

Clarus Transition Plans FHWA to NOAA

Paul Pisano, Team Leader, Road Weather Management
Federal Highway Administration HQ, Washington DC

Jim O'Sullivan, NOAA Surface Program Manager
National Weather Service HQ, Silver Spring MD

August 4, 2008 - Reno, NV

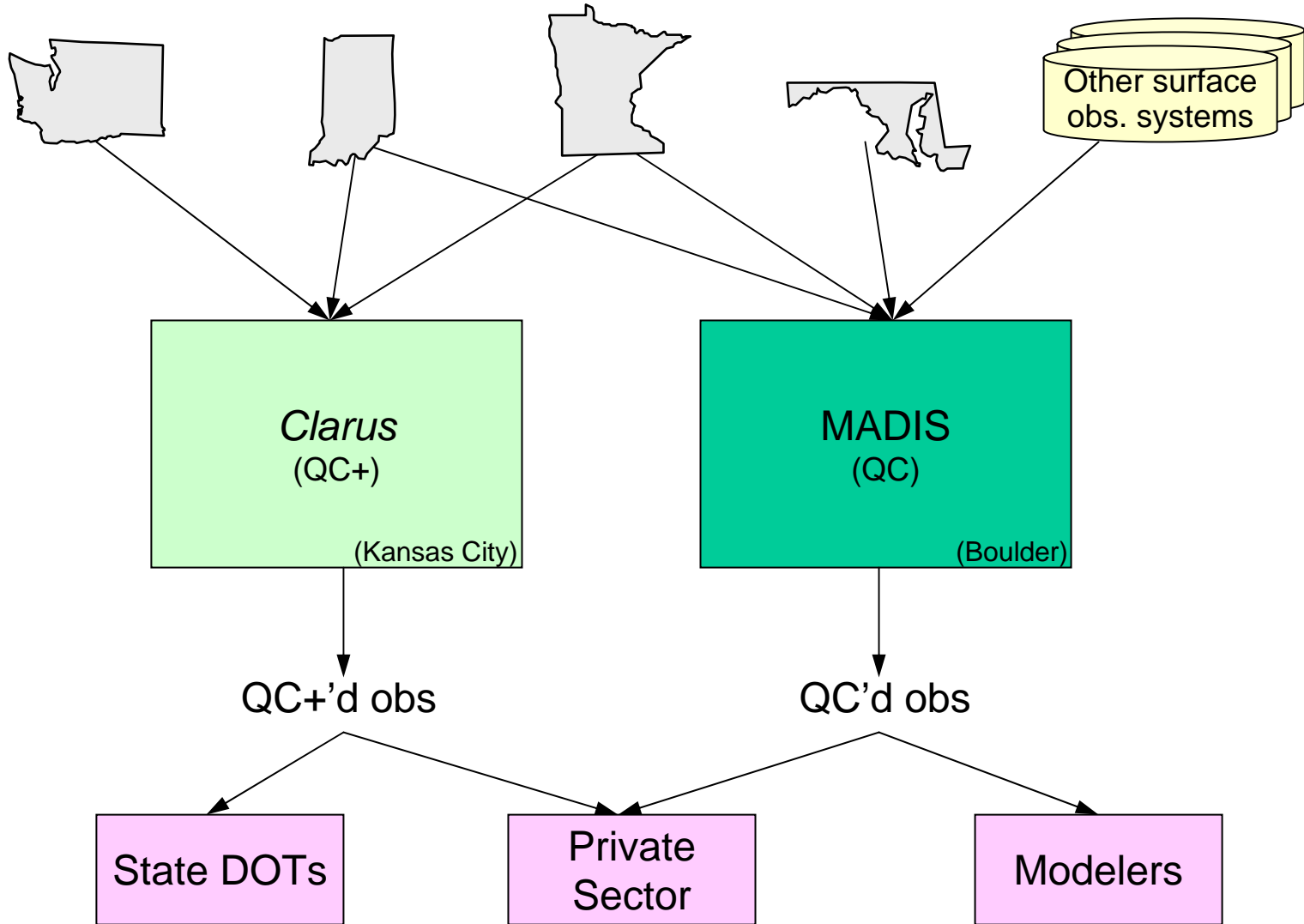
6th Clarus ICC Meeting

Contact: Paul.Pisano@dot.gov, 202-366-1301

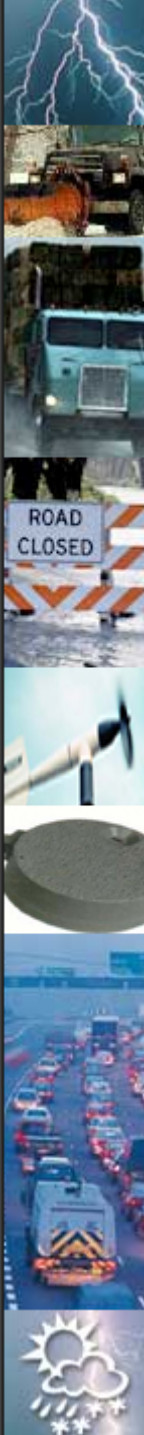
Jim.OSullivan@noaa.gov, 301-713-1792 x 121



