Navigating the Born-Digital Wilderness

The Ford International Fellowships Archive
At Columbia University

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Columbia University Libraries

2015 Digital Library Federation Forum

FORD FOUNDATION
INTERNATIONAL FELLOWSHIPS PROGRAM

linking higher education to social change

COLUMBIA UNIVERSITY LIBRARIES
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Ford Foundation International Fellowships Program, 2001-2014

"The Ford Foundation International Fellowships Program (IFP) began with the conviction that social justice is advanced through equitable opportunities for higher education.

Foundation trustees and staff believed that, if given the right tools, socially committed individuals, grassroots leaders and social innovators from disadvantaged communities could succeed in postgraduate studies and would advance social change upon returning home."

2011 Grant to Columbia

- Accession all paper and digital archives from a worldwide organization

- Build an online archive for the born-digital content

- Build out and share capacity for acquiring, processing, preserving and making accessible digital archives

- *Also:* create research fellowships, support external longitudinal study evaluation, etc.

IFP Digital Content

- Content from 21 international partners and Secretariat

- Ongoing content deposits for 10-year program evaluation study

- Ca. 350,000 digital files

- Ca. 250 data file formats

- Content in 10 languages

- Content with 5 non-Roman character sets
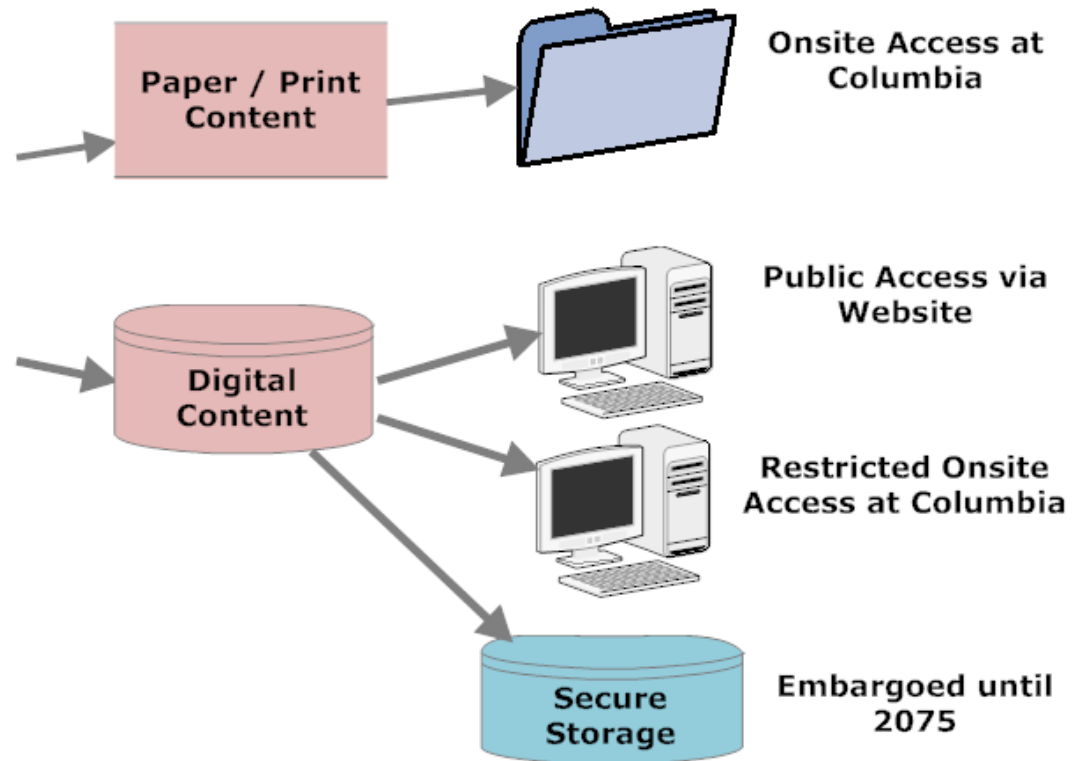
File Formats Received

