



2014 AERIS Workshop: Moving Toward Deployment

Washington, D.C.

October 22, 2014

Opening Remarks and Introduction

Marcia Pincus, ITS-JPO



Workshop Purpose

1. **INFORM** stakeholders on the potential fuel use and emissions reduction benefits that may be achieved from deploying connected vehicle applications
2. **SHARE** information about real-world environmental projects currently deployed and research activities underway targeted at reducing transportation's negative impact on the environment
3. **ENGAGE** the adopter community in discussion of environmental connected vehicle applications that may be good candidates for near-term deployment





AERIS Team and Support Team

- Marcia Pincus, ITS JPO
- Robert Ferlis, FHWA
- Peter Huang, FHWA
- Osman Altan, FHWA
- William Wiggins, FTA
- AERIS Support Team
 - Volpe
 - ITS America, Technical Support
 - Noblis, Technical Support Team
 - Booz Allen Hamilton, Modeling Team
 - Leidos, GlidePath Project Team



Meeting Guidelines and Housekeeping

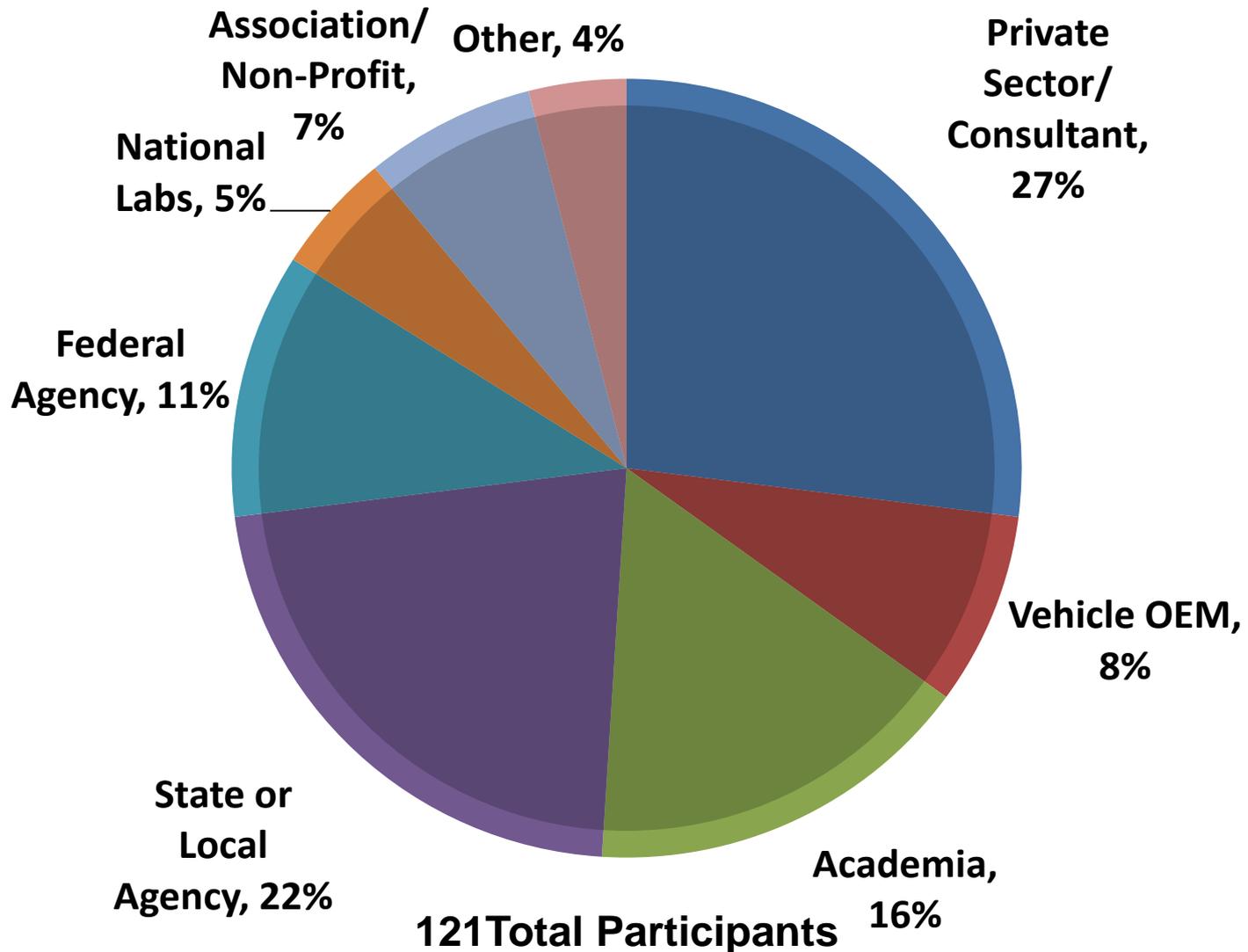
- Cell Phones
 - Please set your cell phones to vibrate or turn them off

