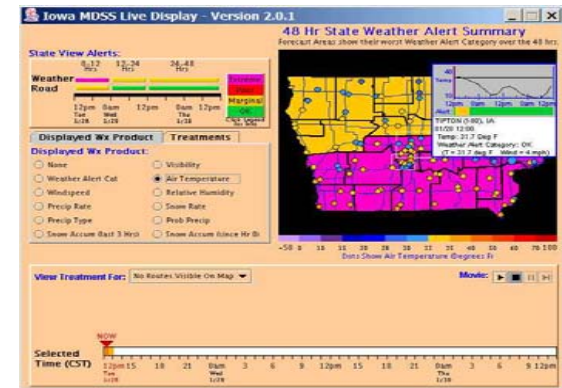


Welcome to the Maintenance Decision Support System Stakeholder Meeting – 2003 Des Moines, Iowa



Sponsored by:



Local Host:



The Iowa Division of the Federal Highway Administration
welcomes everyone to the
2003 MDSS Stakeholder Meeting.

Jim Brachtel

ITS/Design & Traffic Operations Engineer



A special congratulations to **Phil Barnes**, the new
Administrator for the FHWA Iowa District Office





Iowa Department
of Transportation

The Iowa Department of Transportation welcomes
you to Iowa and the city of Des Moines

John Adam, P.E.

Director, Highway Division, Statewide Operations Bureau
Iowa Department of Transportation





Paul Pisano, Team Leader
Road Weather Management Program
Federal Highway Administration

Federal sponsor of the Maintenance Decision Support System project

FHWA
Road
Weather
Management



Goals for the 2003 MDSS Stakeholder Meeting

1. Report on the results of the **MDSS Field Demonstration** that took place in the Des Moines/Ames area last winter
2. Discuss potential **next steps** for the MDSS project
3. Promote **technology transfer** to the states via the private sector
4. Provide an **open forum** to share experiences. The stakeholder process works best when you participate. Any time that you have a comment or question, let us know!



Goals of the MDSS Project

The Big Picture:

- **Visibility:** Foster an environment that focuses cutting edge research on surface transportation weather issues
- **Leverage:** Bring together scientific expertise from many national resources and utilize prior investments
- **Tech Transfer:** Cultivate new relationships with private sector partners who will be able to take the research and integrate these new technologies into their product lines



Goals of the MDSS Project

For State Departments of Transportation, the goal is to provide:

- **Better road-specific forecasts**
- **A higher level-of-service on roadways**
- **A cost savings from reduced use of chemicals and manpower**
- **Less impact on the environment**

What Does **Success** Look Like?

The FHWA measures success against gains in **safety**, **mobility** and **productivity**.

Success in the MDSS project can be summarized by these series of milestones:

- #1 MDSS Modules become mature enough for VAMS to **integrate** them and states to **invest** in them
- #2 Further research and module development could be accomplished through **partnering/cost sharing** (e.g. pooled-fund arrangements)
- #3 Use MDSS core technologies to begin to **solve problems** in other areas of transportation (e.g. TM/EM)

Organization of the Stakeholder Meeting

- Similar topics are grouped into sessions (see your agenda)
- **Day 1 – Tuesday**
 - **Session 1** - Welcome and Opening Remarks
 - **Session 2** - MDSS System and Demonstration Overview
Mid Morning Break – Light Refreshments Served
 - **Session 3** - Demonstration Statistics and Lessons Learned
 - **Session 4** - Lessons Learned and User Perspectives
Mid Afternoon Break – Light Refreshments Served
 - **Session 5** - Additional MDSS Issues
 - **Session 6a** - Non-Federal Decision Support Systems (Part 1)
- **Day 2 – Wednesday**
 - **Session 6b** - Non-Federal Decision Support Systems (Part 2)
Mid Morning Break – Light Refreshments Served
 - **Session 7** - MDSS: Where do we go from here?

All presentations will be available on the NCAR MDSS site within 2 weeks at http://www.rap.ucar.edu/projects/rdwx_mdss/index.html

Meeting Reminders

For State DOT Personnel (eligible for reimbursement):

- You do NOT need receipts for your food expenses. That will be covered under your per diem allowance.
- The daily per diem allowance will be reduced because breakfast is included with your room.
- The hotel provides a 'Manager's Reception' with free food and drinks for guests. Per diem will not be reduced if you choose to eat there.
- You must have and present **original receipts** for all other expenses per your signed "terms of agreement" form.