32, 3gp, a5p, accdb, adb, adp, adx, ai, aif, amr, asf, avi, axd, back, bat, bin, bk, blb, bmp, BridgeSort, btr, bup, cab, cat, cda, cdr, cfg, chm, cnf, cnm, con, css, cst, csv, cxt, d, dat, db, dbf, ddb, ddx, dfont, dir, dll, dmi, doc, doc-MRB, docm, docx, dot, ds_store, dtd, dwz, dxr, edb, edx, emf, eml, emz, eps, exe, F&A, fcp, fff, fh9, fil, flp, flv, fol, frm, gdb, gdx, gif, hdb, hdx, hk4, hlp, hta, htm, html, ico, idx, ifo, inc, indd, inf, info, ini, itc2, itdb, itl, jar, jp2, jpe, jpeg, jpg, js, l, lck, ldb, ldif, lnk, log, m4a, m4v, mbx, mdb, mde, mdi, mdx, mht, mid, mls, mno, mov, mp3, mp4, mpeg, mpg, mpp, msf, msg, msi, mso, msv, mswmm, nri, ocx, odc, odt, ofa, oft, opd, opf, otf, p65, pab, pages, pcx, pdf, php, pif, plist, pm, pm!, pm0, pm5, pmd, pmh, pmi, pmj, pml, pmm, pmo, pmr, pms, pmx, pnc, pnd, png, pns, pnx, pot, pps, ppsx, ppt, pptx, prod, prod1, properties, psd, psp, pst, pub, qpw, qxd, r, ra, ra-att, rar, rdp, rel, rels, rem, rex, rpt, rsc, rtf, sav, sc4, sdb, sdx, sh, shs, snm, spi, spss, spv, spx, sql, svn-base, swa, swf, sys, tdb, tdx, thm, thmx, tif, tiff, tlb, tmp, toc, tpl, ttf, txt, txz, up, url, usr, utf8, vcd, vcf, vdproj, vob, vsd, wav, wbk, webarchive, wks, wma, wmf, wmv, wmz, wpd, wpl, wps, xla, xlk, xls, xlsb, xlsm, xlsx, xlt, xlw, xml, xnk, xps, zip, no extension

IFP Workflow Overview
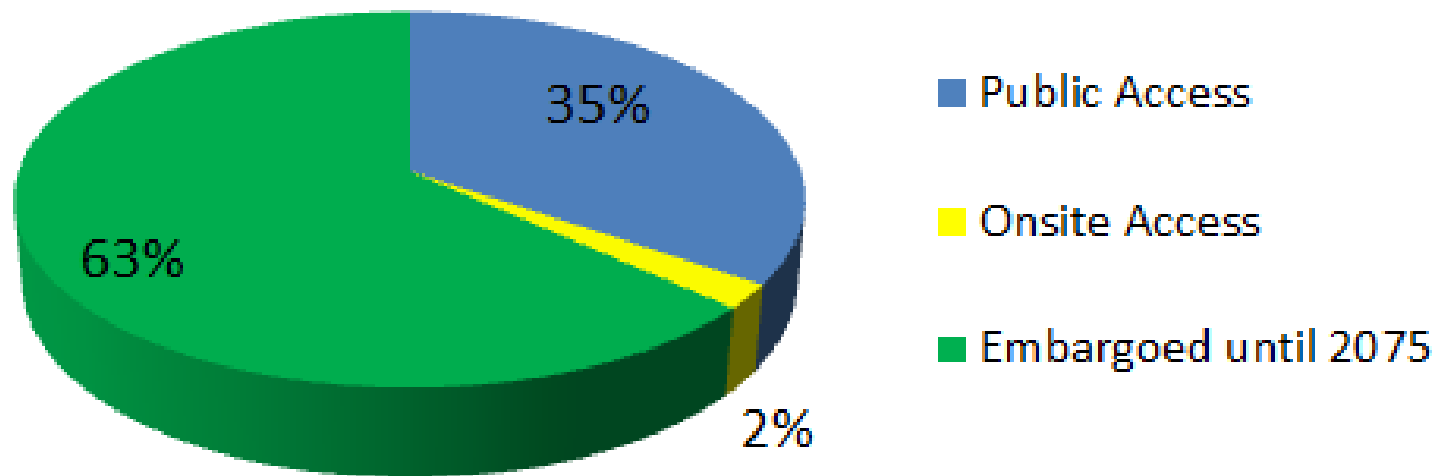

IFP Offices:

