NEEShub Workshop

West Lafayette, Indiana

June 10–11th, 2010

NEEShub (www.nees.org)

Goals of this workshop

▸ Engage and involve the NEES community in the development process

▸ Use realistic activities to evaluate the *NEEShub* and collect ideas

We anticipate having such a workshop each year.

Goals of this workshop

▸ The *focus* today is on the tools being improved and developed to support users in their research efforts.

◦ Project Warehouse
◦ inDEED (plotting tools)
◦ OpenSEES
◦ Project Explorer for NEES (data ingest)
◦ Improved navigation and search

Agenda

- *Day 1 (June 10th)*
- 8:30–9:45   Goals of the Workshop & Intro to *NEEShub*
- 9:45–10:15 Teams and Tasks
- 10:15–10:30   Morning break
- 10:30–5:00 Team activities (*take breaks as needed*)
- 12:15   Lunch arrives
- 3:00–3:20   Tour (by Mark Bowman, Bowen Lab Director)
- 5:00–?   BBQ for all at Happy Hollow Park
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- *Day 2 (June 11th)*
- 8:30–10:15 Group presentations
- 10:15–10:30   Morning break
- 10:30–12:00   PEN Demonstration; Discussion

Getting started…

- Create an account on the NEEShub
  - http://neeshub.org

- Join the group assigned to your team (see Table 1 for groups), and your membership request will be approved shortly

Rudi Eigenmann

Welcome to the Workshop

We Need Your Feedback !
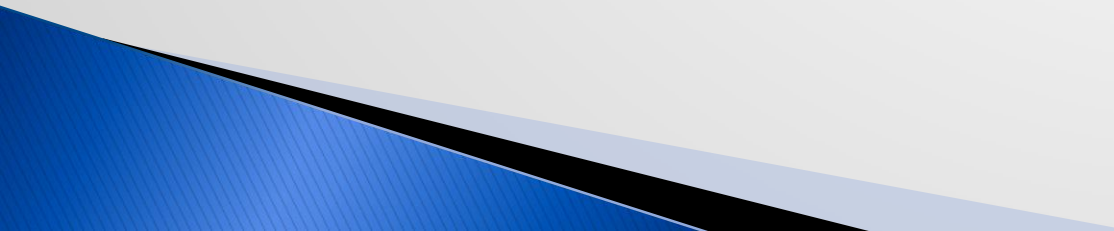
▶ Requirements-driven design is key

▶ Explicit needs of the community

▶ Our ideas, vetted by the community

▶ Our first release: July 31 – your critical review and ideas are very much appreciated.

Dawn Weisman

IT Update

Overview

- IT Team Structure
- Release 1 Process
- Prototype 2 Status
- Intro to P2
- New P3 functionality

NEEScomm IT Org Chart
June 2010

Director of IT

Dawn Weisman

IT Admin Assistant
Debbie Nahlik

Sr. Software Engineer
Brian Rohler

Sr. Software Engineer
Greg Rodgers

HUBzero Consultant
Ann Christine Catlin – .2

Data Curator
Standa Pejsa

Software Engineer
Rajesh Thyagarajan

Software Engineer
Gemez Marshall

HUBzero Consultant
George Howlett

Dave Benham
Software Engineer

DBA
Jerry Rowley (.5)

Cybersecurity Engineer
(tbd)

NEEScomm IT PIs

IT co-lead
Rudi Eigenmann

IT co-lead
Tom Hacker

Cybersecurity Officer
Saurabh Bagchi

Release 1 Process

- Source of initial Requirements
  - NEESit 2007 RTM
  - Basic nees.org functionality
  - Researcher interaction
- Requirements reviewed and prioritized by DWG and RAAS
- NEEScomm IT included most high and some lower priority requirements in Release 1
- Design direction received from Core Feedback Group
- Release 1 staged in 3 prototypes
- Release 2 starting soon – with process refinements

Release 1 Timeline

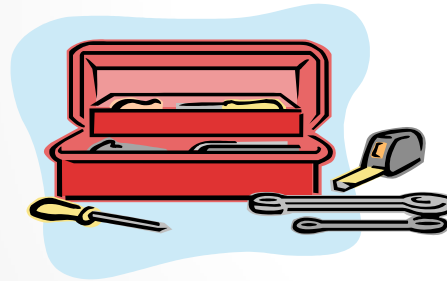|	12-Apr	19-Apr	26-Apr	3-May	10-May	17-May	24-May	31-May	7-Jun	14-Jun	21-Jun	28-Jun	5-Jul	12-Jul	19-Jul	26-Jul
Requirements																
Design	P1															
Coding							P2									
Testing													P3			
UA Testing																
Impl																
Warranty																

Prototype 2 Status

- Released to Testers on Monday (June 7)
- Contains a limited set of Project Warehouse data
- Includes improved P1 functionality as well as new functionality
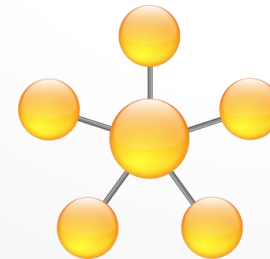- Be patient – we expect to find bugs

