PREMIS in TIPR

“Interchange You Can Believe In”
• TIPR – a partnership between FCLA, Cornell and NYU
• Generously funded by the IMLS
• Goals:
  – Demonstrate feasibility of repository-to-repository transfer of rich AIPs
  – Identify issues that impede such transfers
  – Develop a usable, standards-based transfer format
  – Disseminate results to the preservation community and relevant standards efforts
Heterogeneous Partners

• FCLA runs DAITSS for the Florida Digital Archive
• Cornell University Libraries runs an aDORe-based repository, migrating to Fedora
• NYU Libraries runs a DSpace based repository
Key Decisions

• Use standards: PREMIS and METS
• Follow PREMIS data model for Intellectual Entity, Representations, Files
• Support arbitrary number of representations in any AIP
• Repositories should understand METS syntax and PREMIS semantics
• Digital provenance must be maintained through transfer
RXP Structure

- ./rxp.xml.sig: Optional OpenPGP signature
- ./rxp.xml: Package (RXP) level information
- ./rxp-digiprov.xml
- ./rxp-rights.xml
- ./rxp-rep-1.xml
- ./rxp-rep-1-digiprov.xml
- ./files/: Directory containing representation files

Representation level information, repeated for each representation
Package (RXP) level information

- `./rxp.xml`  
  METS document describing sender

- `./rxp-digiprov.xml`  
  PREMIS document with package-level provenance

- `./rxp-rights.xml`  
  PREMIS document with package-level rights
Representation level information

Representation level information is repeated for each representation

- `./rxp-rep-1.xml`
- `./rxp-rep-1-digiprov.xml`

- METS document describing representation
- PREMIS document with representation-level provenance
Progress to Date

• Transfer format defined and RXP spec drafted
• Schematron validation for RXP, PREMIS, METS
• Each partner can produce RXP for sample AIPs
• Each partner has ingested RXP from other partners
Inter-Repository Service Agreement

- Presented at iPRES 2010
- Make RXF relatively constrained, put flexibility in IRSA
- Current standards address Producer to Archive (Repository)
- Repository to Repository has additional challenges
For more information:

TIPR: http://wiki.fcla.edu:8000/TIPR

me: pcaplan at ufl.edu