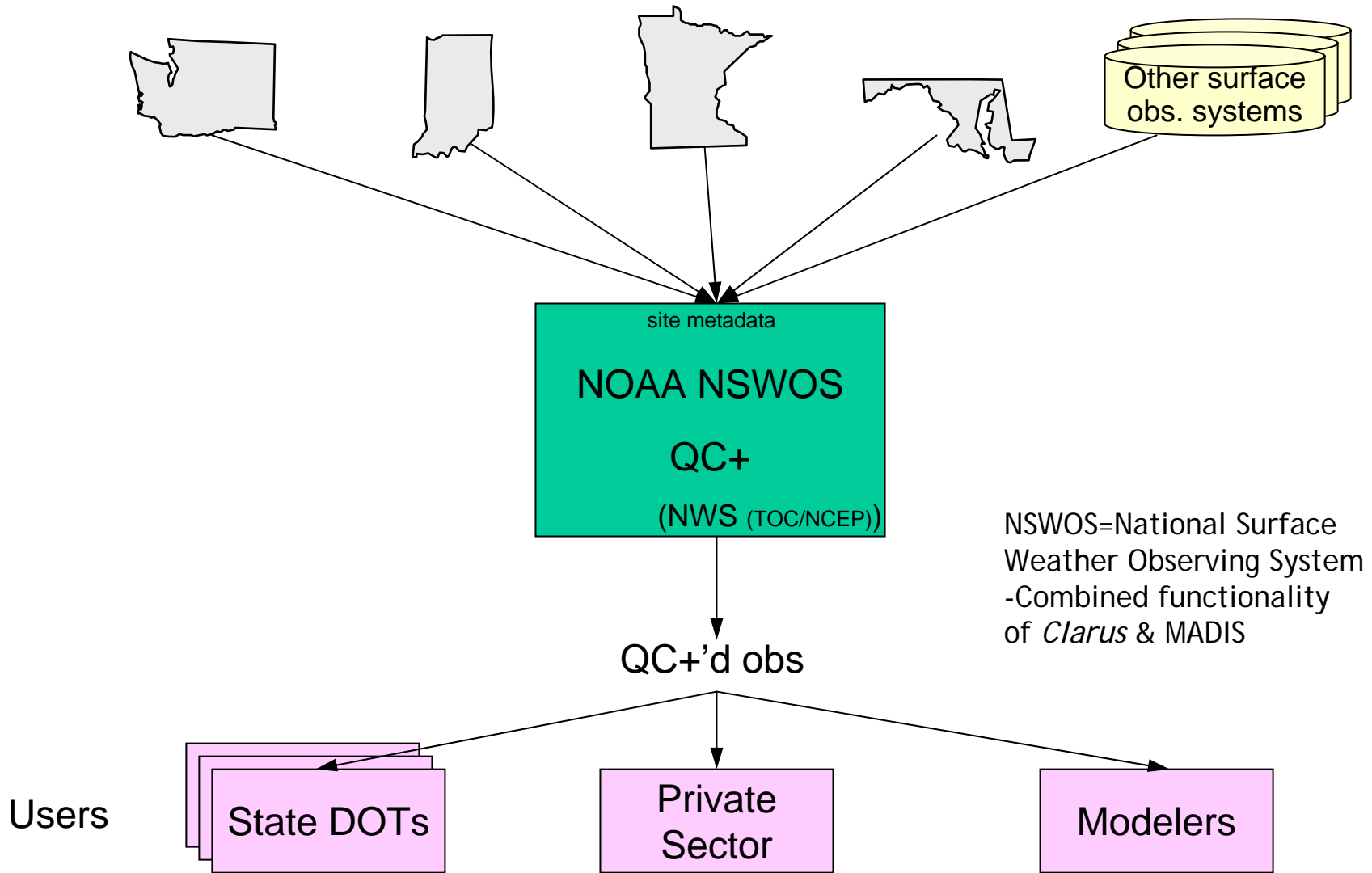
ESS Processing Today



Users



Systems' Convergence



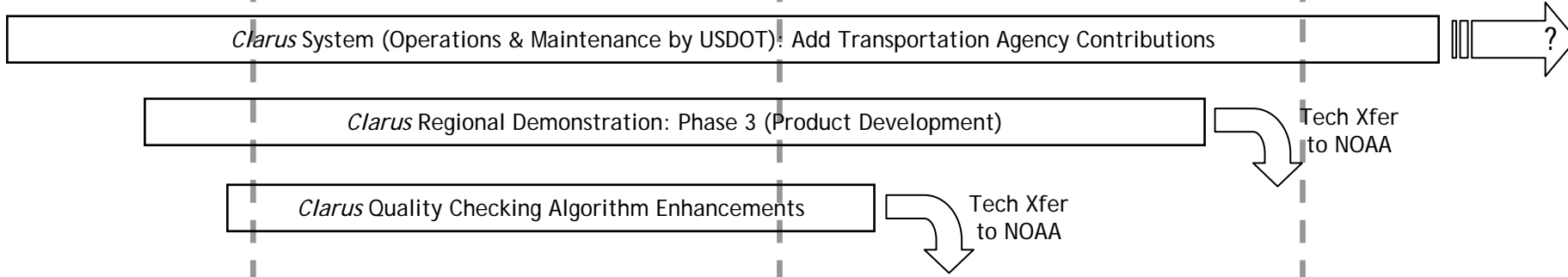


The Path from Today to Success

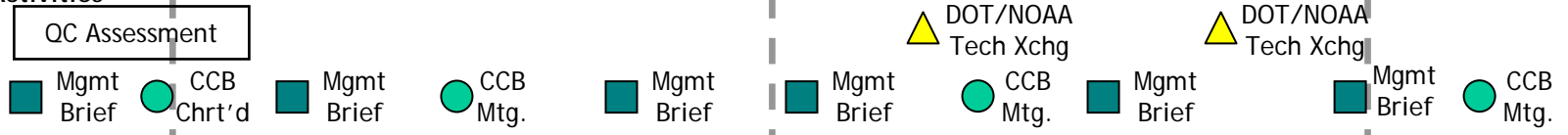
USDOT/NOAA Partnership toward Deploying NSWOS



