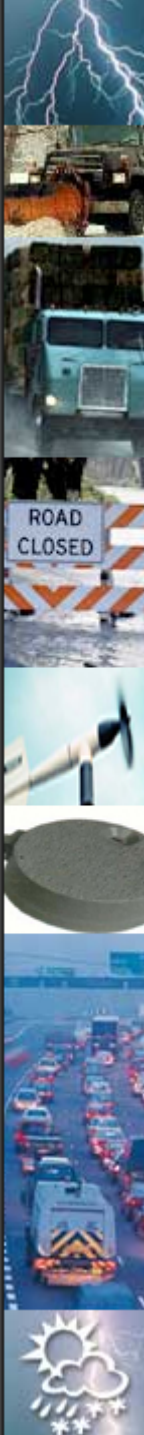


Stakeholder Participation

State DOT Participation in Maintenance Decision Support System (MDSS) 2000 - 2008



<u>U.S. & Int'l Stakeholders who participated in Annual Meetings</u>	
Ontario Ministry of Transportation	City/County of Denver, CO
Environment Canada	New York State Thruway Authority
City of Grand Prairie, TX	Austrian Road Authority
Dallas Area Rapid Transit	E-470 Highway Authority Colorado
City of Virginia Beach, VA DPW	McHenry County, IL Division of Transp



Private Sector Attendees

- Boschung Mechatronic
- DTN/Meteorlogix
- IWAPI, Inc.
- Meridian Environmental Technology
- Quixote Transportation Technologies
- Vaisala, Inc.
- WSI Corporation

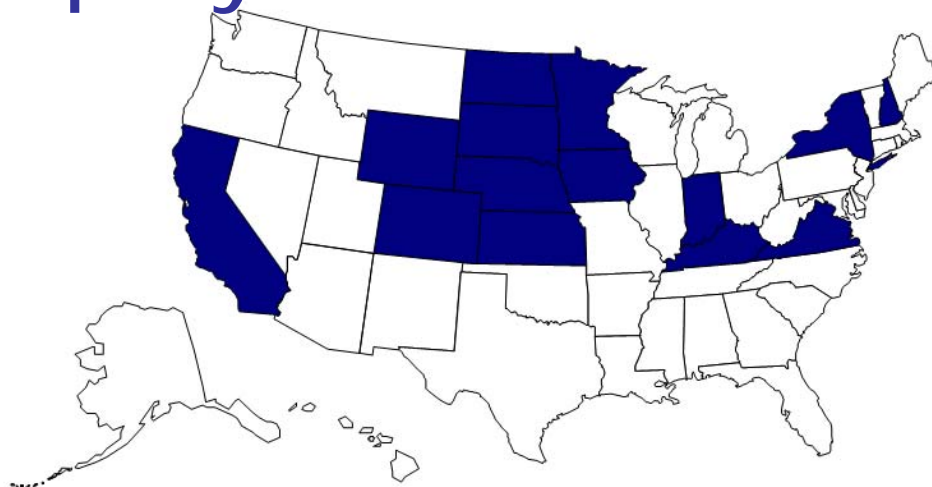


Academic Sector & Int'l Attendees

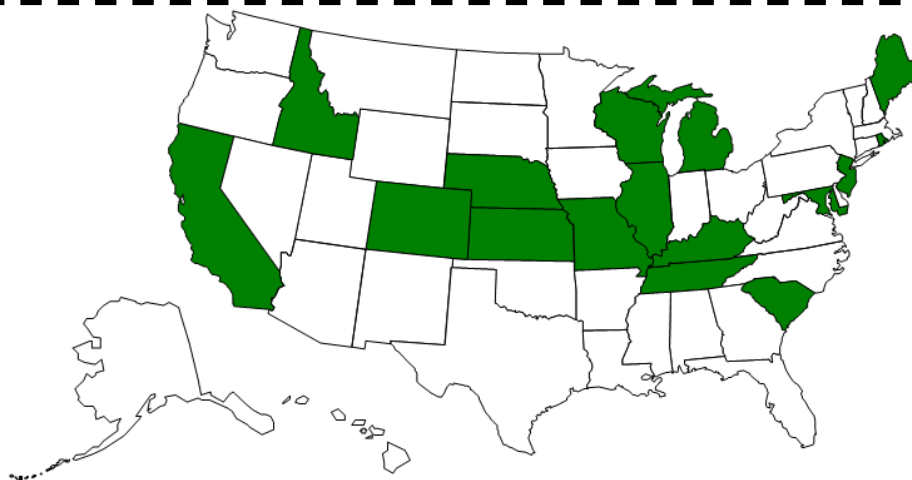
- National Center for Atmospheric Research
- New Jersey Institute of Technology
- Ontario Ministry of Transportation



MDSS Deployments



Pooled Fund Deployment (Meridian Environmental Technology)



DTN/Meteorlogix (WeatherSentry subscribers with MDSS Winter Pavement Treatment Recommendations)



Meeting Objectives

- Update stakeholders on the program
 - Provide updates on development & deployment activities of the different systems
 - Discuss the importance of Cost/Benefit Analyses
 - Capture experiences from last winter
- Share your experiences
 - In nearly all sessions, time has been provided for interaction. Please participate!
 - A survey will be conducted after the meeting. Details provided via email.



Session Topics

- Session 2: Status of public MDSS activities
 - Federal prototype & Pooled Fund updates
- Session 3: In-depth discussion of Cost/Benefit Analyses
 - Updates on current analyses
- Session 4: Users' experiences and topical discussion on MDSS
 - Everything is on the table!



Session Topics

- Session 5: Outreach
 - New MDSS Deployment Guide
 - Product Demonstration Showcases
 - AASHTO TIG
 - Expanding functionality beyond snow & ice
- Session 6: Private Sector Forum
 - A showcase for new and innovative technologies related to MDSS and winter maintenance

