# 21<sup>ST</sup> Century Tools For Archivists:

A Progress Report on Persistent Archives at the Stanford Linear Accelerator Center (SLAC)

Jean Marie Deken Archivist

## Overview

- □ SLAC Test Collection: SLD Records
- □ SLAC Metadata development
- □ PAWN Workflow: SLAC → NARA
- □ Some conclusions / issues for the future

# **SLAC Test Collection: SLD**

- □ SLAC Large Detector for the SLAC Linear Collider (SLC) 1983-1988
- □ Early and prolific user of world-wide web
- □ No further need to keep data confidential
- Many types of electronic documents
- Meet US Department of Energy/NARA criteria for retention

# **SLAC Test Collection: SLD**

### Initial Electronic Records Appraisal

- □ Surfed SLD web site "manual crawl" <a href="http://www-sld-slac.stanford.edu/sldwww/sld-working.html">http://www-sld.slac.stanford.edu/sldwww/sld-working.html</a>
- ☐ Generated list of records series technical appraisal <a href="http://www.slac.stanford.edu/history/sldpat.htm">http://www.slac.stanford.edu/history/sldpat.htm</a>
- □ Interviewed collaboration's
  - Data Czar
  - Web manager
  - Spokesperson

# **SLAC Test Collection: SLD**

#### Targeted Web Crawls

- □ SDSC crawl agent combs site, starting at <a href="http://www-sld.slac.stanford.edu">http://www-sld.slac.stanford.edu</a> and <a href="http://www-sldnt.slac.stanford.edu">http://www-sldnt.slac.stanford.edu</a>
- □ Crawl result reviewed by SLAC
  - Too broad horizontally
    - □ 1100 pages  $\rightarrow$  112 urls of interest
    - □ "No Crawl" messages stopped the agent

# SLAC Metadata Development

- □ Began with the data elements that we currently use for our archives collections database, SLACARC
- □ Looked at
  - Dublin Core
  - METS
  - NARA metadata scheme

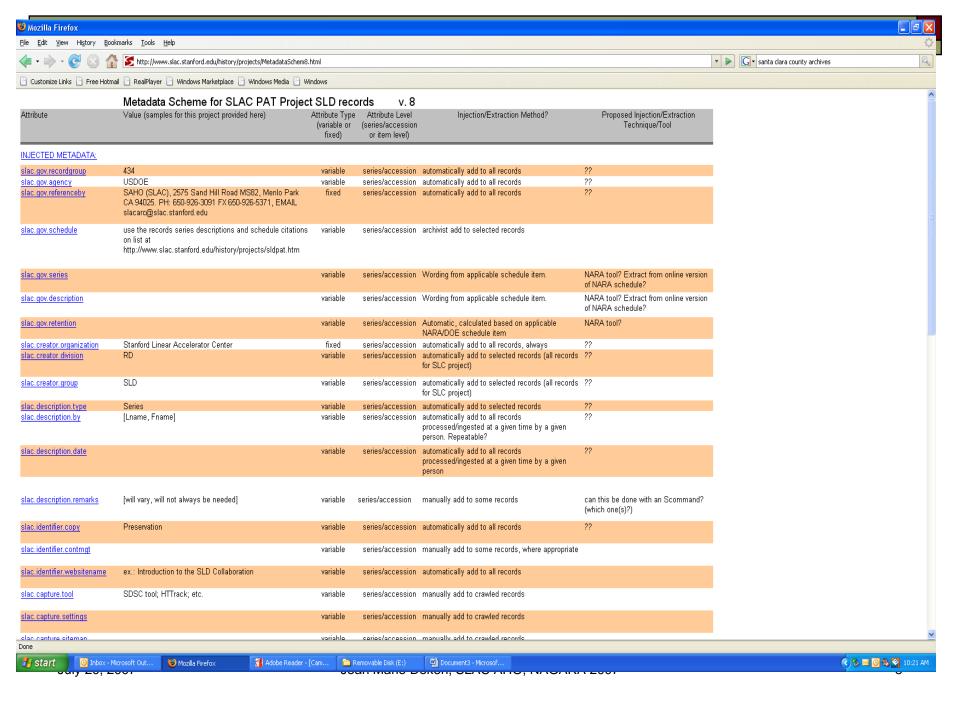
# SLAC Metadata Development

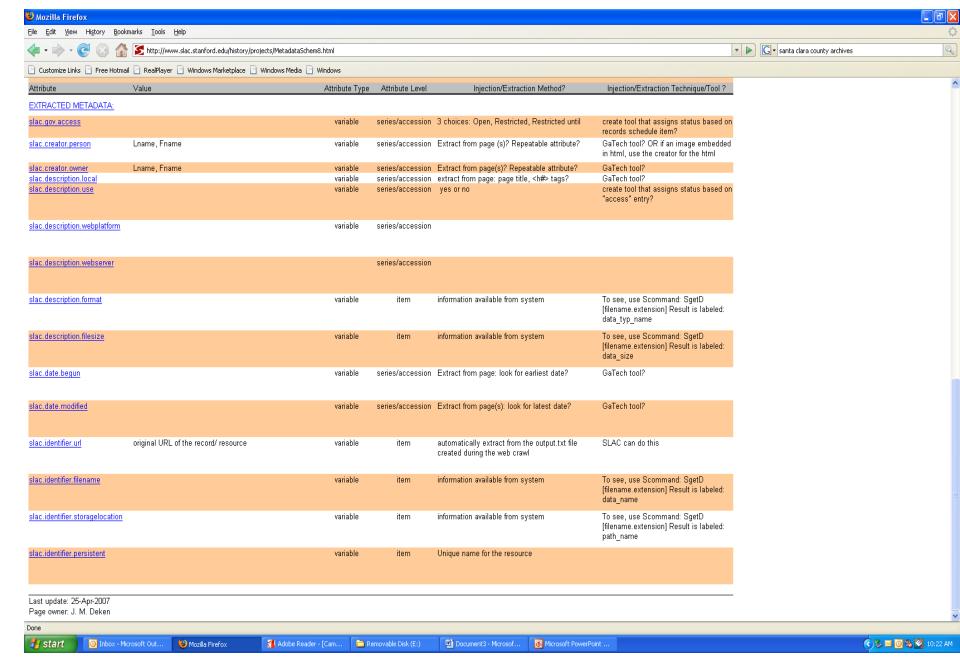
#### □ Now:

- Application and revision
- Some automated application of std. Metadata
- http://www.slac.stanford.edu/history/projects/Met adataScheme8.html