- Webinar Participants
 - Your input and questions are important to the AERIS Team
 - Please type your questions/feedback using the webinar tool
 - A dedicated on-site person has been assigned to bring your questions/comments to the group
 - Questions will be addressed periodically throughout the workshop
 - Comments entered in the chat box will be collected for future use by the AERIS Team

- In-Person Attendees
 - When asking questions or providing comments, please speak into a microphone so that the webinar participants can hear you



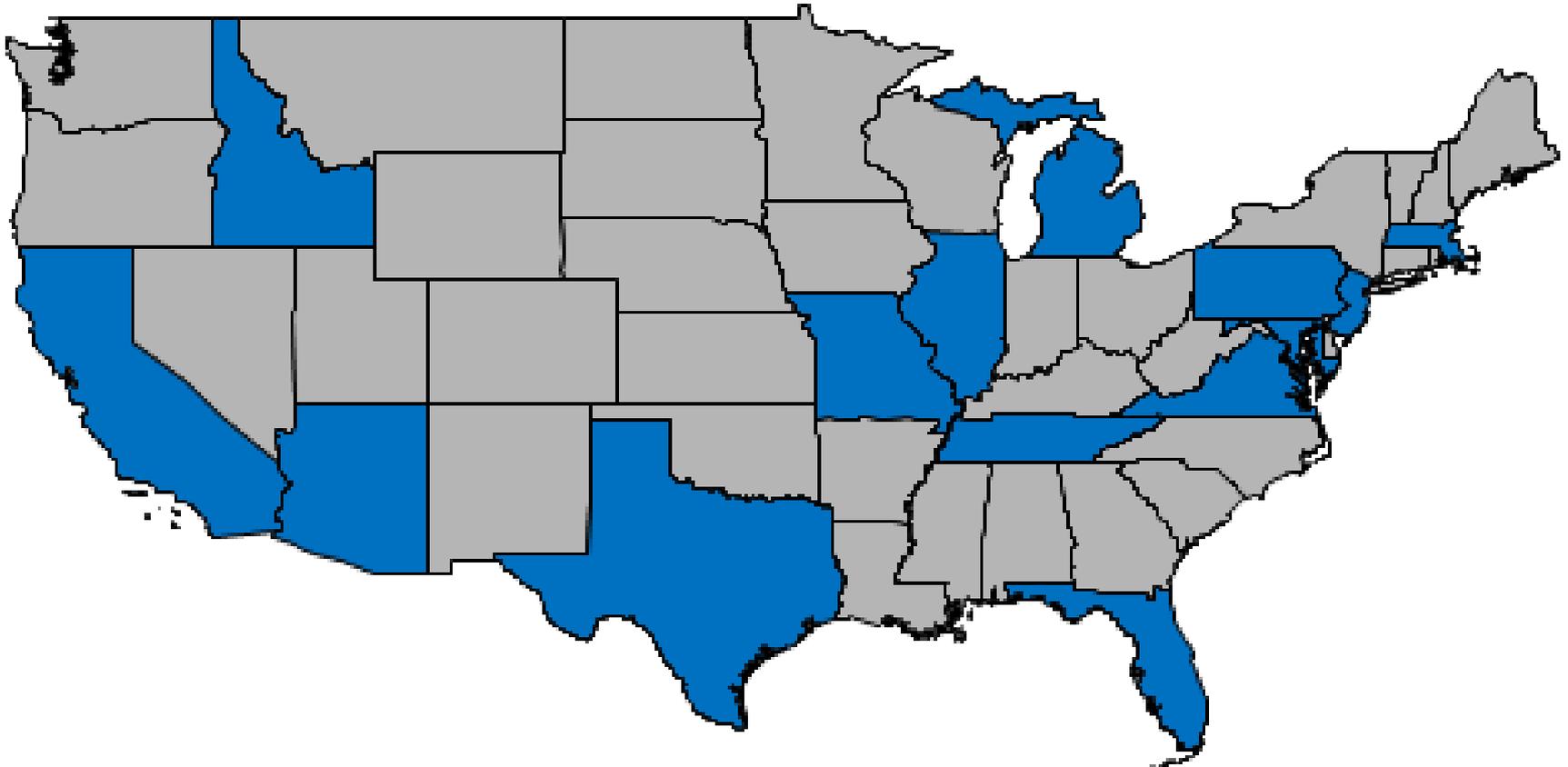
Who Is Here?



