

Building Collections Using Greenstone

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Digital Library Development Center

University of Chicago Library

[http://www.lib.uchicago.edu/dldc/
talks/2003/dlf-greenstone/](http://www.lib.uchicago.edu/dldc/talks/2003/dlf-greenstone/)

Greenstone

New Zealand Digital Library Project at the University of Waikato

- In cooperation with UNESCO, Human Info NGO

International, every continent

Examples:

- Academic
 - Digitization projects
 - Classes on digital libraries
- Non-academic
 - UNESCO humanitarian documentation



Greenstone features

- Works with existing documents
 - Imports several formats
- Searching: full text and metadata
 - Dublin Core, custom metadata
- Browse
- Structured documents
 - Indexing, access
- Extensible & customizable
- OpenSource software (GPL)

User Interface overview

- Finding documents
 - Search full text and metadata indexes
 - Classifiers: browse lists for navigating collections
- Navigating documents
 - Navigate hierarchical documents by logical structure
 - Simple page turning (not shown)
 - Single page for simple documents (not shown)

Virtual Disaster Library

 Pan American Health Organization
PAHO/OPS
Organización Panamericana de la Salud

HOME HELP PREFERENCES

about

search titles a-z subjects organisations

Search for which contain of the words

About this collection


The Virtual Disaster Library was developed in November 1999, by PAHO/WHO (Pan American Health Organization / Regional Office of the World Health Organization). It contains 250 publications (25,000 pages) of experiences, ideas and solutions to advance the cause of disaster reduction.

How to find information in the Virtual Disaster Library collection

There are 4 ways to find information in this collection:

- search for particular words
- access publications by title
- access publications by subject
- access publications by organization

Virtual Disaster Library

 Pan American Health Organization
PAHO/OPS
Organización Panamericana de la Salud

HOME HELP PREFERENCES

about

search titles a-z subjects organisations

Search for which contain of the words

- section titles
- ✓ chapters
- paragraphs
- book titles

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- access publications by title
- access publications by subject

results 1 - 20 for query: purify drinking water



Pan American Health Organization
PAHO/OPS
Organización Panamericana de la Salud

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search

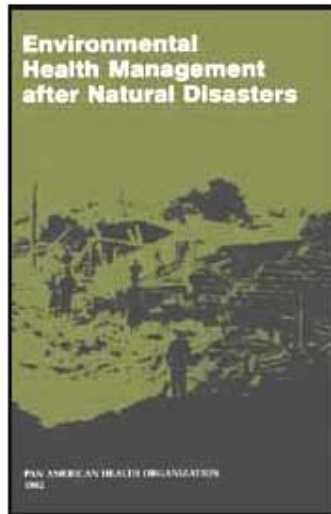
search titles a-z subjects organisations

Search for which contain of the words

results

Word count: purify: 1, drinking: 301, water: 2358
39 documents matched the query.

-  Disasters Preparedness and Mitigation - Issue No. 73 - July, 1998 (PAHO):
Review of publications:[Rural drinking water systems](#)
-  [Natural Disaster Mitigation in Drinking Water and Sewerage Systems -
Guidelines for Vulnerability Analysis \(PAHO\)](#)
-  Environmental Health Management after Natural Disasters (PAHO): Part II: The
management of disaster-created environmental health conditions: Chapter 3:
Phase two: Measures taken during disaster and in the aftermath: Immediate
postdisaster emergency period:[Water supply](#)
-  Natural Disaster Mitigation in Drinking Water and Sewerage Systems -
Guidelines for Vulnerability Analysis (PAHO): Chapter 3. Natural Hazards and
Their Impact on Water Systems: Characteristics of Hazards and Their Effects:
Droughts:[Damage Caused by Droughts](#)
-  Health Services Organization in the Event of Disaster (PAHO): Chapter 5:



EXPAND
TEXT

EXPAND
CONTENTS

DETACH

NO HIGH-
LIGHTING



Environmental Health Management after Natural Disasters (PAHO)



Part II: The management of disaster-created environmental health conditions



Chapter 3: Phase two: Measures taken during disaster and in the aftermath



Immediate postdisaster emergency period



(introductory text...)