#### □ Future:

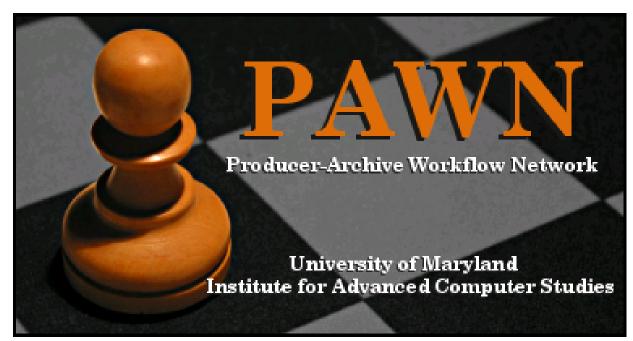
- Automate application of std. metadata
- Automate extraction of metadata





# PAWN WORKFLOW:

SLAC -> NARA



Version 0.5.2 (2006-05-12)

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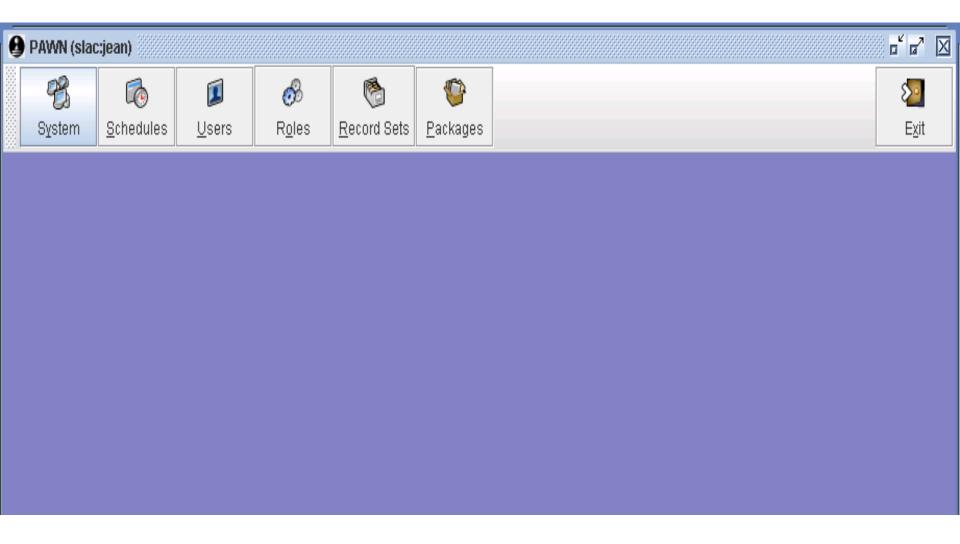
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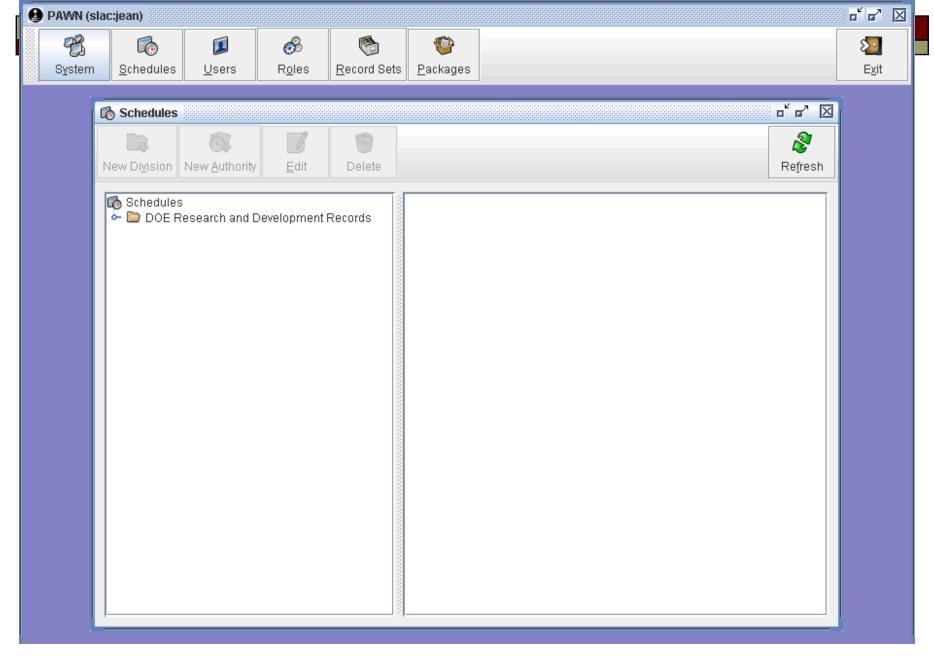
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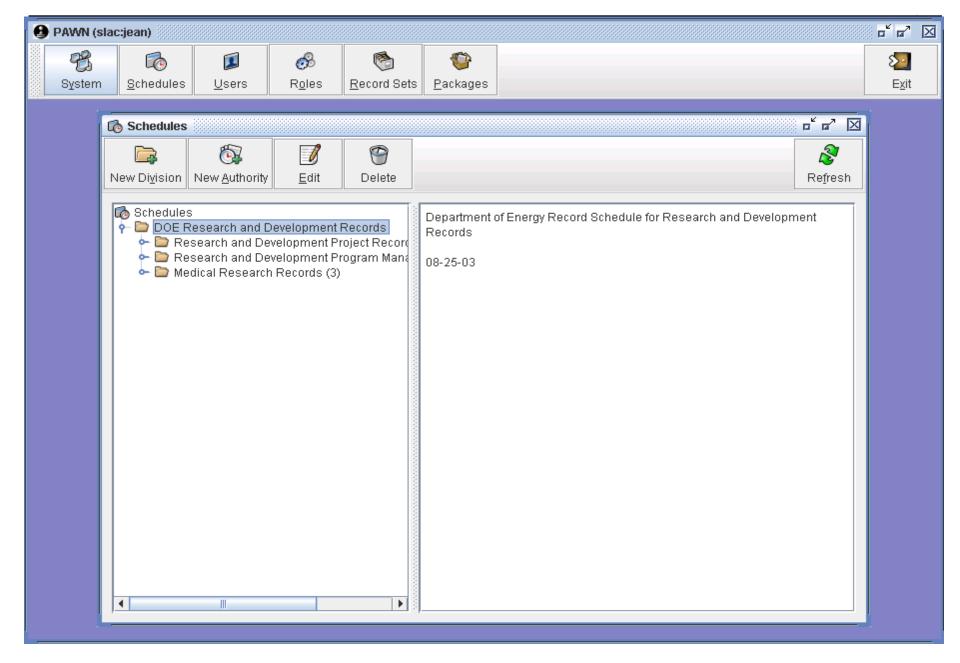