Russia
Philippines
Gaza / West Bank
Mozambique
Brazil
Chile and Peru
China
Egypt
Ghana
Guatemala
India
Indonesia
Kenya
Mexico
Nigeria
Senegal
South Africa
Tanzania
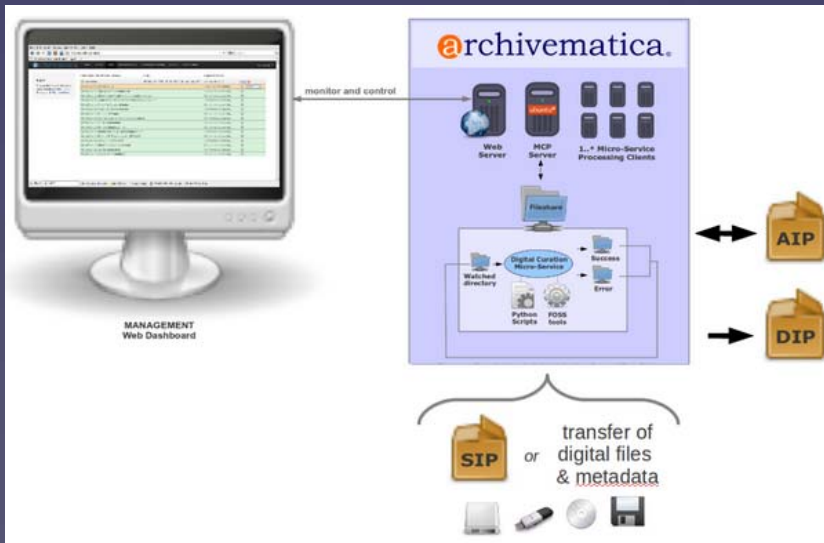Thailand
Uganda
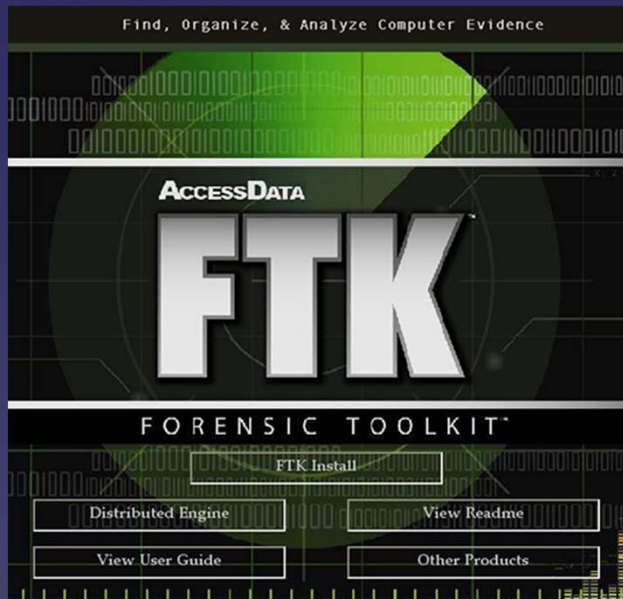Vietnam
NY Secretariat
[+ CHEPS]

Paper / Print Content → Onsite Access at Columbia

Digital Content → Public Access via Website

Digital Content → Restricted Onsite Access at Columbia

Secure Storage — Embargoed until 2075

IFP Content Access

Metadata?

- *No conventional file-level metadata*

- Instead we used the following as surrogate metadata:
  - Office of origin
  - Original file name
  - Original folder path from hard drive
  - File format type (normalized)

"Metadata" Examples

Country: Palestine
Folder path: Recruitment/Guidelines/2006/
File name: IFP Guidelines Arabic 2006.doc
Resource type: Document

Country: Philippines
Folder path: /COMPUTER B (Program Officer)/IFP PHILIPPINES SLIDE
PRESENTATIONS/Bali Presentations/
File name: Indonesia (Needs Assessment).ppt
Resource type: Presentation/Slideshow

Country: South Africa
Folder path: /
File name: 0033.JPG
Resource type: Image

The Ford IFP Archive website…

ABOUT IFP

The IFP program began in November 2000 with four pilot sites. In Asia, the program was initiated in Vietnam. In Africa, the first competition was held in West Africa (Ghana, Nigeria and Senegal). In Latin America, IFP began in the Andean Region as Southern Cone (Chile and Peru). Russia was the final pilot site. The first 96 Fellows from these countries were named in 2001. In February 2002, 173 new Fellows from the pilot site countries and from India, China, Kenya, Tanzania, Uganda, Mexico and Guatemala were announced. During 2002, the program expanded to seven additional countries and territories: Brazil, Egypt, Indonesia, Mozambique, Palestine, Philippines and South Africa. For the selections in 2003, the program expanded to Thailand.

