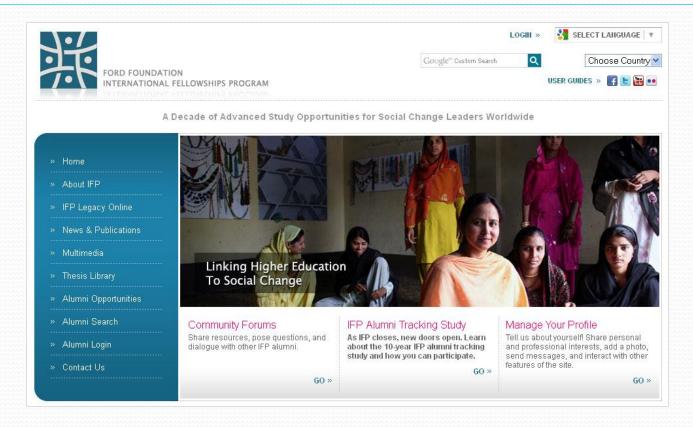
Adding Metadata and Ingesting Large Born-Digital Archives with Archivematica

Dina Sokolova and Jane Gorjevsky Columbia University

Archives of the Ford Foundation International Fellowships Program

- Large-scale project funded by the Ford Foundation grant
- Key goals:
 - Permanently preserve IFP paper and electronic records
 - Provide access to IFP digital archives based on three types of user access:
 - publicly accessible
 - viewable onsite only
 - embargoed until 2075

International Fellowships Program Overview



- Program was active in 2001 2013
- Program offered fellowships for post-graduate study to social justice leaders from underserved communities in Asia, Africa, Latin America, Russia, and the Middle East

Scope of Materials

- 3.6 TB of electronic materials, received from 22 International partner organizations, New York Secretariat and CHEPS (Center for Higher Education Policy Studies):
 - Planning and administrative documents
 - Audiovisual materials
 - Databases
 - Email correspondence
 - Website content
 - Academic and personal records of fellows
 - Surveys, interviews and statistical reports
 - Datasets

Challenges

- About 350,000 files in 245 formats, 10 languages, 7 non-roman character sets
- Filenames and directory paths as the only source of descriptive metadata
- Long filenames/file paths (> 260 characters)
- Multiple languages and non-Roman character sets:

Original:

Đ"Đ¾Ñ€Đ±Đ°Ñ‡ĐμĐ²-ĐĐμ Ñ...Đ¾Ñ‡Ñſ ÑĐ′аĐ²Đ°Ñ,ÑŒÑŪdoc Normalized:

_____- - _____.doc

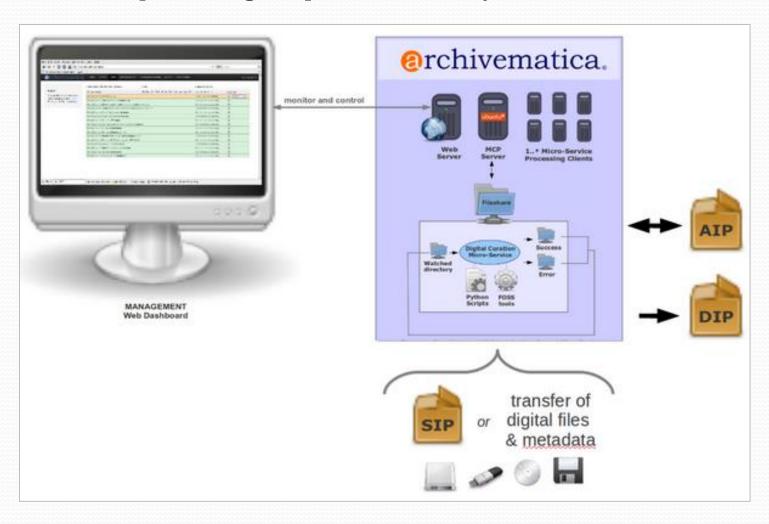
- Appraisal and Selection
- Privacy and confidentiality concerns