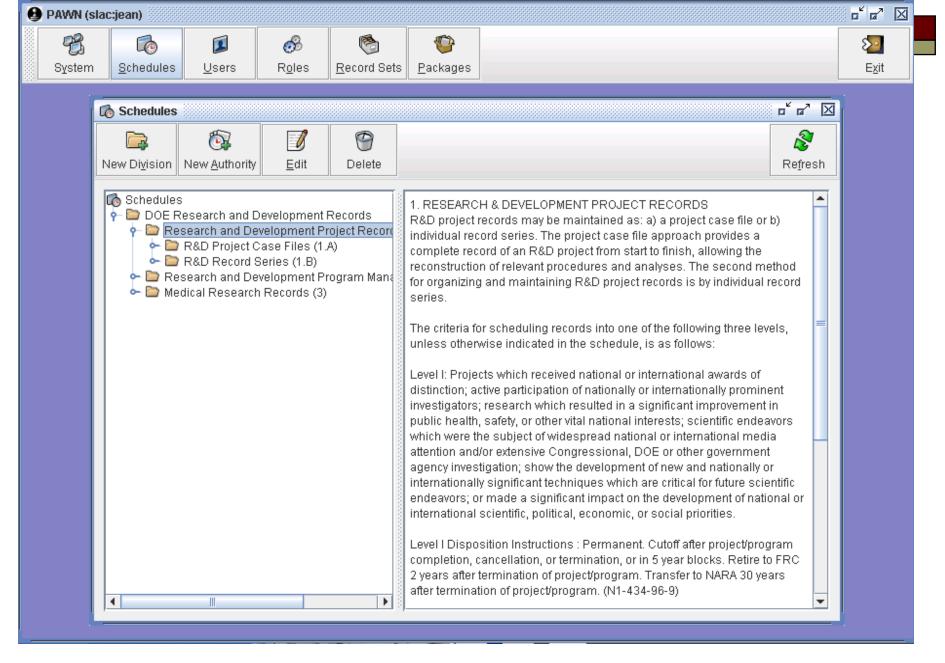


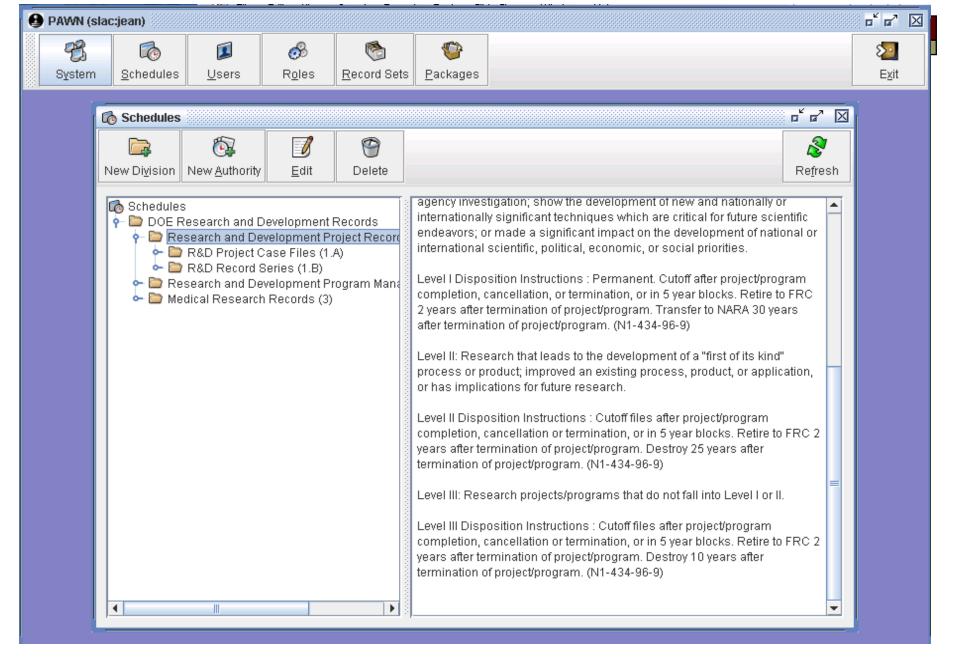


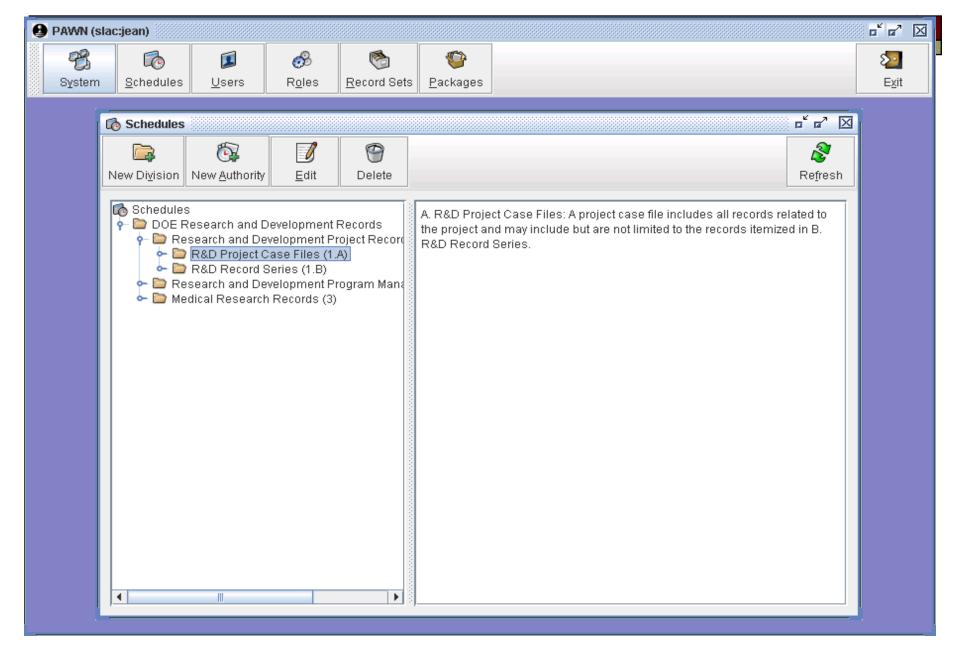


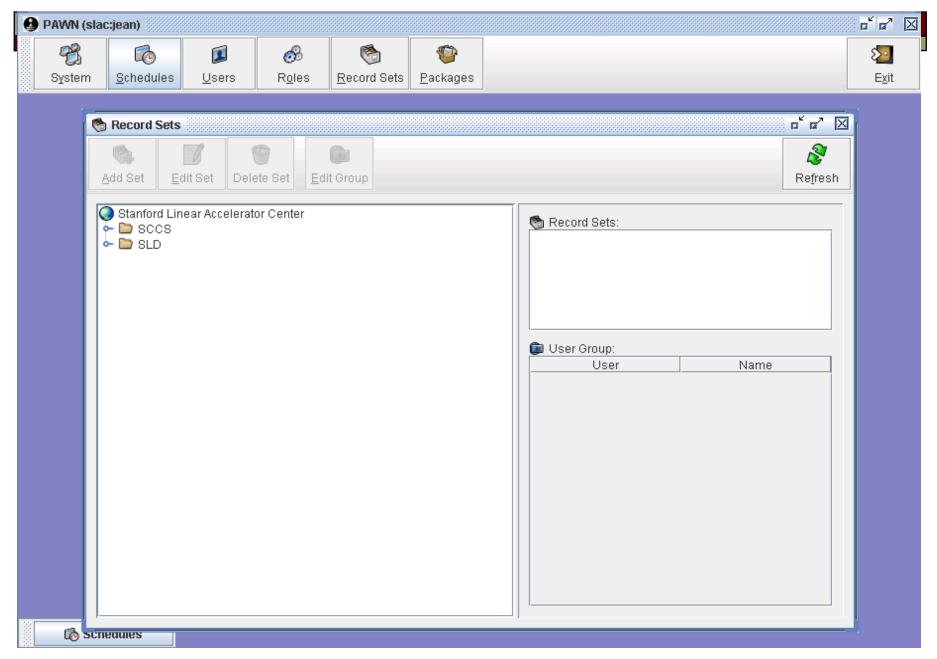


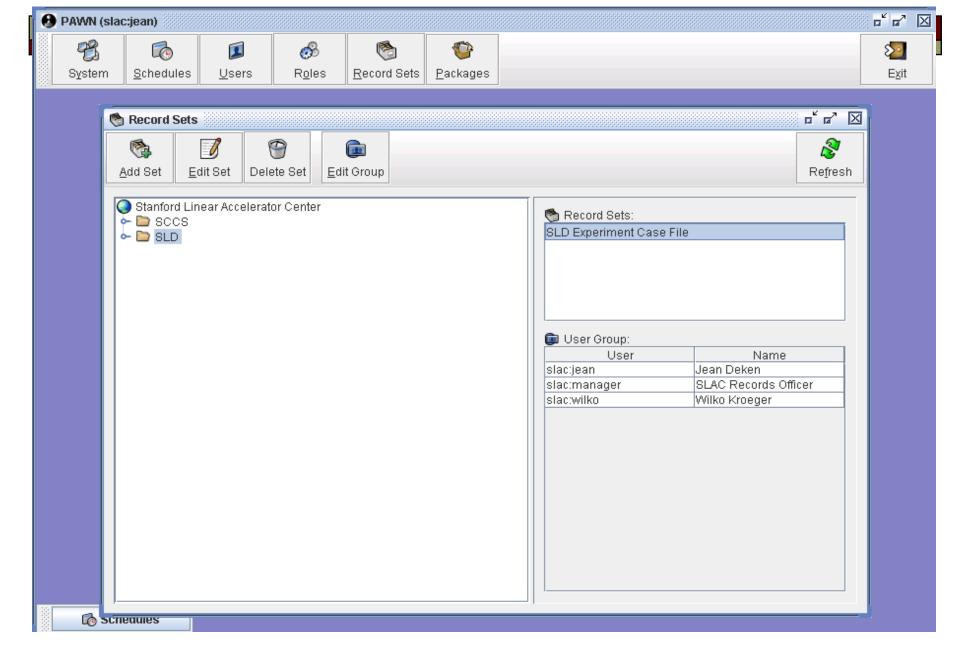


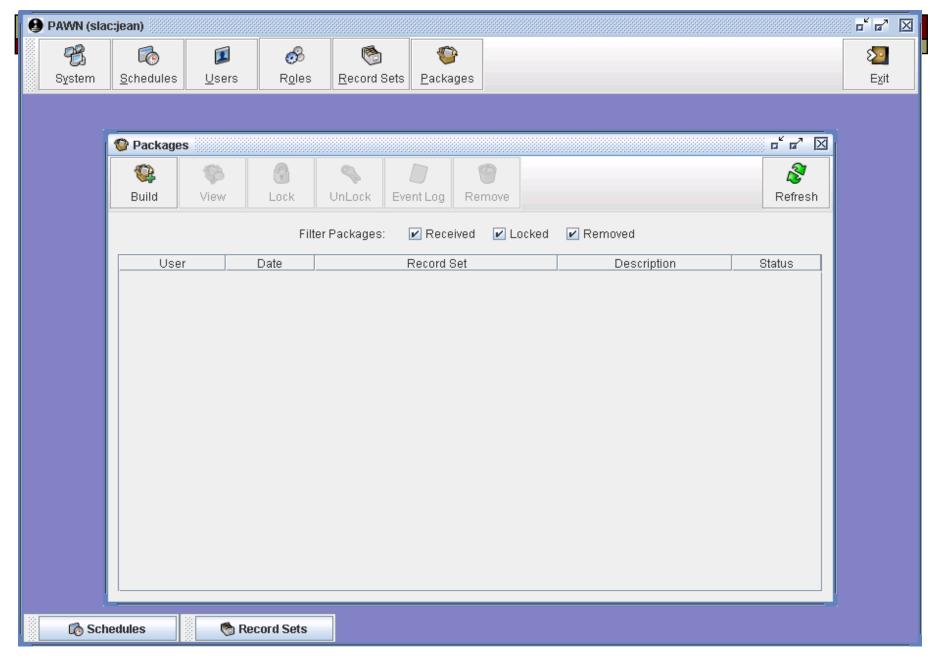


