




Labshare


General Update






Summary

- National project
 - Funding from Aust Govt - DEEWR
 - 5 core partners (UTS, RMIT, UniSA, Curtin, QUT)
 - Aim: To develop national approach to lab sharing
- Technical
 - New labs; Supporting systems; Resources
- Pedagogic
 - National survey; resources
- Organisational
 - Development of sustainable model for sharing



Sahara R3

- Reservation system
 - Auto balancing of queues and reservations
- Rig administration dashboard
- Built-in documentation
- Better support for rigs with complex reset sequences



New/Redeveloped Rigs



- Hydro-electric (UTS)
- Fluid flow (Curtin)
- Inclined plane v2 (UTS)
- Wind tunnel (UTS)
- Bridge Truss (RMIT)
- Power Protection (QUT)
- Sahara-based NetLab (UniSA)
- Geotech (RMIT)



Pedagogic activities



- National laboratory review
 - Every Dept of Engineering in Australia
 - Comprehensive review
 - Formal report released at AAEE conference (Dec 2010)
- Sharing Trials
 - 2nd-half 2010
 - 11 Universities
 - 2000+ students
 - 7 rig types / 41 rig instances
- Labshare Helpdesk



Incorporation / Sustainability



- Operational model resolved
 - Formal approvals from relevant Universities
 - Draft constitution through legal
- Incorporation due in March
- New website
- Embedded rig catalogue



Secondary School Initiative



Preliminary trials

- Oct-Dec 2010
- 10 schools, years 8-11
- IPR/Hydro rigs
- Draft Report

2011

- Western Australia State Govt – wide-ranging trial
- VET/TAFE program



Other...



- **Interoperability**
 - LiLa / SCO generation
 - Sahara/Labs/... interoperability
- **Research**
 - Lab contextualisation / Virtual worlds
 - Augmented reality in labs
 - Promoting lab adoption
 - Automated group outcome analysis
- **Resource kits**
- **Funding**
 - DEEWR engagement
- **Workshops/Roadshow**

Thanks to:

- **Project Partners**
 - UTS; Curtin; UniSA; RMIT; QUT
- **Australian Government**
 - Department of Education, Employment and Workplace Relations
- **James N Kirby Foundation**
- **Australian Learning and Teaching Council**



Questions ?