Learn More »

ABOUT THE COLLECTION

The archives cover the issues of social justice, community development, and access to higher education, and include paper and digital documentation and audiovisual materials on the more than 4,300 IFP Fellows as well as comprehensive planning and administrative files of the program.

COLLECTION GUIDE (FINDING AID)
Link to IFP Collection Guide

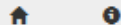ARCHIVED IFP WEBSITES
IFP Web Archive

IFP COMMUNITY AND RESEARCH
IFP Legacy Website
IFP Alumni Tracking Study

IFP COUNTRIES

Brazil   Chile   China   Egypt   Ghana

Guatemala   India   Indonesia   Kenya   Mexico

Mozambique   Nigeria   Palestine   Peru   Philippines

Russia   Senegal   South Africa   Tanzania   Thailand

Uganda   Vietnam

Secretariat

FORD FOUNDATION INTERNATIONAL FELLOWSHIPS PROGRAM ARCHIVE

Start a new search...   🔍

🏠   ℹ️   IFP Countries ▾

Palestine

The America-Mideast Educational and Training Services (AMIDEAST), Cairo - a leading American non-profit organization engaged in international education, training and development activities in the Middle East and North Africa - was the Ford IFP International Partner in the Middle East, responsible for the programs in Egypt and Palestine. The Palestinian arm of the program initially maintained two local offices for West Bank and Gaza Strip, which later merged into a single office and closed down in Nov 2012. 149 Palestinian men and women were selected as IFP Fellows. The IFP Fellows from Palestine included women activists, village council members, representatives of charitable organizations, refugee camp committees, and grassroot NGOs. Four out of five IFP Fellows received funding for master's degree programs, the remainder for Ph.D programs, at universities around the world. AMIDEAST also supports the work of Palestine Chapter of the International Fellowships Program Alumni Association (IFPAA).

The Palestinian Office shipped 5 linear feet of paper records to the archives in October 2012. Digital materials were received in January 2013. 115 Fellows consented to give researchers access to their files. The materials in English and Arabic include administrative program files, fellow files, audiovisual materials and archived AMIDEAST website.

Archival video from the collection

BROWSE DIGITAL MATERIALS
  Browse Palestine Records
COLLECTION GUIDE (FINDING AID)
  Link to series IV.13
ARCHIVED IFP WEBSITES
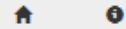 IFP Web Archive - Palestine
IFP COMMUNITY
  ▪ IFP Legacy Website - Palestine
  ▪ AMIDEAST

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FORD FOUNDATION INTERNATIONAL FELLOWSHIPS PROGRAM ARCHIVE

Start a new search...   🔍

🏠   ℹ️   IFP Countries ▾

Palestine

Name	Size
📁 Focus Groups	11 items
📁 PAT and Placement	39 items
📁 Pre Departure Orientation	1 items
📁 Recruitment	7 items
📁 Reentry	2 items

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FORD FOUNDATION INTERNATIONAL FELLOWSHIPS PROGRAM ARCHIVE

social justice   ✕   🔍
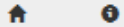
🏠   ℹ️   IFP Countries ▾

◀◀ | 1 - 20 of 614 | ← | →   ⇅ ▾   ↕ 20 ▾

Relevance ✔
Title
Office

Refine Your Search

Showing results for: social justice ✕

OFFICE   ⌄

› Ghana	152
› South Africa	115
› Thailand	81
› Tanzania	75
› Senegal	74
› Palestine	71
› Kenya	37
› Uganda	5
› Chile and Peru	4

RESOURCE TYPE   ⌄

› Documents	529
› Presentation/Slideshow	53
› Spreadsheet	27
› Structured Text/Data	4
› Html	1

1. LEADERSHIP FOR SOCIAL JUSTICE INSTITUTE.ppt · 4 MB

Office: Thailand
Folder Path: /Orientation and Needs Assessment Workshop/2006 Skills Assessment

...Orientation and Needs Assessment Workshop 2006 Skills Assessment LEADERSHIP FOR SOCIAL JUSTICE INSTITUTE.ppt...LEADERSHIP FOR SOCIAL JUSTICE INSTITUTE.ppt...

2. Program Files/Pre-departure activities/Materials from Pre departure Orientation/Social Justice slide show.pdf · 897 KB

Office: Kenya
Folder Path: /Program Files/Pre-departure activities/Materials from Pre departure Orientation

...Program Files Pre-departure activities Materials from Pre departure Orientation Social Justice slide show.pdf...Program Files/Pre-departure activities/Materials from Pre departure Orientation/Social Justice slide show.pdf...