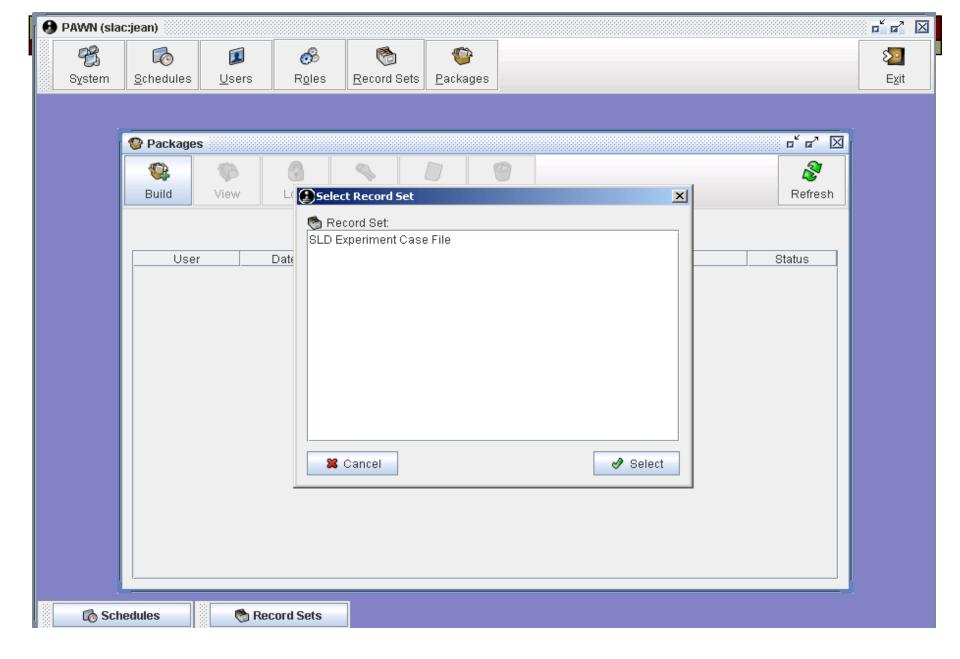


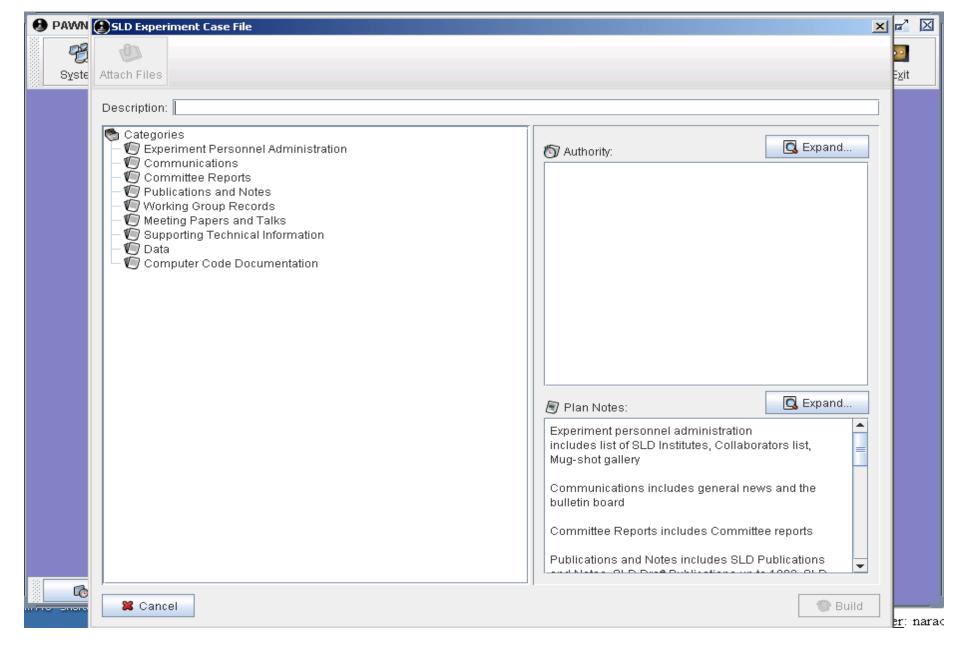


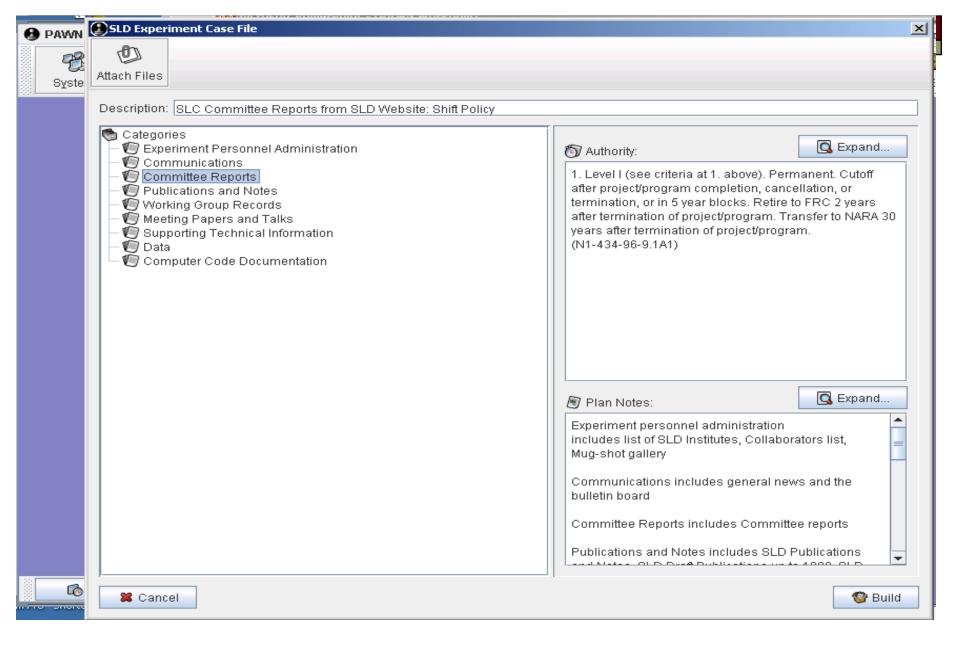


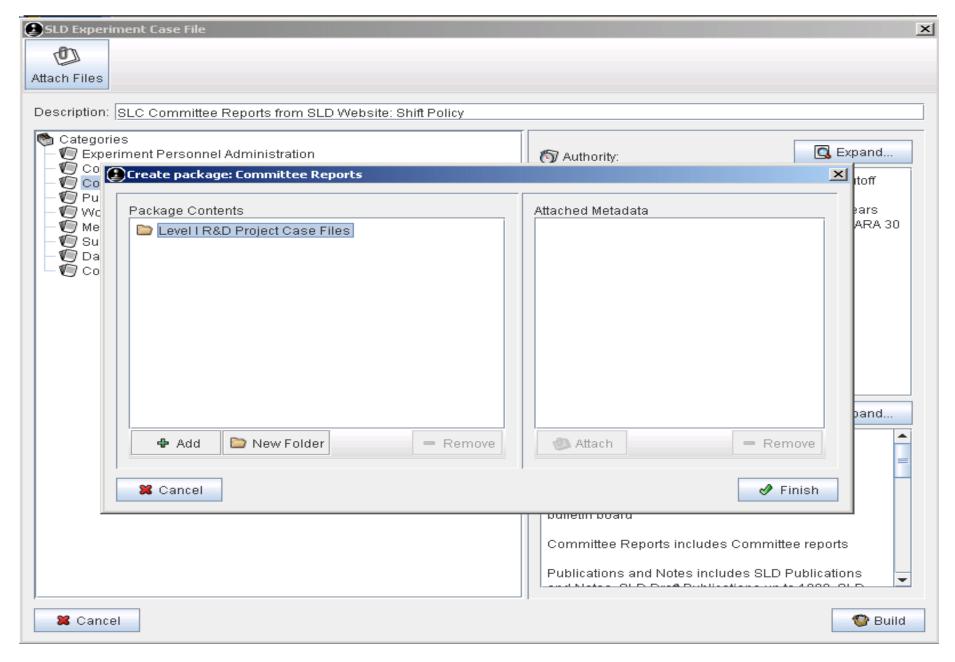


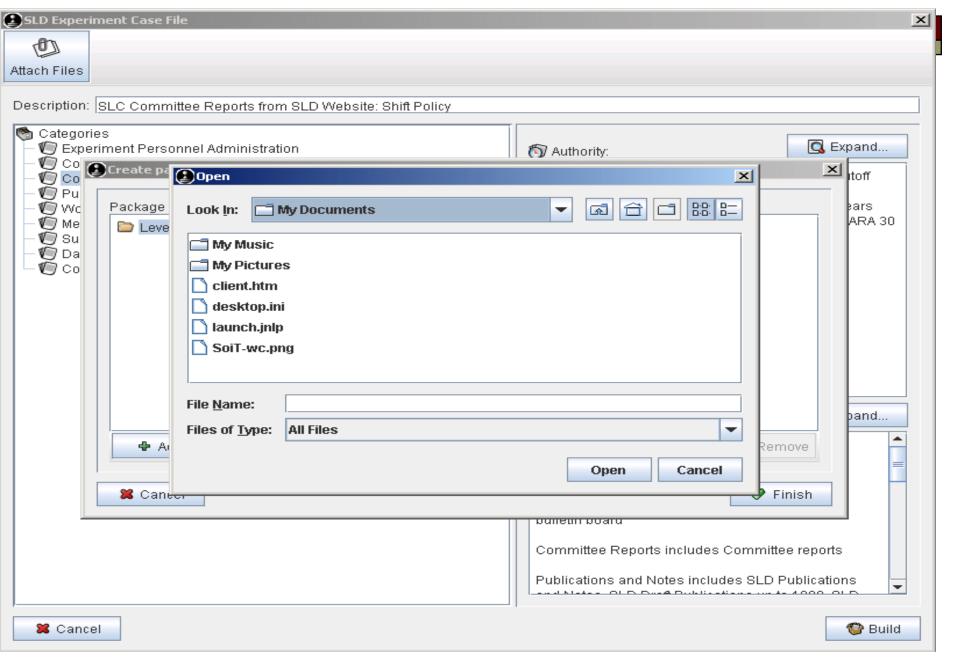


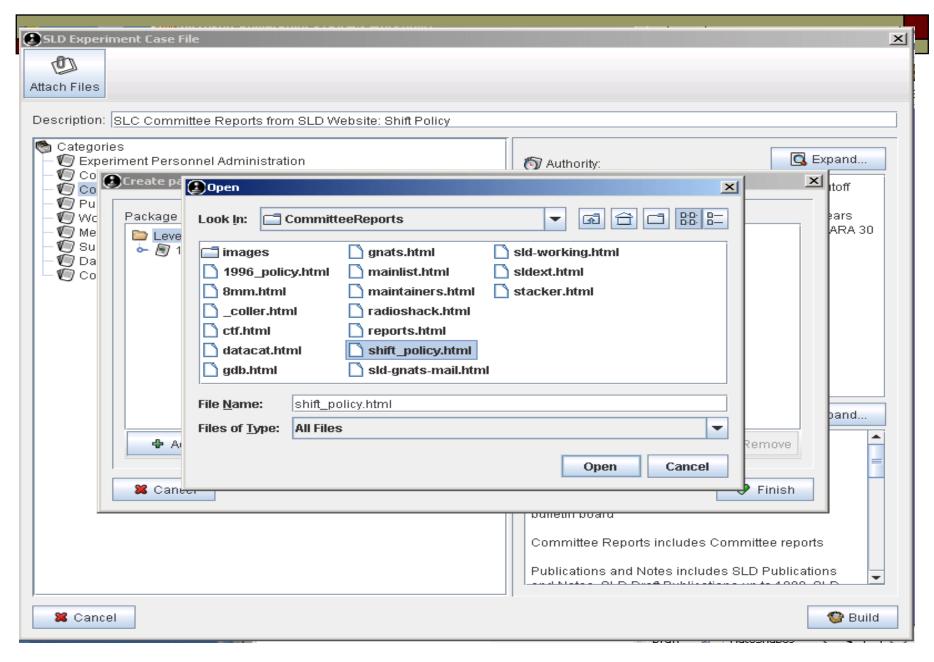