Preparing Content for SIPs

- Submission Information Packages (SIPs) for each office are based on access restrictions (Unrestricted, Onsite, Restricted)
- Content preparation:
 - Converting email from multiple formats (eml, mbx, msg, pst, sbd, Pegasus mail) to MBOX
 - Converting Microsoft Access databases to XML format
 - Outsourcing conversion of content of commercially produced video DVDs, audio CDs, and mini DV-tapes to preservation formats
 - Extracting data from ZIP and RAR archives
 - Establishing SIP size

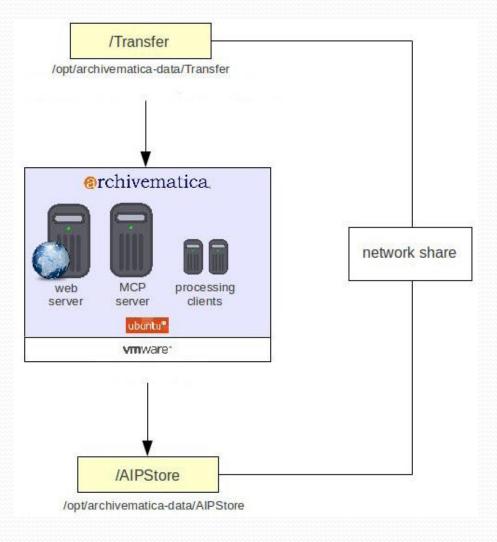
Archivematica

OAIS-compliant digital preservation system



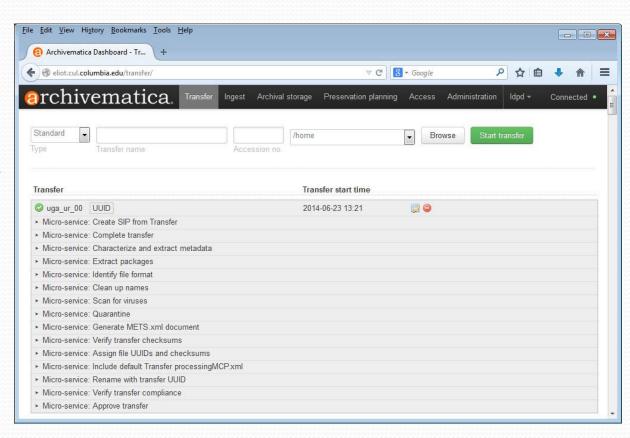
Archivematica at CUL

 Dedicated Ubuntu virtual machine on CUL server with mounted network storage



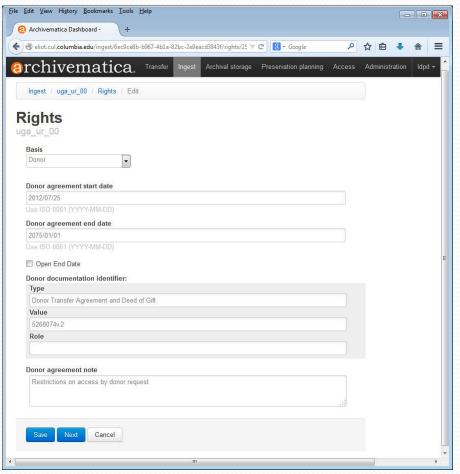
Submission Information Packages

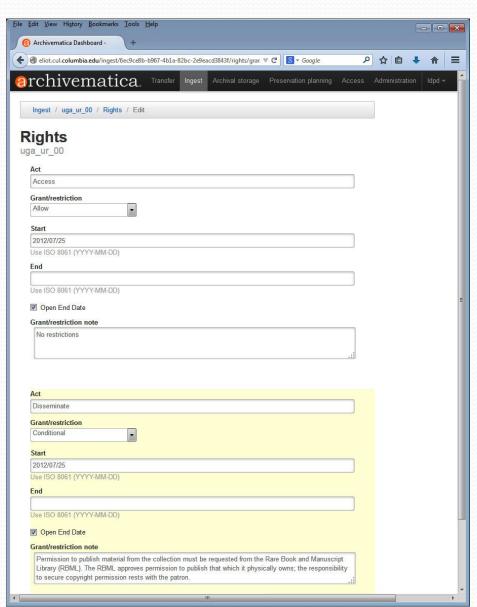
- Assign unique IDs
- Verify content integrity
- Perform virus check
- Clean up filenames
- Perform file format identification
- Extract metadata
- Generate METS.xml file



