

# CALPUFF

# Lakes Environmental

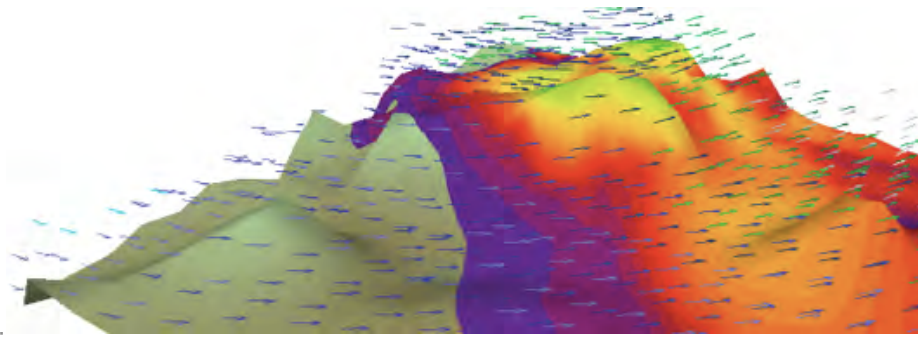
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# TRAINING



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# Course Agenda



## Three Day Training

### DAY 1

8:30am - 6:00pm

### DAY 2

8:30am - 6:00pm

### DAY 3

8:30am - 6:00pm

#### Morning

- Introductions
- Stability Class and Mixing Height
- Puff vs. Plume
- Deposition

#### Afternoon

- Screening Analysis - Met data processing
- Screening Analysis - Sources & receptors using CALPUFF & CALPOST
- Refined Analysis - Wind fields (CALMET)
- Met Processing
- Terrain Processing

#### Morning

- Review of Day 1 (Stability Class, Mixing Height, Terrain)
- Turbulence
- Another look at CALMET and RUN
- How to read/modify a wind field and what it tells you
- Wind field QA

#### Afternoon

- Basic parameters for a simple CALPUFF run
- Basic CALPUFF run (concentration only) & CALPOST basics
- Overview of 'how things get complex
- Visibility Analysis - what particulates can do
- Setting up and running a visibility analysis

#### Morning

- Review of day 2
- Review of FLAG, IWAQM, etc.
- Review visibility analysis from Day 2
- Chemical transport and transformations
- CALPUFF run with MESOPUFF II and deposition
- Plume rise & dispersion

#### Afternoon

- Completing the CALPUFF run
- CALPOST options
- Complex terrain, coastal, other unique instances
- Questions, model comparisons, etc.

# Theory & Hands-On

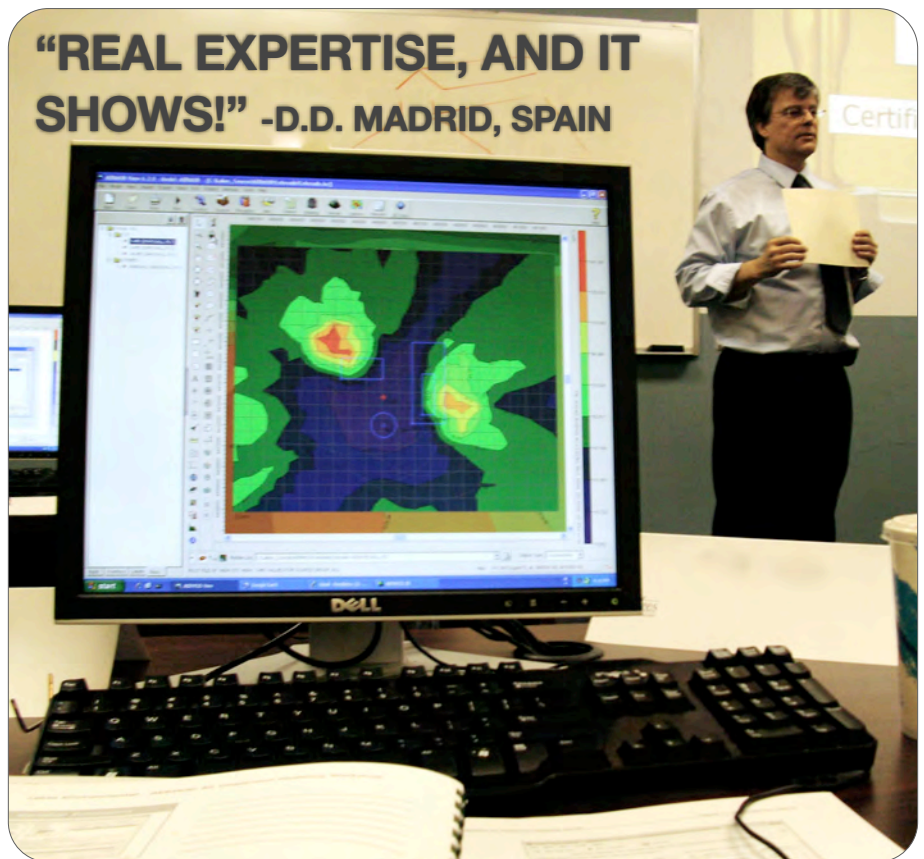
## Lakes Environmental Training Approach