For the General Stakeholder Group:

- Light Refreshments will be served during all breaks.
- Meals are not organized and will be on your own. A listing of area restaurants will be provided as we approach the lunch break.
- We plan on adjourning at noon on Wednesday. However, some of the most important work in this meeting will take place during the late morning on Wednesday.

MDSS Stakeholders from Canada

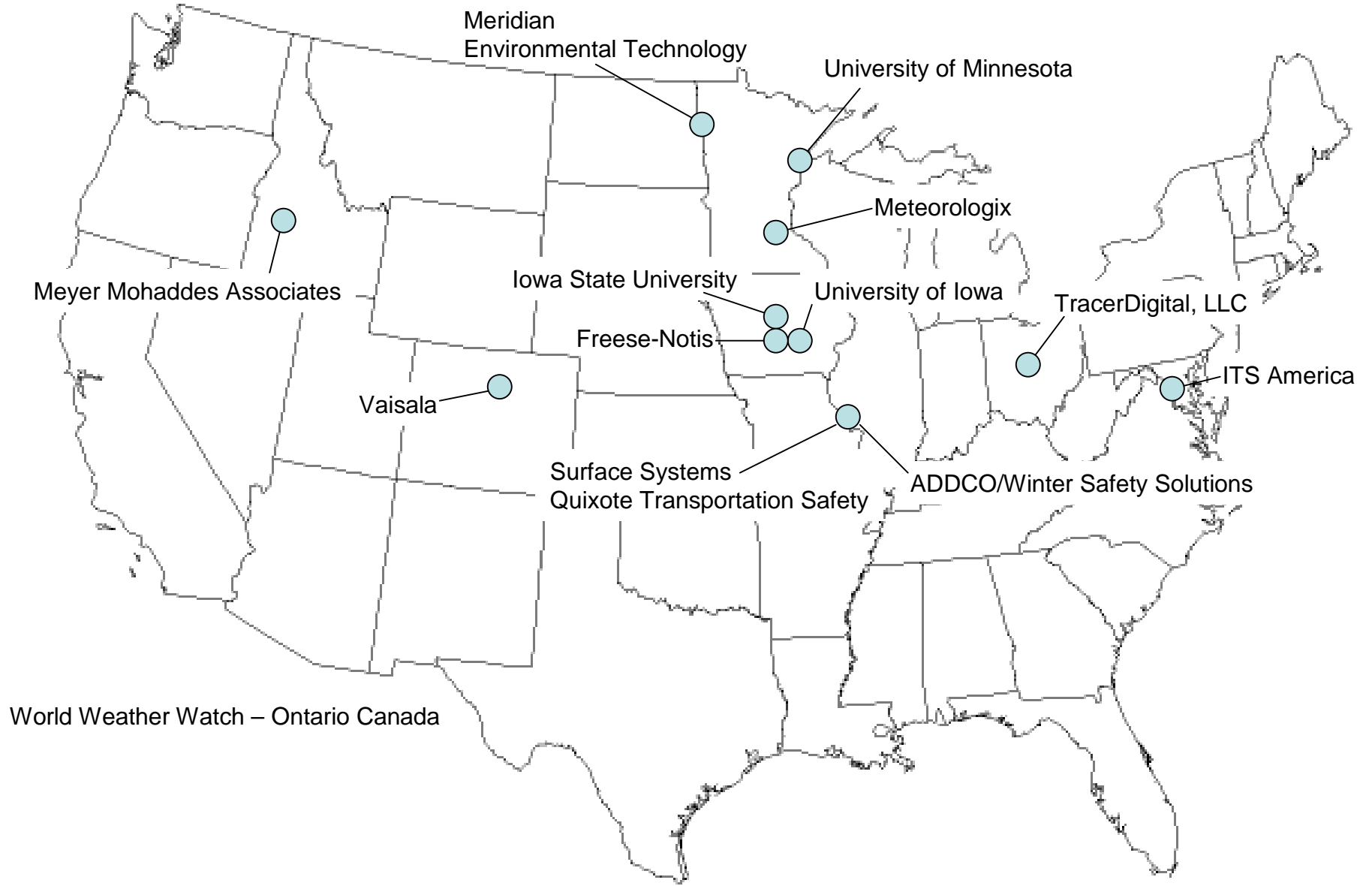
2002 - 2003

Name of Organization	Province
AMEC Earth and Environmental	Newfoundland
Environment Canada	Quebec
Ontario Ministry of Transportation	Ontario
Meteorological Service of Canada	Quebec
Transport Quebec	Quebec
World Weather Watch	Ontario
New Brunswick Dept of Transportation	New Brunswick

