

# Transportation and Air Quality Resources Available from FHWA

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**FHWA Resource Center in Baltimore**

**February 26, 2013**

## Introduction

- Training Courses
  - Formalized course developed by FHWA Resource Center
- Technical Assistance
  - Customized training and assistance
- Webinars and Web conferences
  - Less formal, topics can cover frequently asked questions
- Websites
  - Source of reference material
- Conferences

## Introduction

- **Technical Material**
  - Generally involves analysis or science relating to air quality, transportation activity
  - Technical material and courses available from FHWA Resource Center
- **Policy and Guidance Material**
  - Generally involves policy and implementation rules
  - Policy and Guidance material available from FHWA Headquarters

## Introduction

- **Sources of training and information from FHWA**
  - FHWA Resource Center
  - FHWA Headquarters
  - FHWA National Highway Institute (NHI)
- **Sources of training and information outside of FHWA**
  - FTA/National Transit Institute (NTI)
  - EPA
  - Other organizations, private vendors

## Introduction

- Logistical Information for FHWA training
  - Courses can be delivered on-site or on-line
  - Courses can generally be scheduled quickly (within a month from request)
  - Generally number of participants can be flexible
  - No cost for FHWA Resource Center and Headquarters training
  - There is a cost for NHI training; other restrictions may apply

## Training Courses

- Training Courses (On-site, also called “instructor led” classroom training)
  - FHWA Resource Center provides a number of courses at a location desired by interested parties
  - Some courses are “standard”
  - Some courses are “tailored” to interested party’s needs (also can be treated as technical assistance)
  - New courses are developed based on need

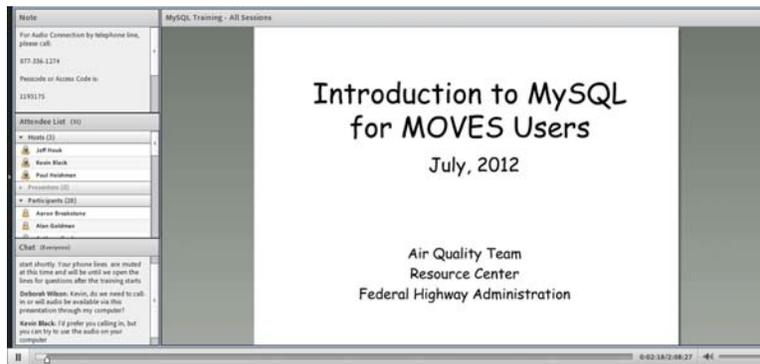
## Training Courses

- Training Courses (On-site)
  - Courses currently available include:
    - MOVES2010b (currently in cooperation with EPA)
    - MySQL
    - Transportation Air Quality Fundamentals (AQ 101)
    - Air Quality Benefit Estimation Methods for TCM Projects (CMAQ Course)
    - Transportation Air Quality Dispersion Model Workshop
    - Project Level Mobile Source Air Toxics Workshop
    - Transportation Conformity
    - Others

## Training Courses

- Training Courses (On-line, also called web conference training or WCT)
  - FHWA Resource Center also offers courses on-line if training budgets prohibit travel to training site
  - Participant can take course on-line to fit participants needs and schedule
  - May be real-time or recorded
  - Some courses currently under development
    - Demonstration of On-Line course

## Demonstration On-line Training Course



## Technical Assistance

- FHWA can provides customized assistance and training
  - MOVES modeling issues for specific geographical areas (recently for New Jersey, Connecticut and North Carolina)
  - CMAQ project comparisons (Ohio)

## Webinars and Web Conferences

- MOVES User Groups sponsored by FHWA
  - Held quarterly
  - Some may be recorded
  - See demonstration of recorded webinar
- Webinars by others (i.e. EPA)
  - [http://www.epa.gov/otag/models/moves/training\\_sessions.htm](http://www.epa.gov/otag/models/moves/training_sessions.htm)

## Demonstration Moves User Group Meeting

The screenshot shows a webinar interface with a slide titled "Development and Evaluation of a Simplified Version of MOVES for Coupling with a Traffic Simulation Model". The slide lists authors H. Christopher Frey, Bin Liu, Nagui Rouphail, Xuesong Zhou, and Hao Lei, along with their affiliations at NC State University and the University of Utah. It also mentions the presentation was for the Federal Highway Administration on February 14, 2013. The interface includes a sidebar with "Audio Information", "Attendee List", and "Chat".

**Audio Information**  
Call in Number: 888.675.2135  
Passcode: 914218

**Attendee List (4)**  
• Host (2)  
• Bob O'Laughlin  
• Kevin Black  
• Paul Robinson  
• Presentation (2)  
• Chat (1)  
• George Schene  
• Participants (3)  
• Anna Knapik, ACCOM  
• Ashley Davis  
• [Name obscured]

**Chat (Expanded)**

**Development and Evaluation of a Simplified Version of MOVES for Coupling with a Traffic Simulation Model**

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Nagui Rouphail<sup>b</sup>, Xuesong Zhou<sup>c</sup>, Hao Lei<sup>c</sup>

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North Carolina State University, Raleigh

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University of Utah

For Presentation at:  
Federal Highway Administration  
February 14, 2013

## Websites

- Training and information reference materials available from FHWA web pages
- FHWA Resource Center
  - <http://www.fhwa.dot.gov/resourcecenter/teams/airquality>
- FHWA Headquarters
  - [http://www.fhwa.dot.gov/environment/air\\_quality](http://www.fhwa.dot.gov/environment/air_quality)
- FHWA NHI
  - <http://www.nhi.fhwa.dot.gov>

## Websites

- Related Topic Areas within FHWA
  - Climate Change and Sustainability information
    - [http://www.fhwa.dot.gov/environment/climate\\_change/](http://www.fhwa.dot.gov/environment/climate_change/)
  - Travel demand and traffic simulation models
    - <http://www.fhwa.dot.gov/resourcecenter/teams/planning/index.cfm>
    - <http://www.fhwa.dot.gov/resourcecenter/teams/operations/index.cfm>

## Websites

- Transportation Model Improvement Program (TMIP)
  - <http://www.fhwa.dot.gov/planning/tmip/>

## Websites

- Related Topic Areas outside FHWA
  - Regional Air Quality Organizations such as MARAMA, NESCAUM, METRO 4-SESARM, CenSARA, LADCO, WRAP
  - Association of Metropolitan Planning Organizations (AMPO)
    - [www.ampo.org](http://www.ampo.org)
- Listserv Groups (i.e. tmiponline.org, epa-mobilenews)

## Conferences

- Yearly conferences held discussing regional air quality issues related to transportation
  - Northern Transportation and Air Quality Summit
    - Held in Philadelphia in August 2012
  - Southern Transportation and Air Quality Summit
    - This year in Atlanta in August 2013

## End Notes

- Note that the video demonstrations included in this PowerPoint presentation were “inserted” into the presentation, not “imbedded” into it. If you have a copy of these slides, the videos will not play unless you have a copy of the videos. Copies are available and can be requested but were omitted due to the size.

## Questions ???

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