**“The hands on approach is clearly the best way to learn”**

**P.A.A - Carson City, Nevada  
April 5-18, 2008**

**“Informative and highly technical. Provides detailed information about the basics of air dispersion modeling”**

**C.B. - Toronto, Ontario  
April 2-3, 2009**



## The Best Way to Learn New Software

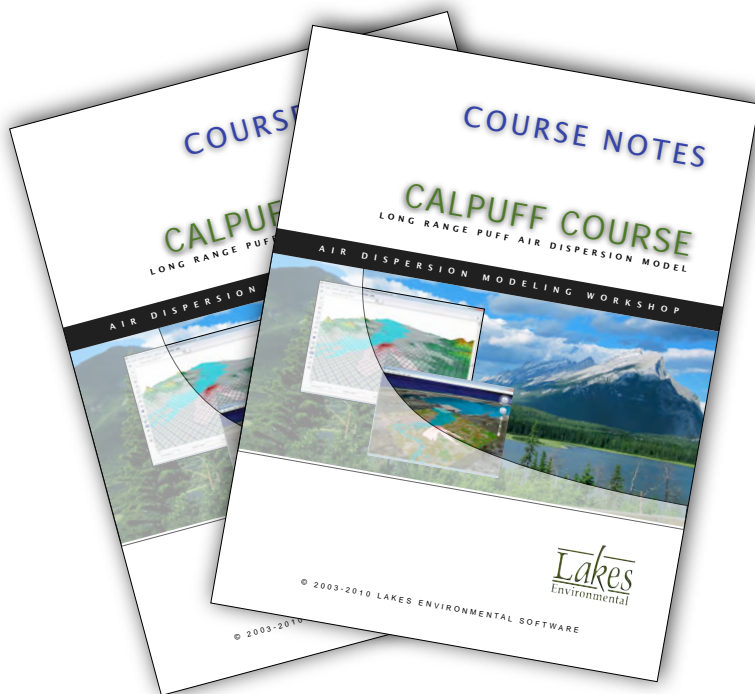
Lakes Environmental has offered training in air dispersion modeling worldwide since 1998. Our classes not only emphasize the importance of CALPUFF's theoretical application, but also its practical hands-on functionality. Lakes Environmental believes that the best way to learn new software is to learn it first hand. That is why every course attendee is trained by our experts, in a smaller class setting, and provided individual access to both CALPUFF View and a

computer over the duration of our training. We ensure your training experience provides you with all the necessary tools and information to carry out your own CALPUFF modeling projects.

Well structured classes, expert instructors, small class sizes, personal computer access, and extensive course materials; it's no wonder Lakes Environmental is internationally recognized for its training.

