NSRC Update
Fall 2012 Internet2 MM
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NSRC Workshops

• See [http://nsrc.org/workshops](http://nsrc.org/workshops)

• Workshops focused on two primary areas:

1. DNS
   - Country Code Top Domain (CCTLD) – assisted 40 countries with CCTLD in 2012
   - DNSSEC theory and deployment

2. R&E Network Development
   - Campus Network engineering and operations
   - NREN engineering and operations
   - Network Monitoring & Security
Africa

- 10 Workshops
- Over 250 Participants
Asia

- 7 Workshops
- Over 200 Participants
Workshops in Other Regions

• 5 in Pacific Islands
• 2 in the Middle East
• 1 in South & Central America
• 1 in the USA
• 1 in Europe
• Over 250 participants
Direct Engineering Assistance

• NSRC has begun providing Direct Engineering Assistance
  – Focus on key, high priority projects
  – Specific tasks and goals for network improvements
  – Goal is to have broader impact by selecting high profile projects
  – Often, we provide equipment along with engineering and training for local personnel
Direct Engineering Assistance

- Africa, Asia, and Pacific Islands
- Total of 9 events in 2012
NREN Development

- EU/DANTE sponsored TEIN3 workshops in Laos, Cambodia, Myanmar, and Bhutan
- NSRC participated in all events
- NSRC will follow up with training workshops
  - Cambodia: August 2012
  - Bhutan: December 2012
  - Myanmar: March 2013
  - Laos: some time in 2013
Digital Library Development

• Important for emerging regions to provide access to local materials and participate as equals in global Internet

• Several digital library initiatives
  – Guatemala National Police Archives
    • Records about citizens who were victims of security forces during the 36-year civil war (1960-1996)
  – National Archives of Senegal
    • Significant collections from colonial times
    • Includes records associated with slave trade that is of prime interest to researchers
The Network Startup Resource Center and University of Oregon Libraries staff worked with colleagues from the National Archives of Senegal, and the Université Cheikh Anta Diop de Dakar (UCAD) to plan and create the infrastructure for a digital archive.
Workshop sessions included, installing and configuring DSpace for digital archives, developing a matrix and plan for digitization, establishing digital collection workflow procedures, and creating a schema with actual digital object records in the DSpace repository.
Lesli Larson, UO Libraries’ Image Services Coordinator, and Mandi Garcia, Imaging Specialist, demonstrate the digitization process and discuss best practices for archival digitization and imaging.
New Activities

• U of Hawaii and U of O awarded an NSF EAGER grant
  – You will hear more about this from David Lassner, PI on this grant
  – Hope is to develop a roadmap on how to catalyze R&E development in the Pacific
    • Support for research stations and Universities
New work in Lower Mekong

• Working on submitting a grant proposal focused on Science and Cyberinfrastructure in Lower Mekong region

• Partners: Indiana University, NSRC, PRAGMA (UC San Diego), and National Center for Atmospheric Research

• See Jim Williams (IU) or myself if you have faculty with interest in the region
Thank You

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