Rights Metadata

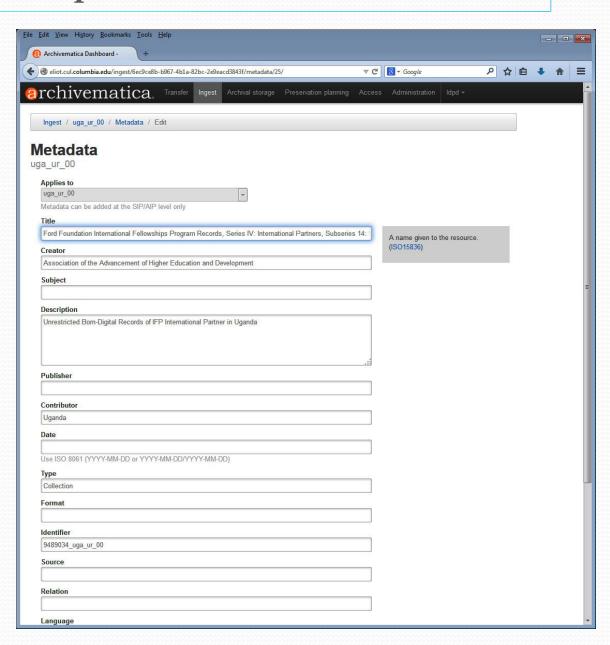
PREMIS rights at the SIP level





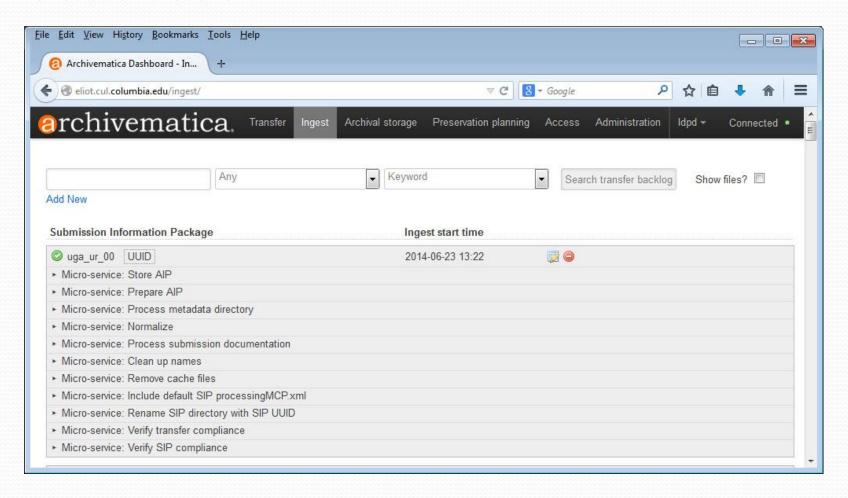
Descriptive Metadata

 Dublin Core metadata at the SIP level



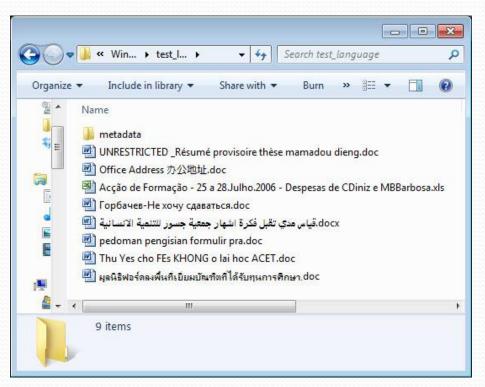
Archival Information Packages

- Normalize objects for preservation
- Populate METS.xml file
- Create and store AIP

