

## Workshop 2A

### *Evaluation*

Friday, April 13

1 – 3 pm

Assembly Room, 4<sup>th</sup> floor Rackham

#### Lead Organizers

Ethan Allen and Anne Donnelly

#### **Abstract. Local Tremors, National Impact: Creating a Shared Assessment Toolkit**

How could you create a set of assessment activities and tools for 15 Experimental Facilities, each of which conducts Earthquake Engineering Education, Outreach and Training (EOT) activities, but has distinct laboratory equipment, staff resources, and learning outcomes? Moreover, how could you create a set of tools that could measure systemwide impact, yet provide meaningful local data? The Network for Earthquake Engineering Simulation (NEES) is a shared national network of 15 experimental facilities conducting next-generation research. These facilities conduct EOT activities, but a need for shared assessment tools has emerged, and a working group with national experts and local facility staff is currently creating a shared assessment toolkit. In this presentation, we will discuss the process for creating the toolkit, including the identification of common learning objectives that are based in current activities and shared goals. We will also present the first assessment instruments, which are currently being field-tested. We will also discuss the research questions built into the assessment, how flexibility was built into the tools, lessons learned and challenges faced.

#### **Overview of NEES Toolkit Assessment (30 mins)**

1. NEES & Network Goals
2. Assessment Drivers
3. Working Group Process & Outcomes
4. Highlights & Lessons Learned

<b>Option 1: Assessing Needs (90 Mins)</b>	<b>Option 2: Creating Instruments (90 Mins)</b>
1. Introduction / Break into Groups by Activity Type (10 Mins)	1. Introduction / Break into Groups by Activity Type (10 Mins)
2. Introductions, Activity to Assess & Strategic Goals (15 Mins)	2. Introductions, Activity to Assess & Strategic Goals (15 Mins)
3. Objectives & Concrete Metrics (30mins)	3. Objectives & Concrete Metrics (15 mins)
4. Instruments & Questions (15 mins)	4. Instruments & Questions (30 mins)
5. Report Back (20 mins)	5. Report Back (20 mins)

#### **Speakers**

John Whitmer, NEESinc Education, Outreach and Training Manager

Alicia Lyman-Holt, Education and Outreach Coordinator, O.H. Hinsdale Wave Research Laboratory, Oregon State University

#### **Recorder / Reporter**

Lowana Greensky, NSF Science and Technology Center / National Center for Earth-surface Dynamics