3. Program Files/Pre-departure activities/Materials from Pre departure Orientation/The African Debate on Social Justice- Bonus.pdf · 167 KB

Office: Kenya
Folder Path: /Program Files/Pre-departure activities/Materials from Pre departure Orientation

...Program Files Pre-departure activities Materials from Pre departure Orientation The African Debate on Social Justice - Bonus.pdf...Program Files/Pre-departure activities/Materials from Pre departure Orientation/The African Debate on Social Justice - Bonus.pdf...

Lessons Learned from the Ford IFP Archive Project

- Survey the born-digital content before acquiring it
- Plan in advance for dealing with confidential content, personally identifiable information (PID), copyright and related issues
- If possible, arrange with original content owners how content should be organized before delivery
- Assume that there will be unexpected data types and conditions
- Try to use (and help develop) 'best practices'

Technology strategies ...

Goals of the Ford IFP Web Interface

- Build on well-established digital preservation practices

- Make content available on our general repository platform

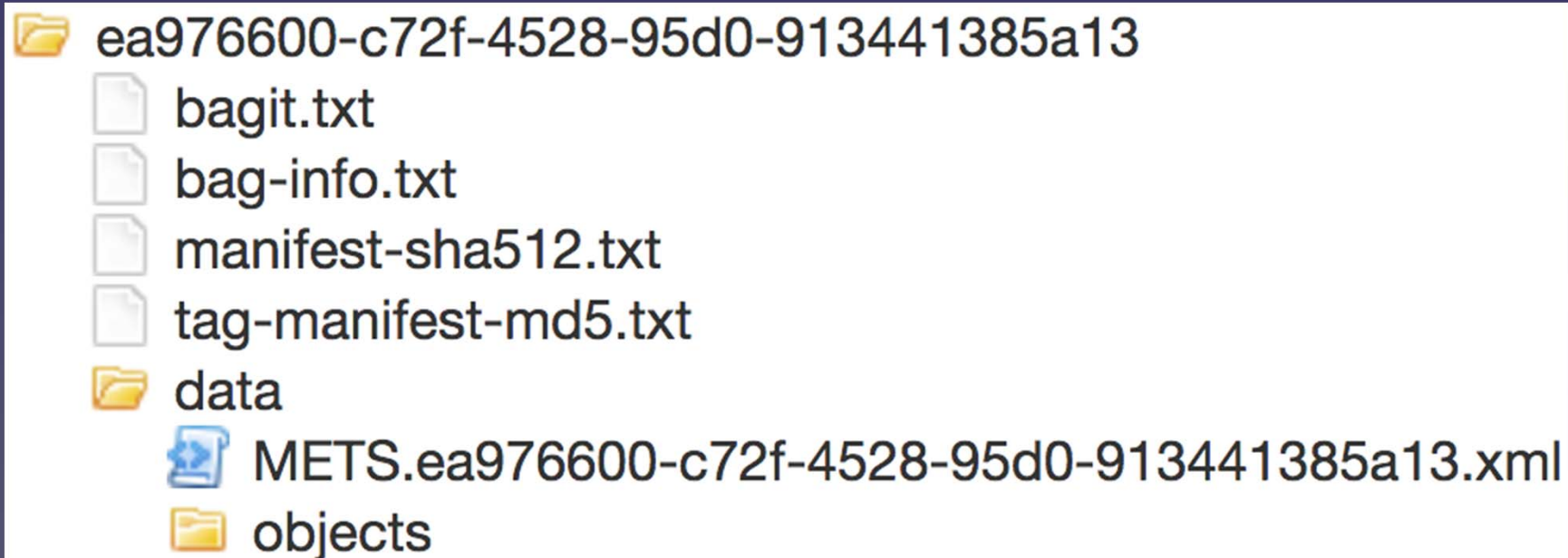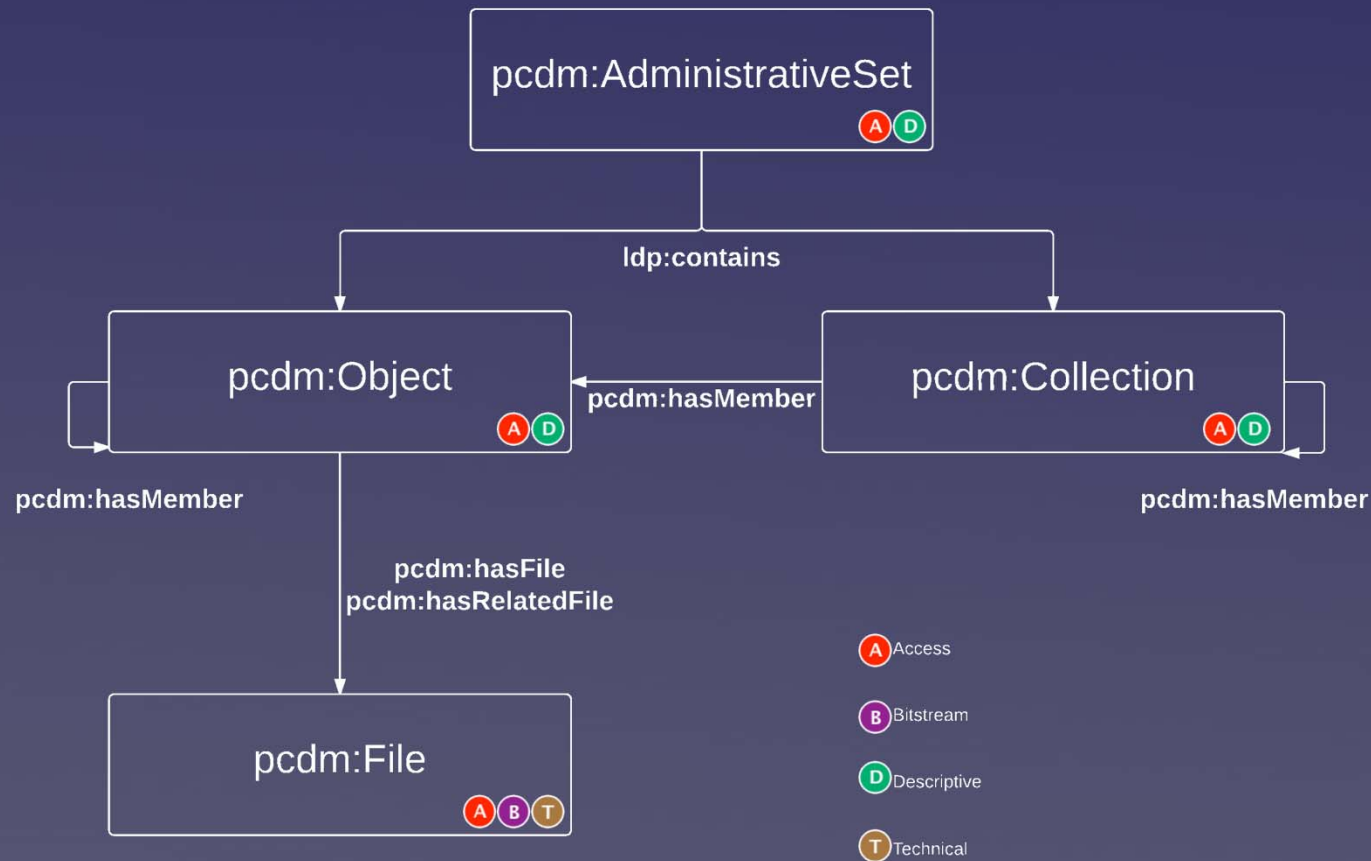- Provide a familiar interface for browsing the content

Or to Paraphrase…

- Reconstruct the submitted disk images
- From Archivematica AIPs
- In Fedora (3.x)
- Accessed via Hydra web apps