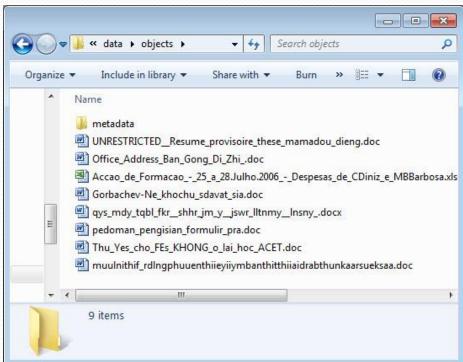


Filename Normalization

Original

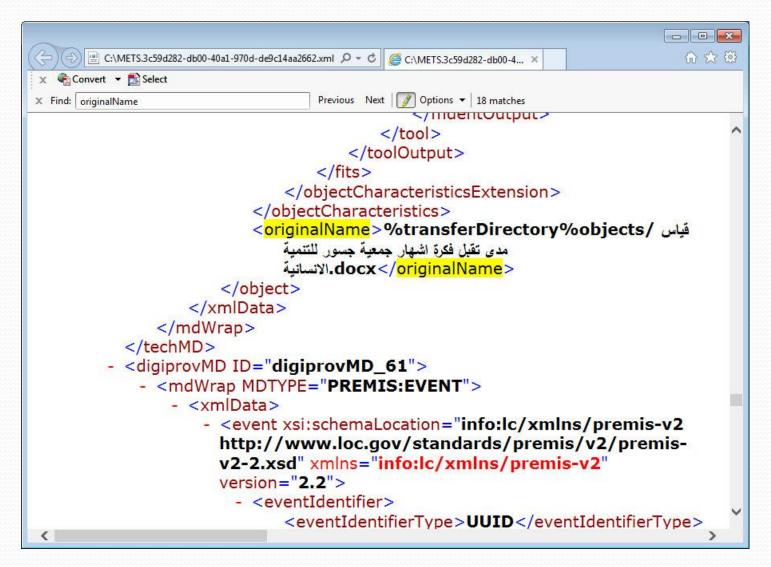


Normalized



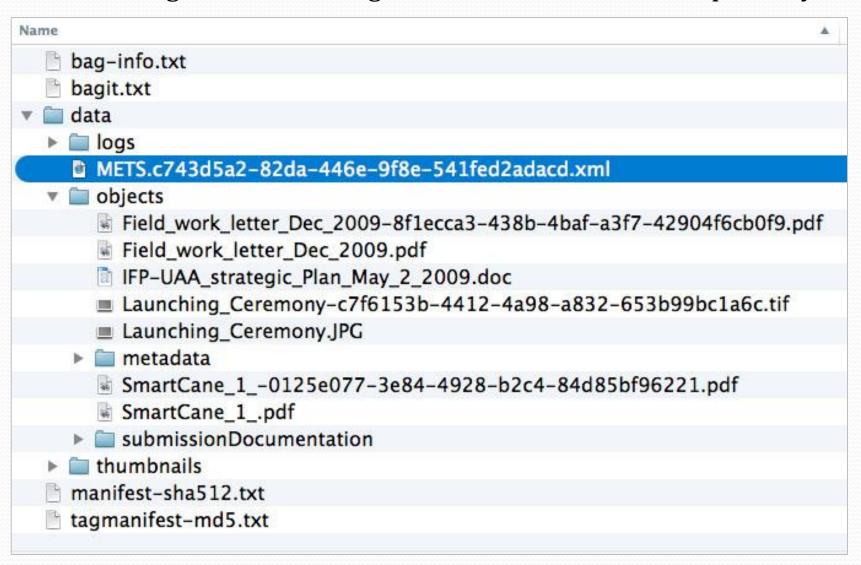
Descriptive Metadata in METS

Original filenames are retained in METS file



Storing AIPs

AIPs in Bagit format are ingested into Preservation Repository



Thank you!

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