121 Total Participants
54 attending in-person
67 participating on webinar



Who Is Here?



Workshop Agenda

Session	Title/Speaker	Time
1	Opening Remarks and Introduction to the Workshop Marcia Pincus, ITS JPO	9:00 am – 9:10 am
2	CV Pilots and Opportunities for Environmental Applications <ul style="list-style-type: none">• Overview of the USDOT's Connected Vehicle Pilots Carl Andersen, FHWA• Regional Unified Model Architecture Walt Fehr, ITS JPO• Opportunities for Environmental Applications for Near-Term Deployments Marcia Pincus, ITS JPO• Questions and Answers	9:10 am – 10:15 am
3	Environmental Benefits from AERIS Modeling Sean Fitzgerald, Booz Allen Hamilton <ul style="list-style-type: none">• Eco-Signal Operations• Eco-Lanes• Low Emissions Zones	10:15 am – 11:00 am
4	Break	11:00 am – 11:15 am



Workshop Agenda *cont'd*

Session	Title/Speaker	Time
5	Real-World Environmental Applications <ul style="list-style-type: none">• Tour of the World: Environmental Applications J.D. Schneeberger, Noblis• FHWA's GlidePath Project Osman Altan, FHWA• Sharing Traffic Signal Timing with Vehicles: A Non-DSRC Survey Anthony Shaw, ITS America	11:15 am – 12:00 am
6	Lunch	12:00 pm – 1:00 pm
7	Real-World Environmental Activities: Panel Session <ul style="list-style-type: none">• Matt Lesh, Federal Transit Administration (FTA)• Stephen Smith, Carnegie Mellon• Matt Barth, UC Riverside• Hesham Rakha, Virginia Tech• Adam Cohen, UC Berkeley• Jacob Ward, Department of Energy (DOE)	1:00 pm – 2:45 pm



Workshop Agenda *cont'd*

Session	Title/Speaker	Time
8	Open Discussion	2:45 pm – 3:00 pm
9	Break-out Sessions Brainstorming Candidate Connected Vehicle Environmental Applications	3:00 pm – 4:15 pm
10	Break	4:15 pm – 4:30 pm
11	Key Takeaways from Break-out Sessions	4:30 pm – 4:50 pm
12	Wrap-up and Closing Remarks Marcia Pincus, ITS JPO	4:50 pm – 5:00 pm



Notecards: Environmental Challenges

- What are the biggest environmental problems/challenges directly impacting you (or your jurisdiction) that connected vehicle technologies can solve?
 - List up to 3 problems/challenges
 - Your name is not required
 - Submit your notecards at the registration desk before lunch
 - Webinar participants may enter their responses into the chat box (Begin entry with “**CHALLENGE:**”)
 - Inputs will be consolidated and used to facilitate discussion during the afternoon break-out sessions helping to identify near-term applications that can address the challenges