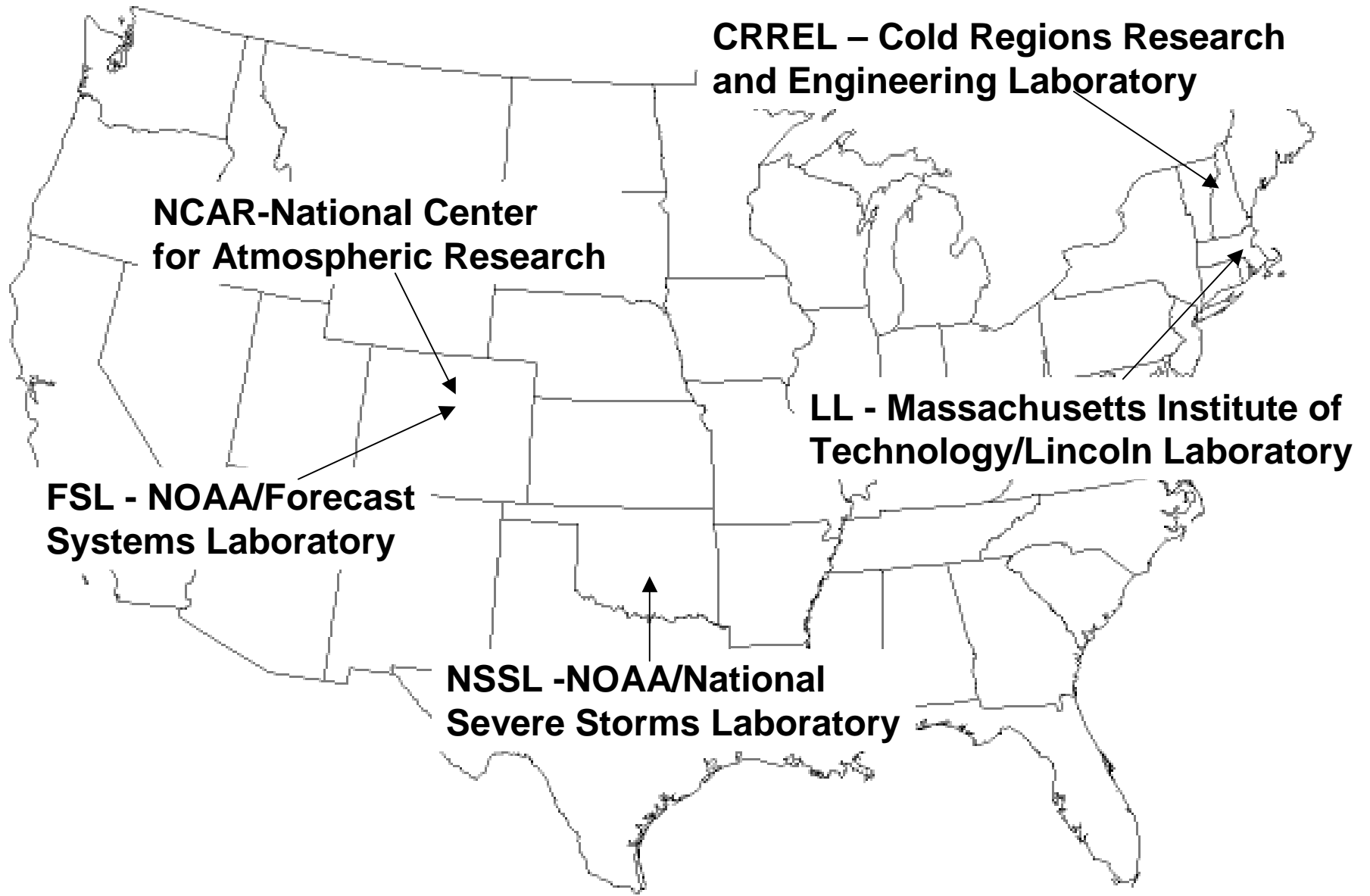


2003 Canadian Stakeholders
Meteorological Service of Canada-Ontario
World Weather Watch-Ontario

2003 Private/Academic Sector Stakeholders



MDSS National Laboratory Contributors

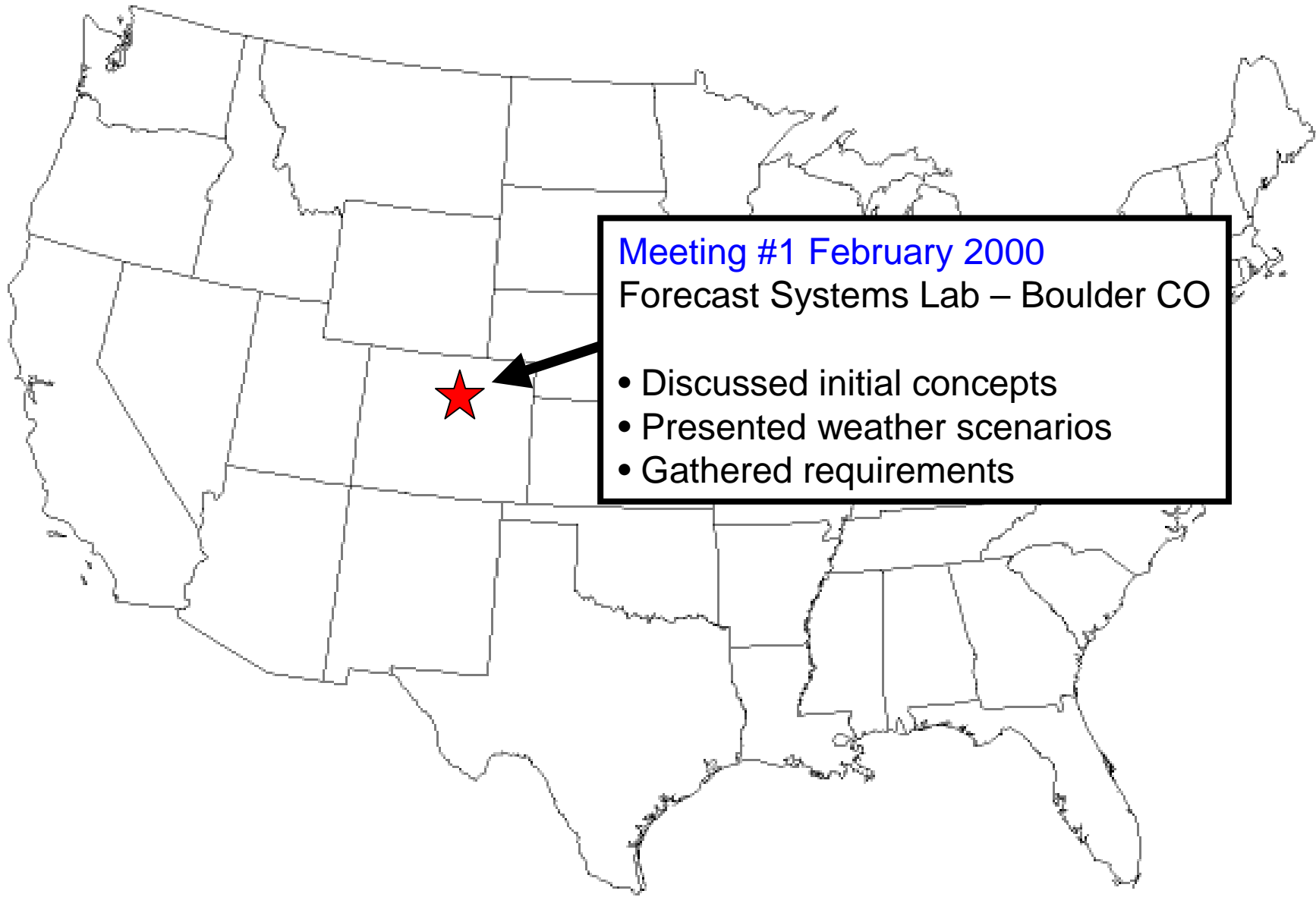