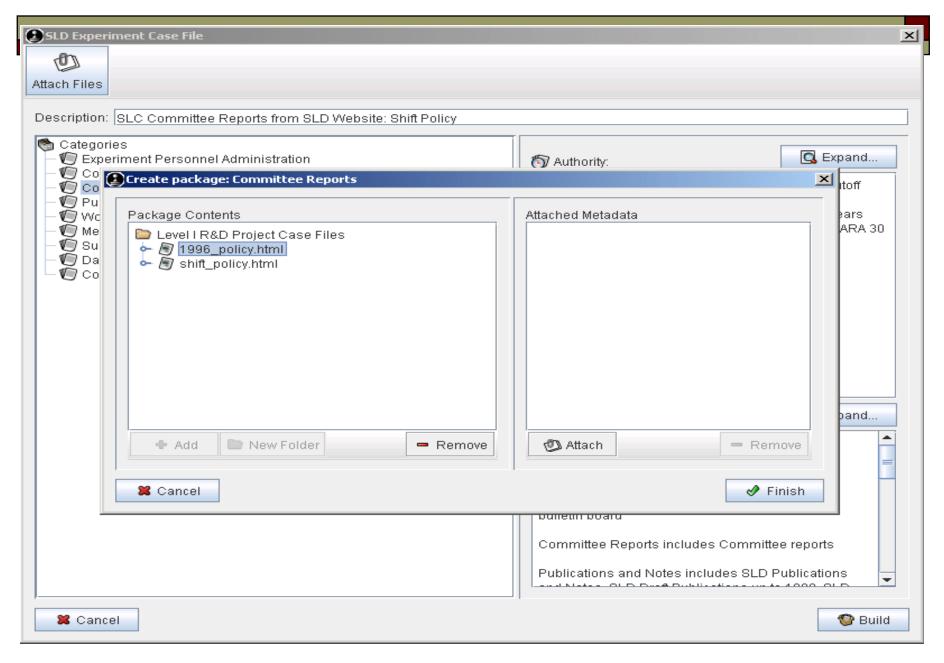


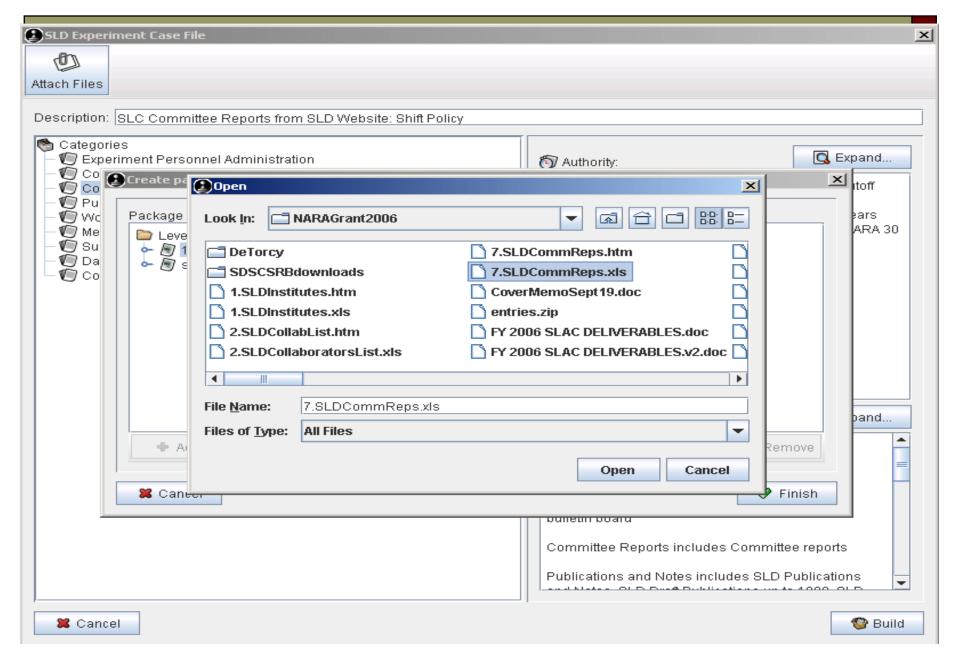


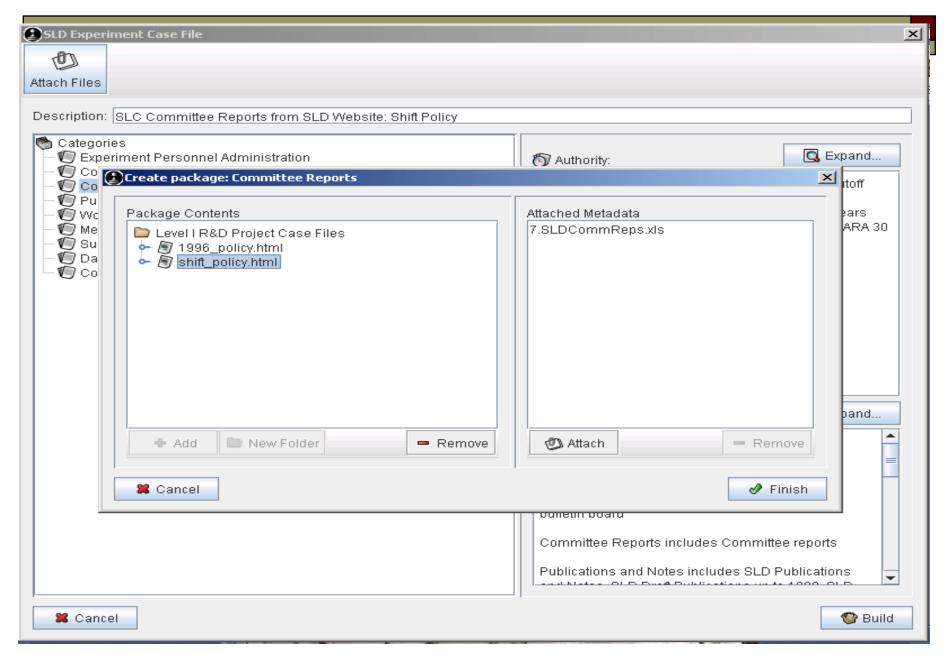


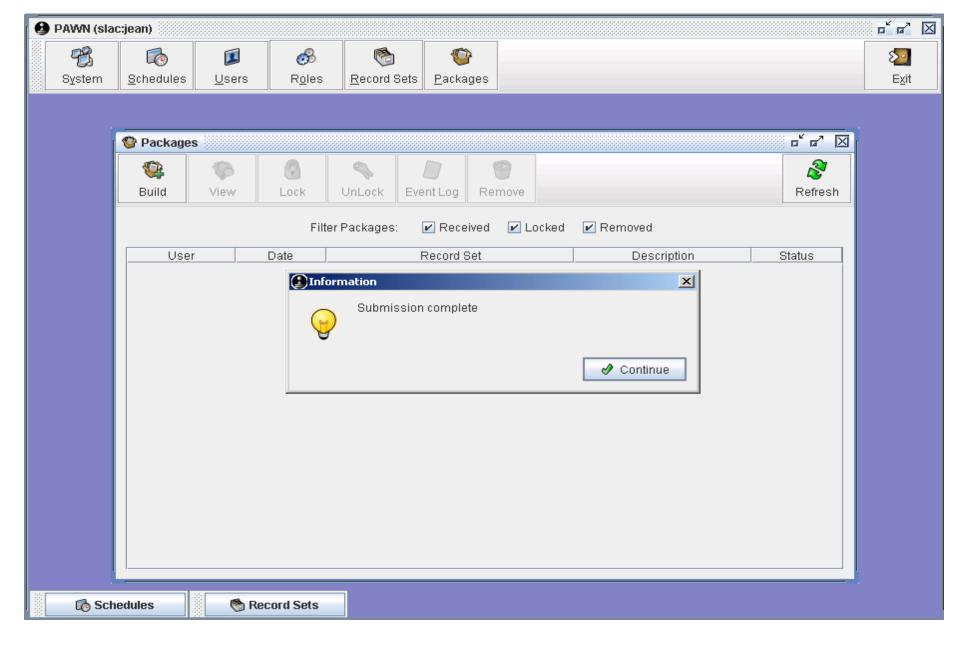


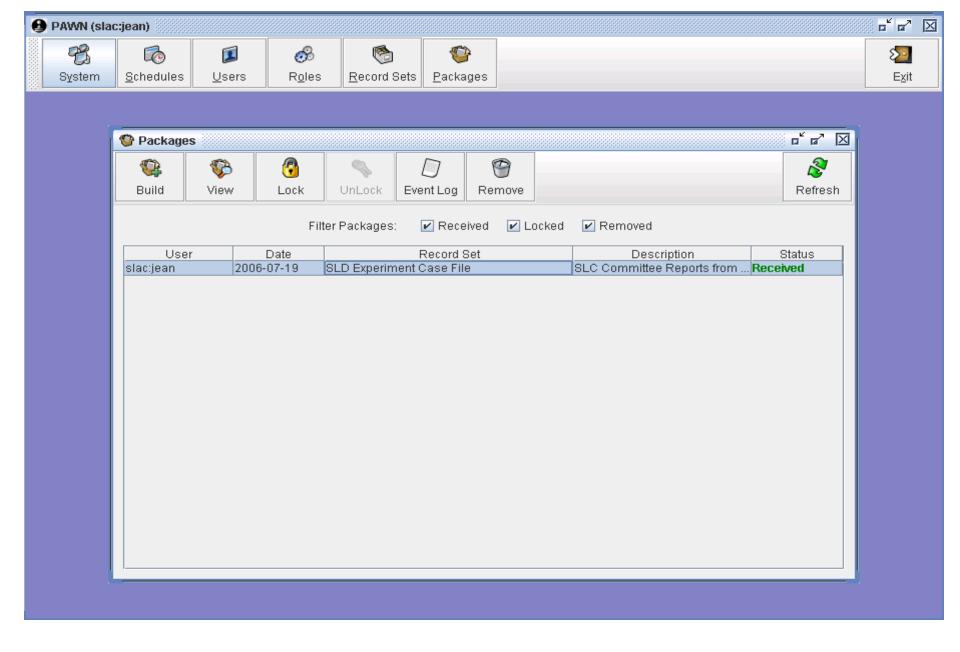


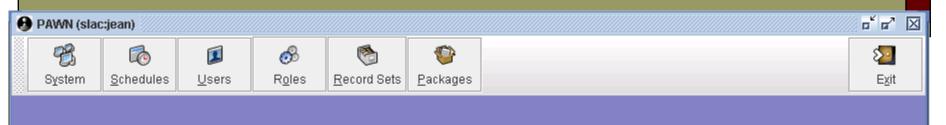