Archivematica produces BagIt Archives with a difference

The Portland Common Data Model for Repository Content
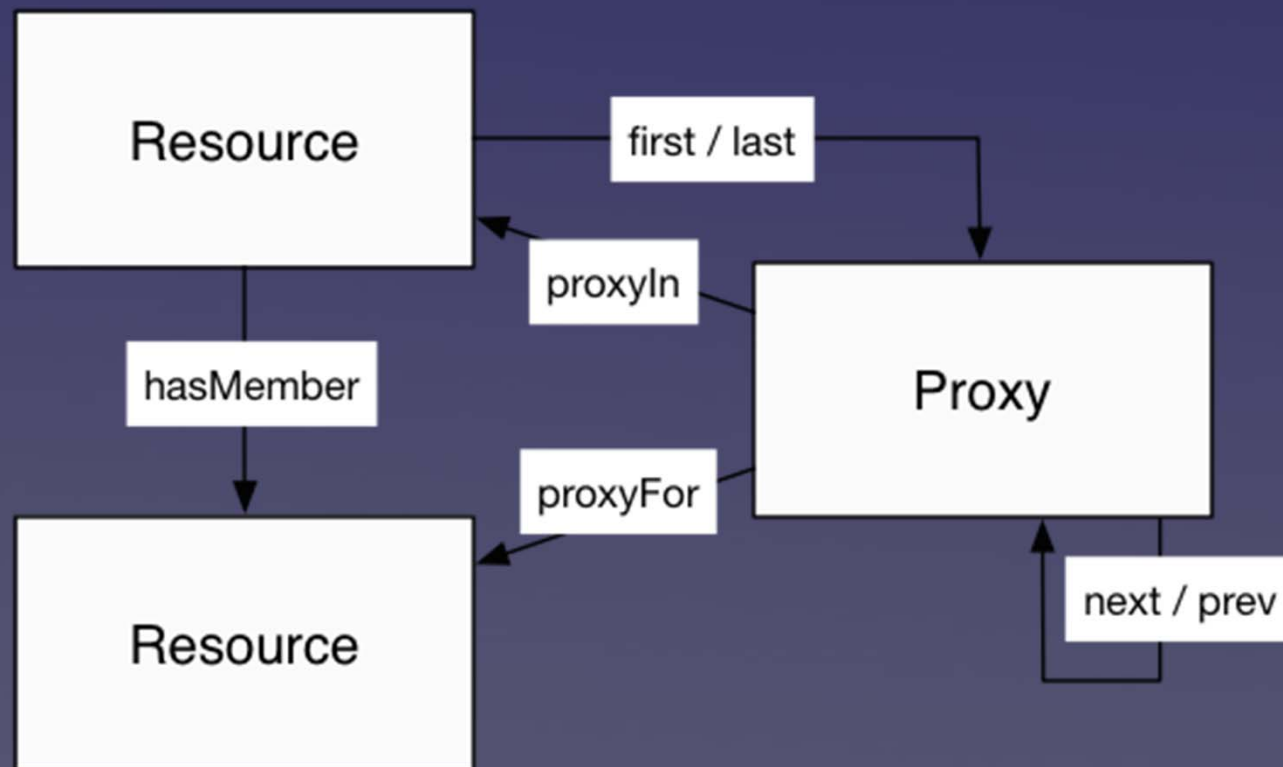
Mapping Archivematica/BagIt to PCDM

BagIt Data	PCDM/Repository Target
The archive	AdministrativeSet
bag-info.txt	Collection (description)
Manifest & METS	Collection (structure)
Data/objects	FileSets (Object subclass)

Making the Structure Navigable
## PCDM Recommends ORE Proxies for List Structure

… but we don't think of a file system like a linked list

📁 All Content » 📁 Contextual Background Materials » 📁 Photos, video » 📁 Images of IFP

Name	Size
📄 Alumni.doc ℹ	1 MB
📄 Fellow Quotes_1A, 1B, 2003.doc ℹ	64 KB
📄 From Doan T Tuyen.doc ℹ	24 KB
📄 From My Phuong - Fruit Basket.doc ℹ	25 KB
📄 From Tuan Anh.doc ℹ	26 KB
📄 Hoa Sung-NVTung 041108.doc ℹ	31 KB
🌐 NPToai Comments on return.htm ℹ	3 KB
📄 Ngon nui-N Viet Tung 0411181.doc ℹ	27 KB
📁 Poems by Fellows	1 items

Don't worry! There's an ontology for that.

