

## **LANDIS-II JANUARY 2012 WORKSHOP AGENDA**

- DATE:** January 11-13, 2012
- LOCATION:** University of Wisconsin-Madison
- COST:** There is no registration cost. However, you will need to pay for travel, lodging, and food.
- LODGING** We encourage people to make reservations at the locations listed below. **Note: Because of other events on campus, you should book as soon as possible.**
- TRAVEL** There are many flights into Madison (MSN) from Chicago and surrounding cities, daily. A taxi (~\$20) is the quickest way to the university.
- HOSTED BY** David Mladenoff, University of Wisconsin
- CO-ORGANIZERS** Eric Gustafson, USFS  
Brian Sturtevant, USFS  
Rob Scheller, Portland State University

We will summarize current research in LANDIS-II development and application, and provide a forum for LANDIS-II collaboration. In addition, we will provide hands on training for both new users and more seasoned users interested in some of the more sophisticated LANDIS-II extensions. This training will take place in the two days prior to the larger group meeting.

**Lodging and Dining:** [The Lowell Center](#), [UW Union South](#), and [The Best Western InnTowner](#). Dining suggestions: The Institute for Discovery is across from Union South. Lombardino's is across the street from the InnTowner. For those at the Lowell Center, there are many options on State St.

You will be responsible for transport from your hotel to the meeting locations (see below). UW Union South is within easy walking distance. The Best Western offers a shuttle service, but make arrangements the evening before. You can also walk. There is a campus bus from the Lowell Center; you can also walk.

An overview map with lodging and meeting locations can be found [HERE](#). And there is a great campus map: <http://map.wisc.edu/>

## MEETING OVERVIEW

### **Tuesday, January 10**

Afternoon: Preliminary meetings for early arrivals  
Dinner: On your own

### **Wednesday, January 11**

Morning: **8 am: Beginner User Training Workshop**  
Lunch: Noon: Microcosm Cafe  
Afternoon: Beginner User Training continues  
Dinner: Location TBD

### **Thursday, January 12**

Morning: **8am: Beginner & Advanced User Training Workshop**  
Lunch: Noon: Microcosm Cafe  
Afternoon: Scheduled small group meetings **OR**  
Afternoon: Beginner & Advanced User Training Workshop concludes, 5pm.  
6:30pm: Group Dinner, Shish Café (**BRING CASH**)

### **Friday, January 13, Arrive @ 8am**

Morning: Introductions and Greetings  
Presentations on latest LANDIS-II developments and applications  
Lunch: Noon: Microcosm Cafe  
Afternoon: Continued presentations and moderated discussions  
Summary Discussion  
Conclusion: 5PM

## **LANDIS-II USER TRAINING – DETAILS:**

Purpose: Provide hands on experience running the model, including conceptual understanding, simple calibration, and simple output analysis. We will go through a series of exercises, each with hands on activity and a small group discussion.

**Prerequisites:** Register at the LANDIS-II web site ([www.landis-ii.org](http://www.landis-ii.org)).

**Note:** Computers with the necessary software pre-installed will be provided.

**Leaders:** Brian Miranda, Rob Scheller, Brian Sturtevant

Location: Russell Labs A120. Also A121 and A232 for breakout sessions (see map below).

**Wednesday and Thursday starting at 8am and continuing until 5pm.**

## **GENERAL SESSION DETAILS:**

Purpose: Demonstrate examples of recent developments and applications. Discuss future developments and needs.

Location: 1510 Microbial Sciences (see map below)

<b>8am:</b>	<b>Arrival, name tags</b>
8:30am	Welcome – David Mladenoff and Eric Gustafson
8:45am	Workshop Goals (Brian Sturtevant)
9:00am	Quick Introductions
9:15am	LANDIS-II v6 Overview & Progress Summary (Rob Scheller)