Historical Perspectives of the MDSS Project

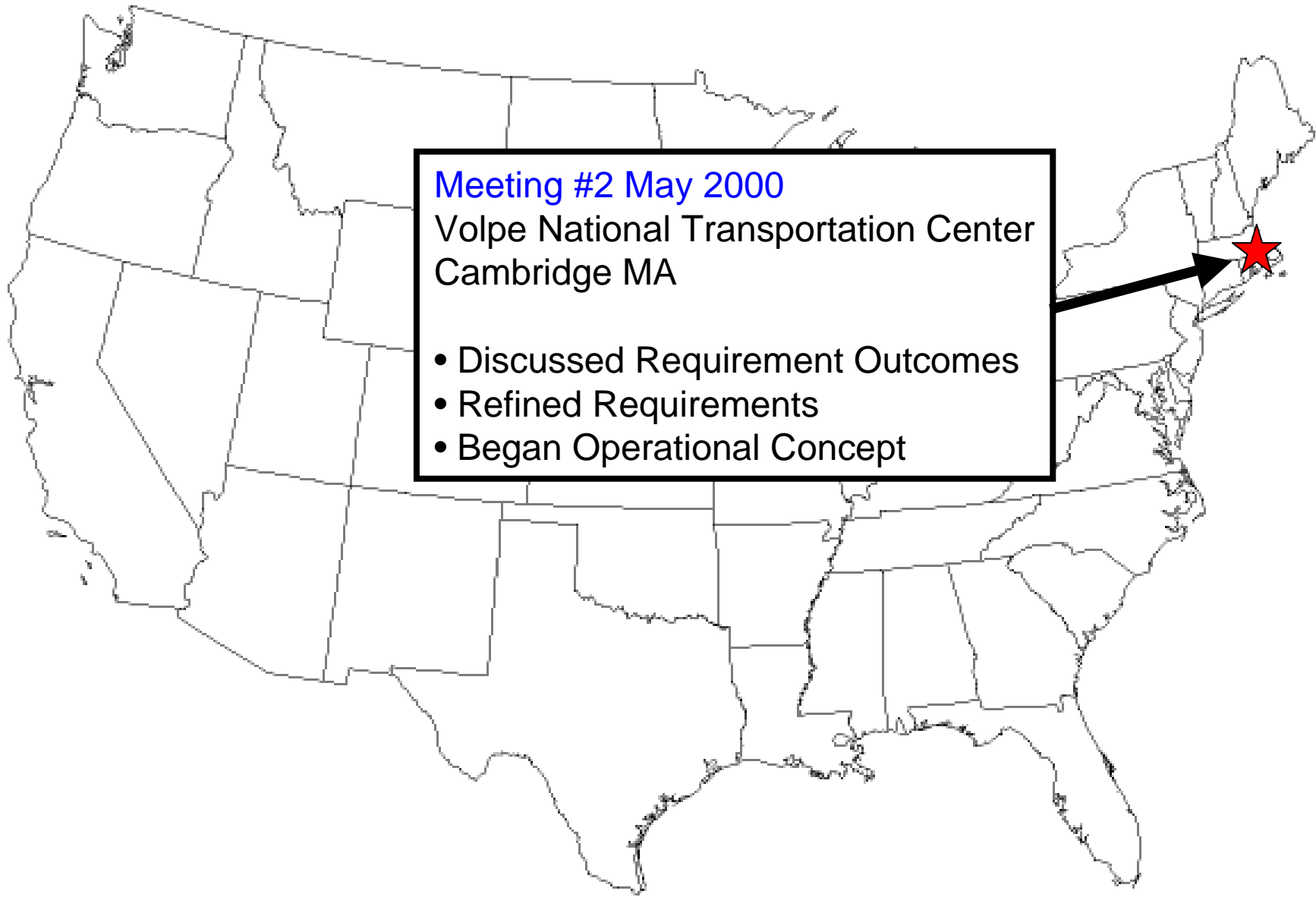
- The MDSS began in 1999 with the STWDSR project (Surface Transportation Weather Decision Support Requirements)
- The goal of STWDSR was to provide background to stakeholders to gather requirements for the WIST-DSS (Weather Information for Surface Transportation – Decision Support System)
- The WIST-DSS matured and became known as the MDSS (Maintenance Decision Support System)
- Since 2000, the FHWA has sponsored five stakeholder meetings