Brief Intro to P2

- Tools
  - Downloadable/Executable
  - Authoring Tool
  - inDEED
  - Project Warehouse
  - OpenSEES
- Hub functionality
  - Groups
  - Context sensitive tickets
  - Session Sharing
 - 'Multi-tasking'
  - Contributions/Resources
- General Web functionality
  - Register
  - Login
  - Wish List
  - Ticketing
  - Knowledge Base
  - Search
  - About NEES

New P3 Functionality

- Project Warehouse
  - Improved Display
  - Upload
  - Project Editor
- PEN Tool
- Mailing Lists
- Code Repository
- Remaining Tools (downloadable)
- Teragrid Allocation
- Site Utilization Calendar
- Data Migration
- User Account Migration
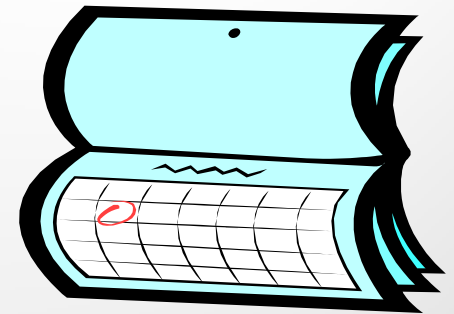
Questions/ Comments

Next steps

- Complete a set of tasks
- Evaluate the current version of the NEEShub and provide feedback
- *Please don't be concerned about doing tasks in the correct way, as any way that you can complete the tasks is correct.*
- Please *do* tell us about problems you experience, things that you like, and ideas for the future.
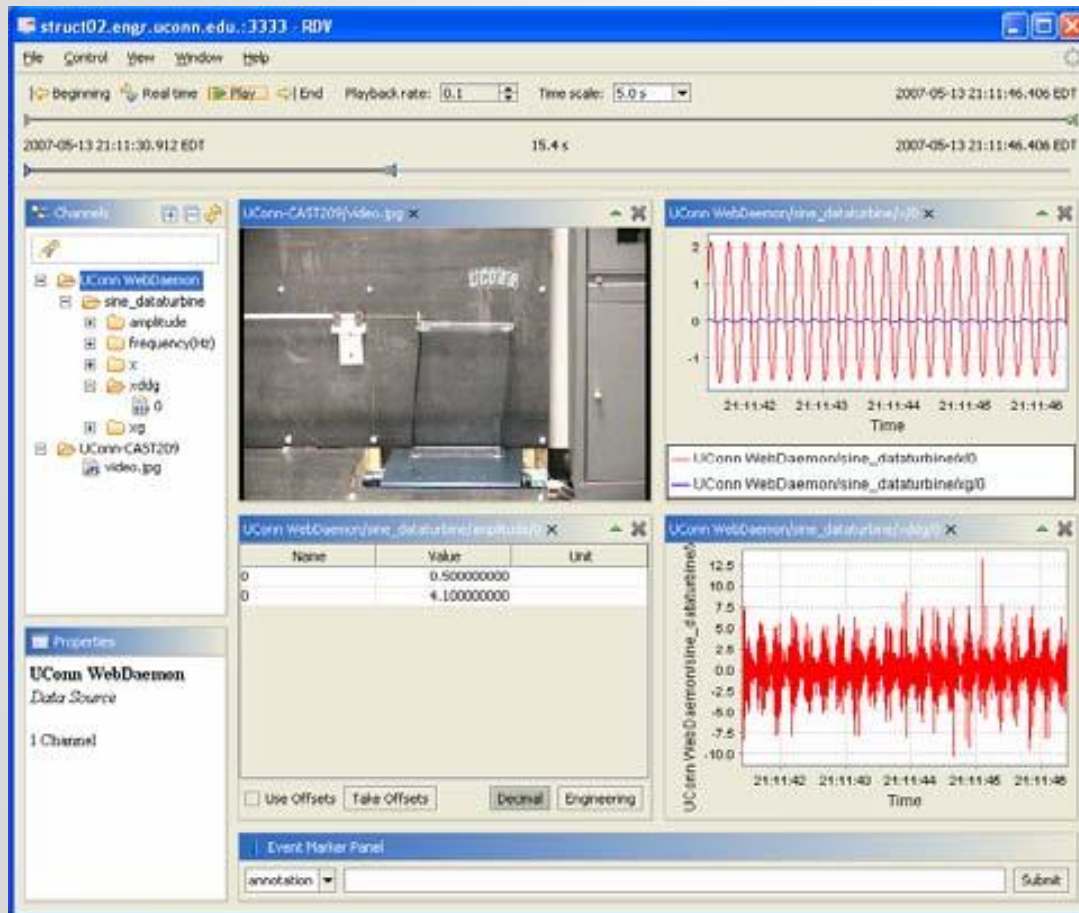
General Tasks

- Use the link on the group's wiki to sign up for a time to perform the remote experiment

- On the wiki page in your group please take detailed notes on this experience as you perform the tasks