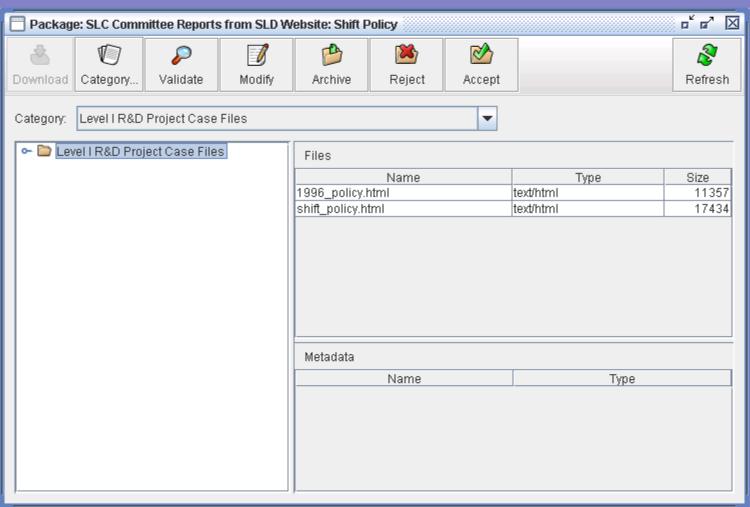


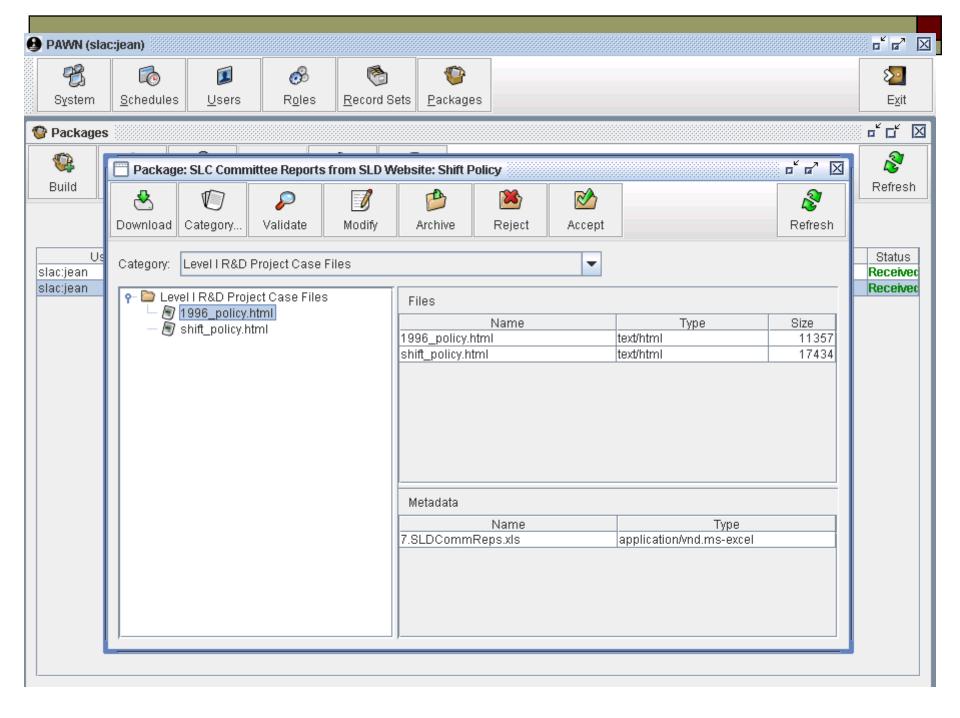












# Conclusions / Future issues ...

- Metadata
  - What
  - Where
  - How
- □ Generalize lessons to other collections
  - GLAST project (NASA records schedule)
  - Non-science archival collections
    - □ First US Web site
    - Public Affairs photographs

## For further information....

□ TPAP at SLAC:

http://www.slac.stanford.edu/history/projects.shtml

- □ PAWN:
  - http://www.umiacs.umd.edu/research/adapt
  - Or "I'm feeling lucky" Google keywords: ADAPT UMIACS \*

\*A Digital Approach to Preservation Technology, University of Maryland Institute for Advanced Computer Studies

# Contact information....

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