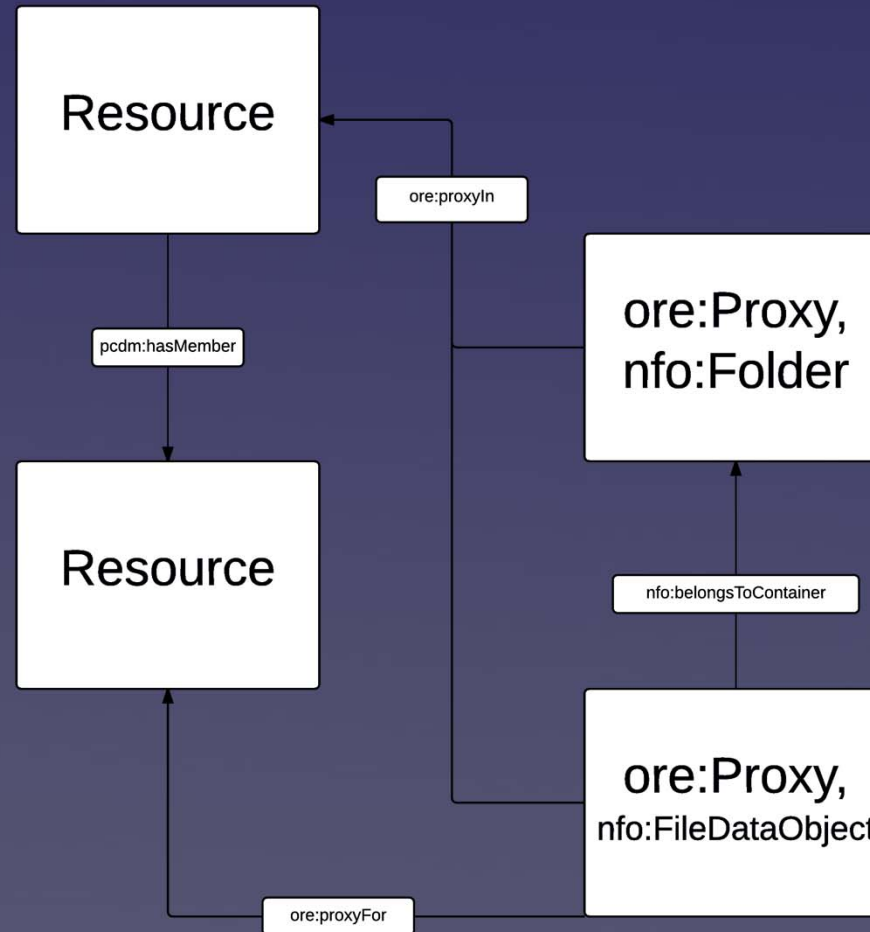The Social Semantic Desktop
NEPOMUK
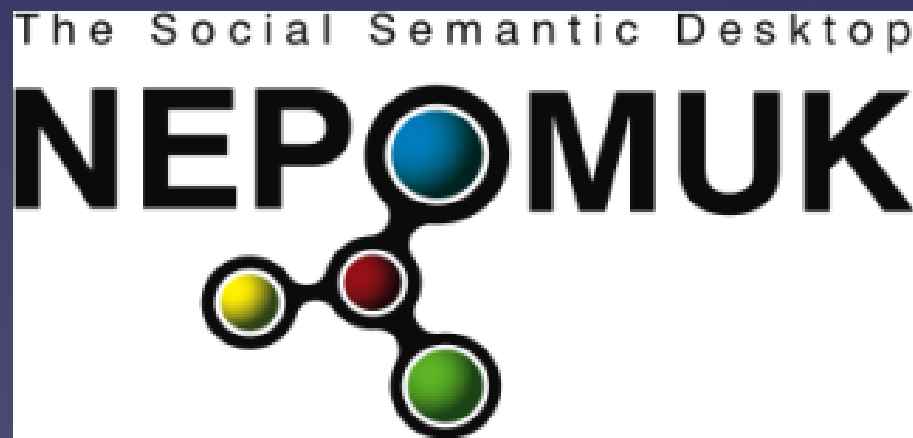
belongsToContainer

Type	rdf:Property, rdfs:Resource
Domain	nie:DataObject
Range	nfo:DataContainer
Superproperties	dcterms:isPartOf, nie:isPartOf
Subproperties	--
Description	Models the containment relations between Files and Folders (or CompressedFiles).

ORE + NEPOMUK
An Alternate Ordering Construction

Describing Files for Discovery
Leveraging External & Collaboratively Authored Vocabularies

- dc:type – file type genre
  - Cross-referencing UDFR, PRONOM, Getty, SKOS into a PCDM vocabulary for file types
  - http://pcdm.org/file-format-types#
  - https://github.com/duraspace/pcdm/blob/master/pcdm-ext/file-format-types.rdf

Benefits of Common Practices and Shared Modeling

- A practice for separately linkable contexts (eg file folders)

- A common practice for describing file categories, articulated in a number of frequently used vocabularies

- Well-documented, shareable modeling practices

Thank you!

- IFP Website:
  https://dlc.library.columbia.edu/ifp

- IFP Project Page:
  https://library.columbia.edu/bts/ford-ifp.html