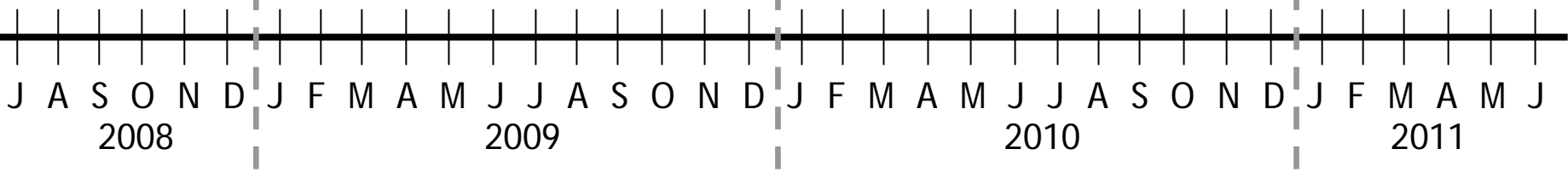
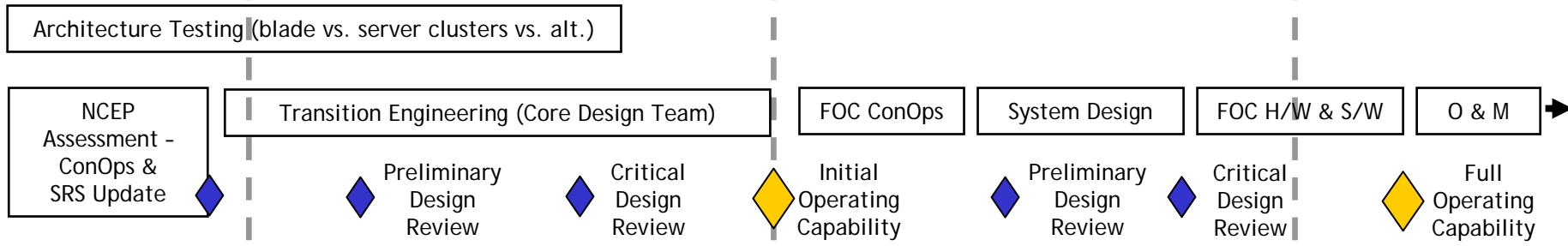
USDOT Activities

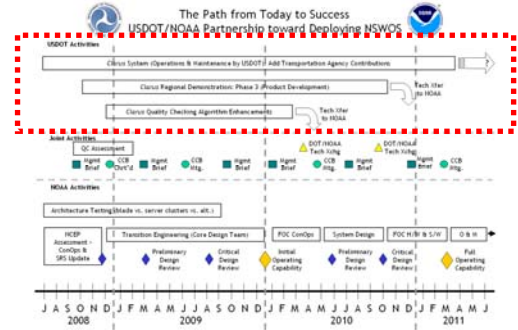


Joint Activities



NOAA Activities



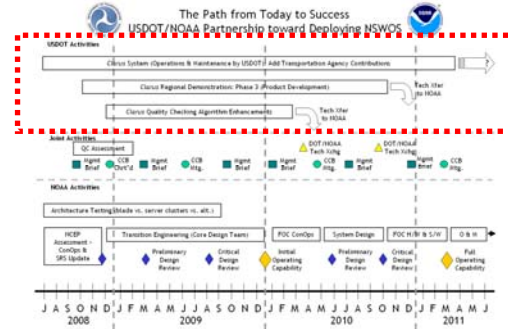


USDOT Activities

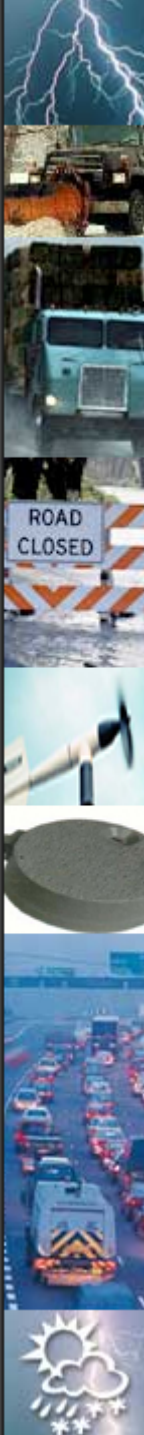
- Conduct *Clarus* Regional Demonstrations
 - Continue Connection Incentive Program to connect 10 more agencies
 - Announce Phase 3 Demonstration and Evaluation award(s) around Oct 1. Demonstration will extend 2 years
 - Lessons learned from the Demonstrations and Evaluation will be integrated into transition plans with NOAA