Stakeholder Meetings – Historical Perspective



Stakeholder Meetings – Historical Perspective

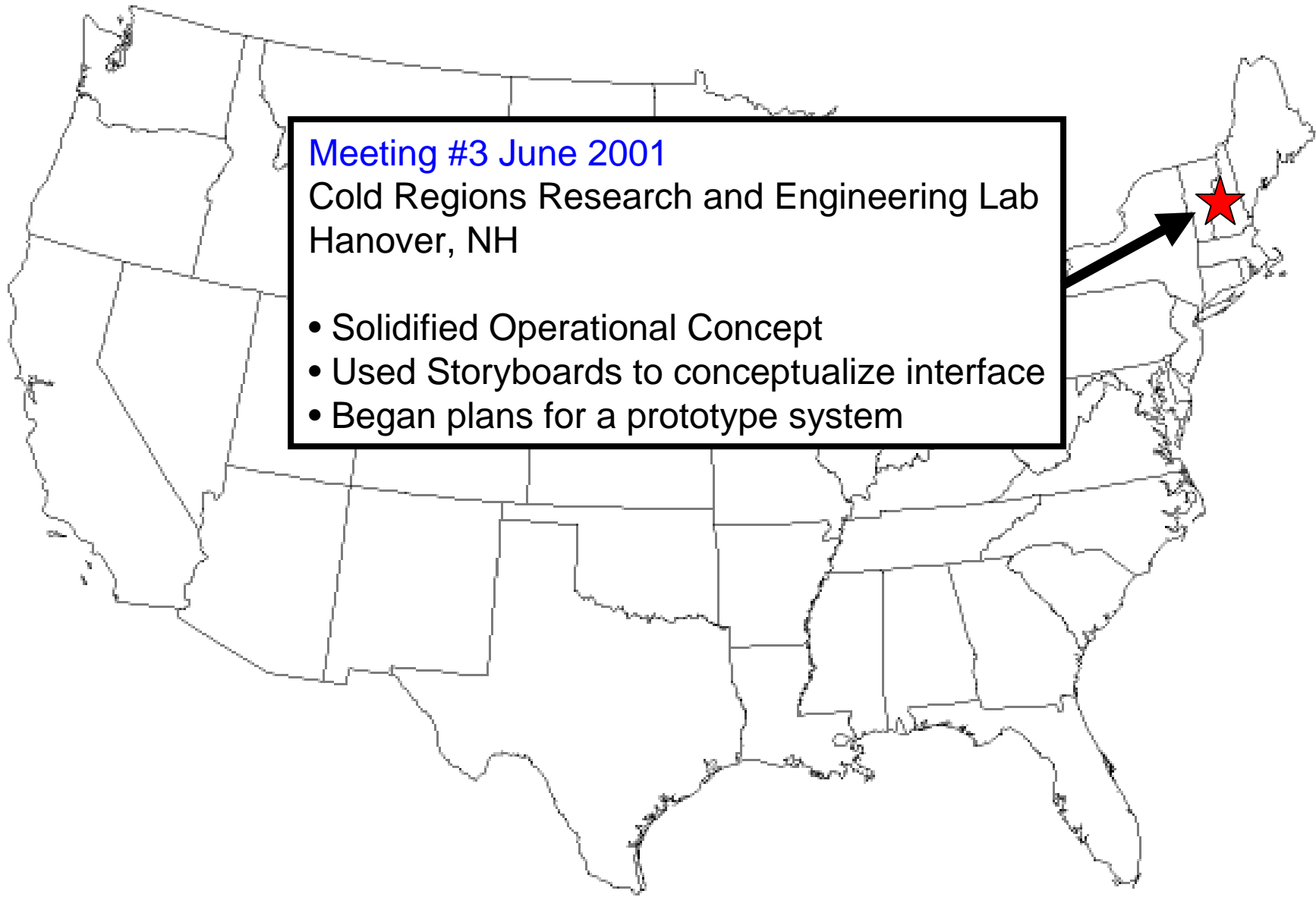


Meeting #2 May 2000

Volpe National Transportation Center
Cambridge MA

- Discussed Requirement Outcomes
- Refined Requirements
- Began Operational Concept