### ***Presentations (20-minutes each), 9:30-Noon***

Jane Foster:	Insect defoliation
Melissa Lucash:	Century N dynamics
Fugui Wang:	Multi-model simulations of long-term effects of forest harvesting on ecosystem productivity and C/N cycling
Caren Dymond:	Climate change impacts on forest carbon using CForCS, a new LANDIS extension
Brian Sturtevant:	Leaf Area Index Succession: Application to Labrador
Eric Gustafson:	Modeling forest mortality caused by drought stress: implications for climate change
Guillaume Ste Marie:	Scaling up spruce budworm disturbance
Ajith Perera:	BFOLDS implementation in LANDIS-II
Pui-Yu Ling:	Modeling, Forecasting, and Valuation of Forest Carbon Dynamics in North Carolina

***Lunch: Noon – 1pm at the Microbial Science Microcosm café.***

***Continued Presentations, 1-2pm***

### ***Moderated Discussions, 2 – 3:30pm***

Purpose: Discuss the science relevant to forest change, facilitate collaboration, and define the key hypotheses driving research and planning efforts. These discussions will have assigned leaders and goals. Each leader will report back to the larger group.

Potential items for discussion:

- Belowground C and N dynamics (Scheller)

- Drought dynamics (Gustafson)

- Leaf Area Index Succession (Sturtevant)

- Wet forest dynamics and hydrology (Mladenoff)

- Scaling-up landscape case studies for regional inference (Handler)

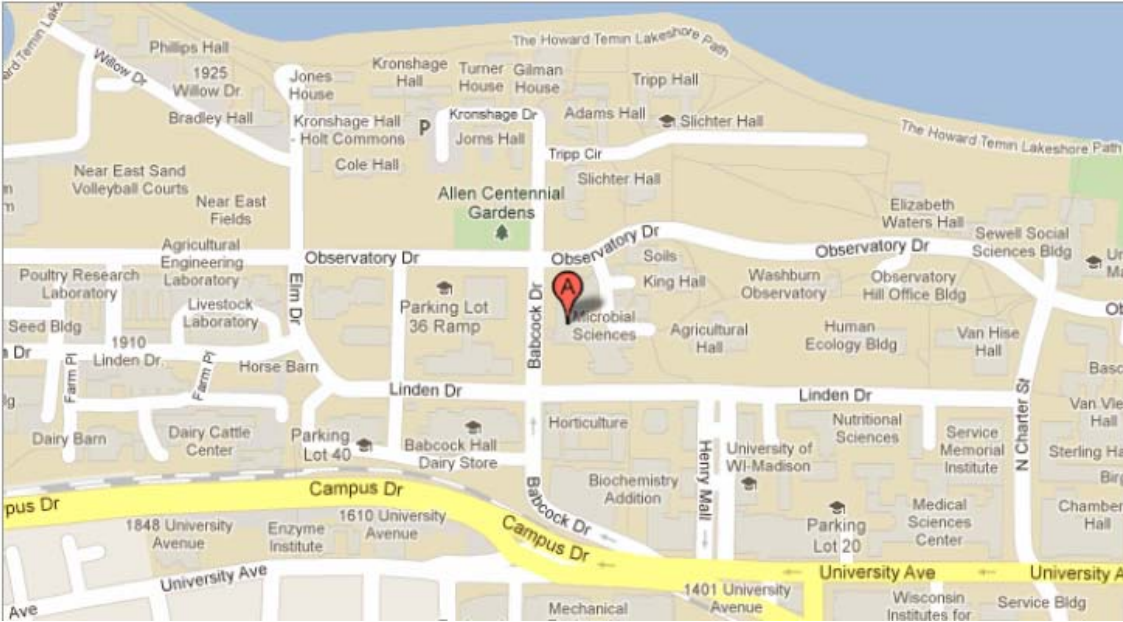
### ***General Session Conclusion, 3:30 – 5:30pm***

Purpose: Outline some of the up and coming features, and overview the vision for future of LANDIS-II. This will be an open forum to discuss future directions, opportunities to collaborate, and resource needs.



Address **Microbial Sciences**  
**University of Wisconsin, Madison,**  
**WI 53706**

Get Google Maps on your phone  
Text the word "GMAPS" to 466453



Address **Russell Laboratories**  
**University of Wisconsin, Madison,**  
**WI 53706**

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