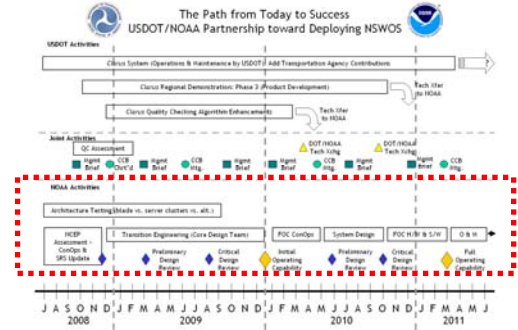


USDOT Activities



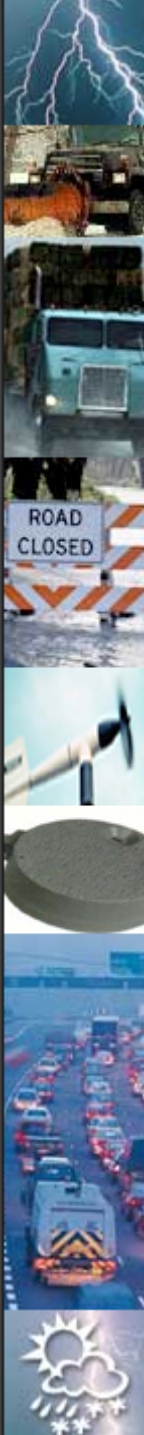
- *Clarus* System Enhancements
 - Upgrade communications bandwidth
 - Upgrade Web portal GUI
- Next Generation Quality Checking Algorithms
 - Upgrade several existing algorithms (e.g., sea level pressure, climate range test, spatial analysis, etc)
 - Add new data sources for algorithms (e.g., AWOS, radar, model fields)
 - Add several new algorithms (e.g., precipitation, new pavement and subsurface tests)
 - Rebalance system resources (comms/processing)
 - Integrate new algorithms into transition



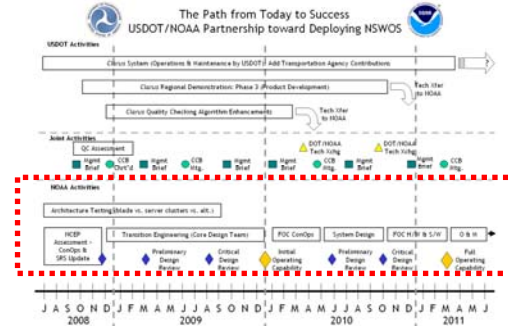


NOAA Activities

- Continue to test system architectures which will support NSWOS and other user requirements (e.g., hydro, climate)
- Update the transition ConOps and System Requirements Specifications
 - Requirement(s) of system to collect ESS data to support warning & forecast operations already exist
- Preliminary and critical design reviews
- IT Security documentation



NWS Initial Operating Capability (IOC)



- ConOps for full operations (FOC)
 - Includes permanent backup facilities
- CCB to examine improvements and additional capabilities
- Additional observation networks added
- Hardware/software upgrades
- Preliminary and critical design reviews
- IT Security documentation



Contact Information

- Paul Pisano
 - Team Leader, Road Weather Management
 - Federal Highway Administration HQ
 - Paul.Pisano@dot.gov, 202-366-1301

- Jim O'Sullivan
 - NOAA Surface Program Manager
 - National Weather Service HQ
 - Jim.OSullivan@noaa.gov, 301-713-1792 x121