- **Use the *ticket system* to report any bugs, problems, difficulties throughout the workshop**

Specific Tasks

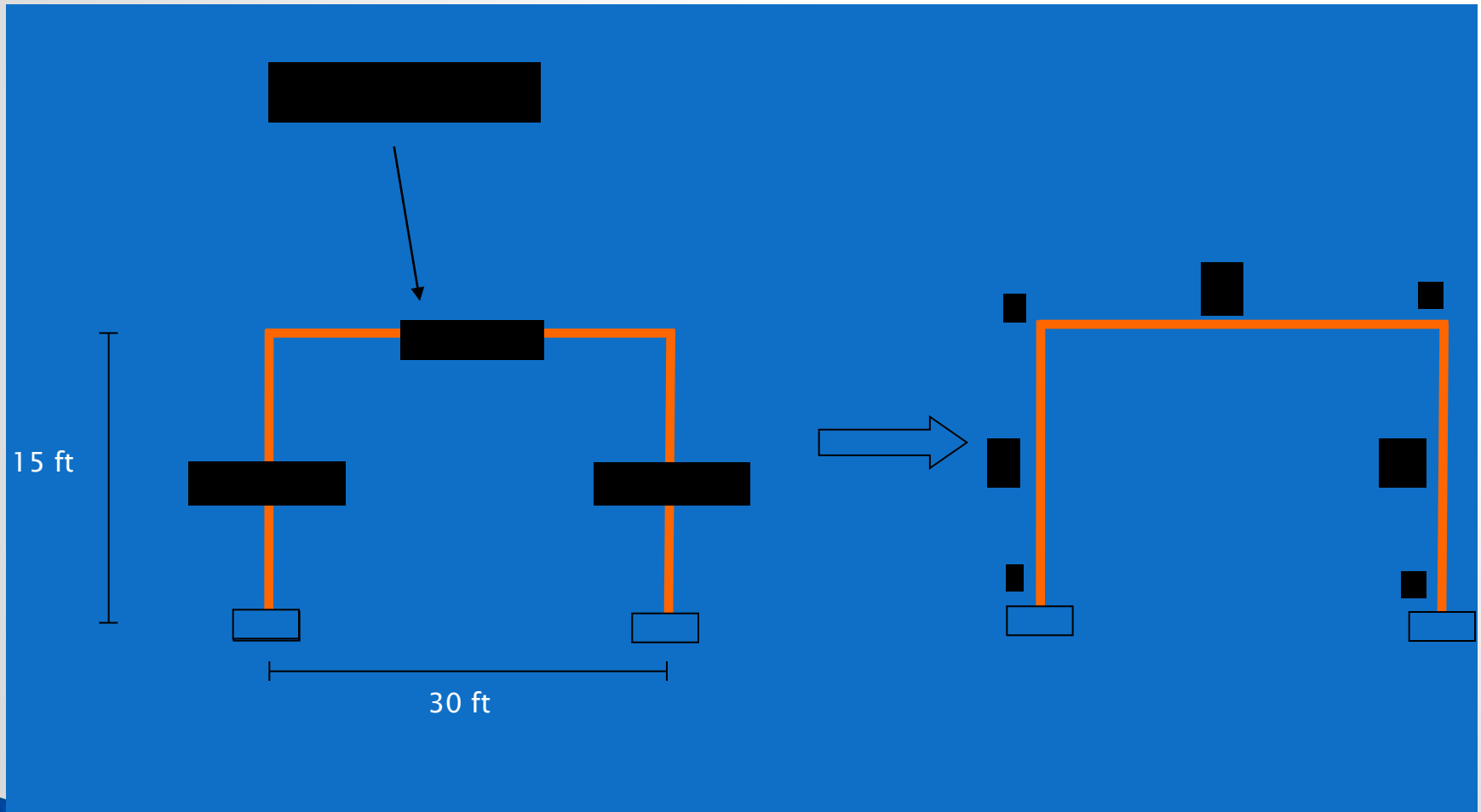Please do the following tasks, but they can be completed *in any order you wish*.

▸ Perform a remote experiment on a shake table

▸ Run a simulation in OpenSEES

▸ Scavenger hunt for information

Perform an Experiment

Run a Simulation with OpenSEES

Scavenger Hunt

Tomorrow

- Friday morning each group will be asked to make a powerpoint presentation. Please comment and prioritize:

  ◦ Problems encountered, creative solutions
  ◦ What do you like? Not like?
  ◦ Ideas for the future design of the NEEShub

- Upload the powerpoint file to the group wiki, and email to me at the close of the workshop

- NEEScomm IT will lead a discussion about input

Hints:

- The instructions should also be posted to your group's wiki site
- Some hints can be found in Section D of the instructions for
  - Uploading files
  - Deleting files
- If other hints are needed as we go we will post them in front of the room

Awards

- Best Group Feedback
- Best Innovation Concept
- Best Team Spirit

Kari Nasi & Santiago Pujol

Demo: Plotting tool

Nestor Castaneda

Demo: OpenSEES in the hub