Stakeholder Meetings – Historical Perspective

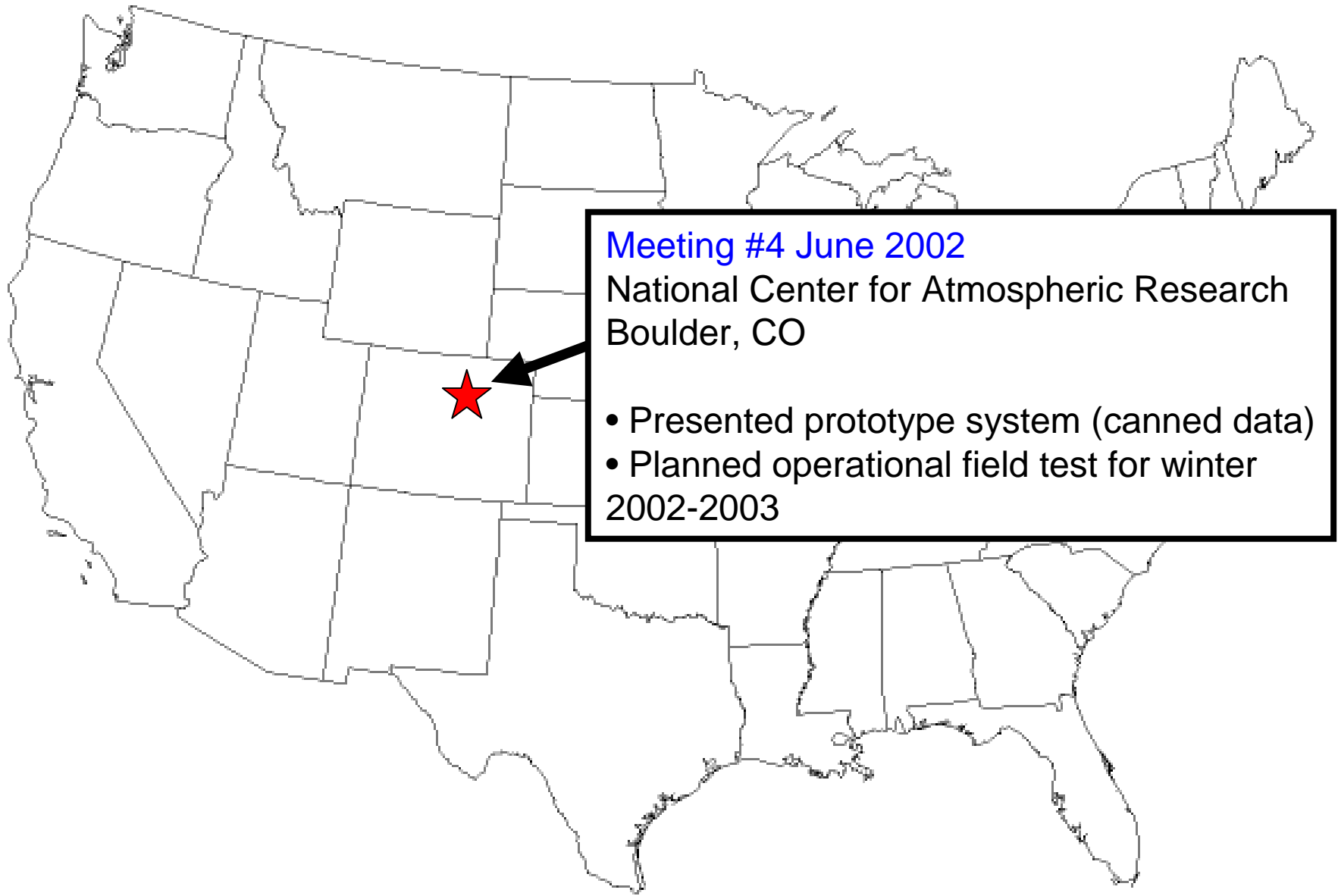


Meeting #3 June 2001

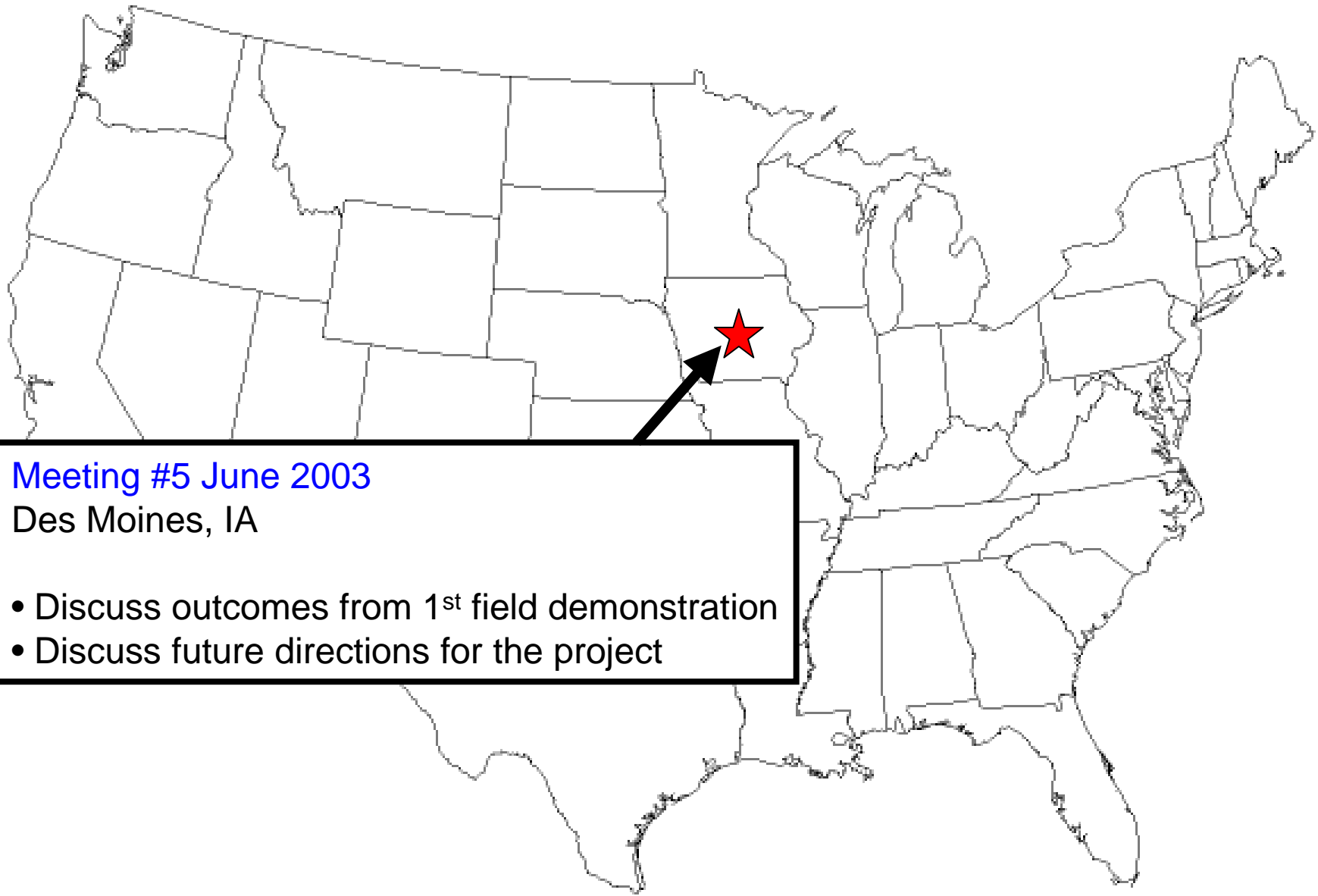
Cold Regions Research and Engineering Lab
Hanover, NH

- Solidified Operational Concept
- Used Storyboards to conceptualize interface
- Began plans for a prototype system

Stakeholder Meetings – Historical Perspective



Stakeholder Meetings – Historical Perspective



Meeting #5 June 2003

Des Moines, IA

- Discuss outcomes from 1st field demonstration
- Discuss future directions for the project

Thank You for your Participation!

This project would not be possible without all of you, the stakeholders.

At any time during the upcoming day and a half, if you don't understand something – speak up!

A draft list of attendees has been made available. A final list will be sent out via email after the meeting has concluded.

All presentations will be made available for download on the NCAR MDSS web site at within 2 weeks at:

http://www.rap.ucar.edu/projects/rdwx_mdss/index.html

Additional Comments? Contact Paul Pisano at

Paul.Pisano@fhwa.dot.gov

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