Water supply



Environmental sanitation



Shelter



Food sanitation



Vector control



Personal hygiene




General public information

Water supply

Drinking water, the most essential item provided to disaster-stricken populations, is both indispensable to the support of life and a major medium of disease transmission. Thus, although

Virtual Disaster Library

 Pan American Health Organization
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Search for which contain of the words

Begin Search

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How to find information in the Virtual Disaster Library collection

There are 4 ways to find information in this collection:

- search for particular words
- access publications by title
- access publications by subject
- access publications by organization

Go to "http://www.sadl.uleth.ca/nz/cgi-bin/library?e=p...en-50---20-about---00001-001-1-0utfZz-8-00&a=d&cl=CL2"





Subjects



HOME HELP PREFERENCES

subjects

search

titles a-z


subjects

organisations

 ESPAÑOL

 ENGLISH


Subjects

















 Pan American Health Organization
PAHO/OPS
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subjects

search titles a-z subjects organisations

 **ENGLISH**

-  ACCIDENTS
-  ASSESSMENT
-  BIOLOGICAL CONTROL OF VECTORS
-  CARIBBEAN
-  CITIES AT RISK
-  CITY PLANNING
-  COMMUNICABLE DISEASE CONTROL
-  COMMUNITY PARTICIPATION
-  DISASTER EDUCATION
-  DISASTER MITIGATION
-  DISASTER PLANNING
-  DISASTER PREPAREDNESS
-  DISASTER PREVENTION
-  DISASTER RESPONSE
-  DOMINICA
-  DRINKING WATER





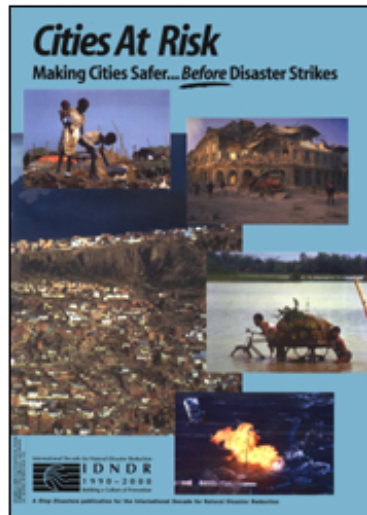
subjects

[search](#) [titles a-z](#) [subjects](#) [organisations](#)

 ENGLISH

 CITY PLANNING

-  Cities At Risk - Making Cities Safer ... Before Disaster Strikes (IDNDR)
-  UN-IDNDR and QUIPUNET Internet Conference - Solutions for Cities at Risk - International Decade for Natural Disaster Reduction (IDNDR)



Cities At Risk - Making Cities Safer ... Before Disaster Strikes (IDNDR)



(introductory text...)



Foreword



Part One: Why Focus on Disasters in
Cities?



Part Two: What Is Being Done?



Part Three: Where Do We Go From
Here?

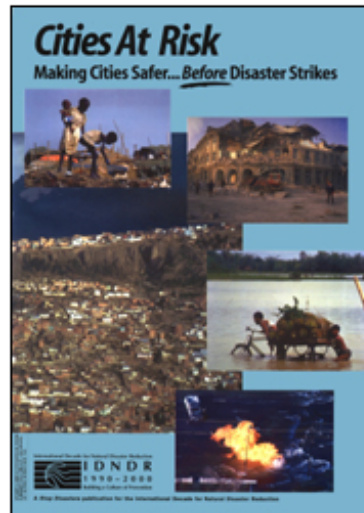
EXPAND
TEXT

EXPAND
CONTENTS

DETACH

NO HIGH-
LIGHTING





EXPAND
TEXT

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CONTENTS

DETACH

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Cities At Risk - Making Cities Safer ... Before
Disaster Strikes (IDNR)



**Part Three: Where Do We Go From
Here?**



(introductory text...)



Making Cities Safer ... before disaster
strikes



Contacts on Urbanization and
Disasters



References



About the International Decade for
Natural Disaster Reduction





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TEXT

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Cities At Risk - Making Cities Safer ... Before Disaster Strikes (IDNR)



Part Three: Where Do We Go From Here?



(introductory text...)