# Course Materials

Included in your Training Registration



## Course Notes & Slides

Lakes Environmental equips you with two course booklets for your future endeavors with AERMOD modeling. We supply you with a “Course Slides” booklet containing slides from the training presentation, as well as a “Course Notes” binder which takes you step-by-step through basic modeling procedures.

## Course CD

Every course attendee also receives a Course CD. This CD includes;

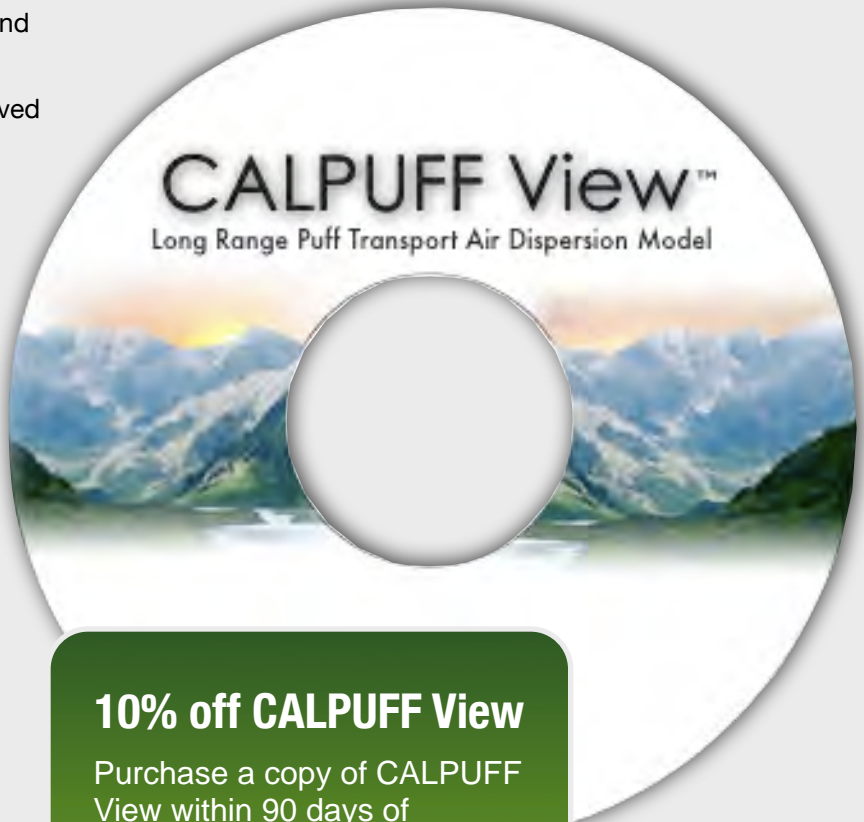
- FREE downloads for Screen View, WRPLOT View, and Percent View
- Course files for case studies reviewed during training
- Links to key modeling resources
- PDFs of course powerpoint slides

# CALPUFF View

Long Range Puff Transport Air Dispersion Model

CALPUFF View provides a complete graphical solution for the CALPUFF modeling system; CALMET, CALPUFF and CALPOST, along with their related pre and post processors. The software supports the EPA approved version 5.8 and the advanced version 6.0 of the CALPUFF system and includes powerful and independent QA tools, stunning report ready results and a wide range of visualization options. CALPUFF is a sophisticated model, and is used in many modeling scenarios, including:

- Toxic pollutant deposition
- Visibility assessments
- Complex terrain
- Secondary pollutant formation
- Long range and over-water transport  
Building downwash
- Coastal interaction effects
- Dry deposition
- Fumigation conditions
- Chemical transformation Sub-hourly time steps



## 10% off CALPUFF View

Purchase a copy of CALPUFF View within 90 days of attending CALPUFF Training and receive a 10% discount off your purchase!

**Purchase CALPUFF View Now!**

[info@addlink.es](mailto:info@addlink.es)

[www.ingenieria-ambiental.es](http://www.ingenieria-ambiental.es)