Making Cities Safer ... before disaster strikes



Contacts on Urbanization and Disasters



References



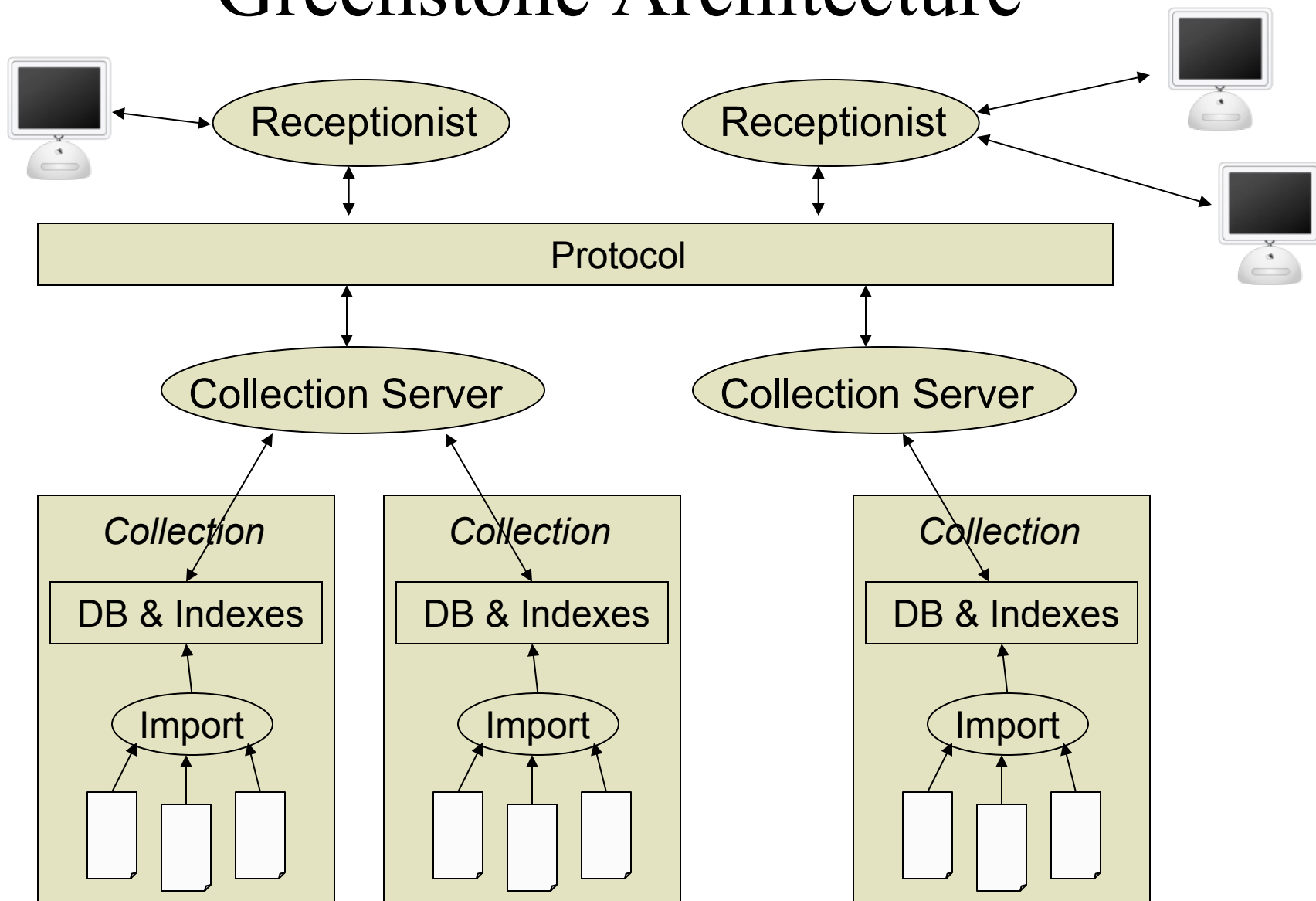
About the International Decade for Natural Disaster Reduction

(introductory text...)

Policies for Safer Cities

Reducing the impact of disasters in urban areas is not something that will happen overnight, nor even within the time span of the International Decade for Natural, Disaster Reduction

Greenstone Architecture



Greenstone Architecture

Receptionist

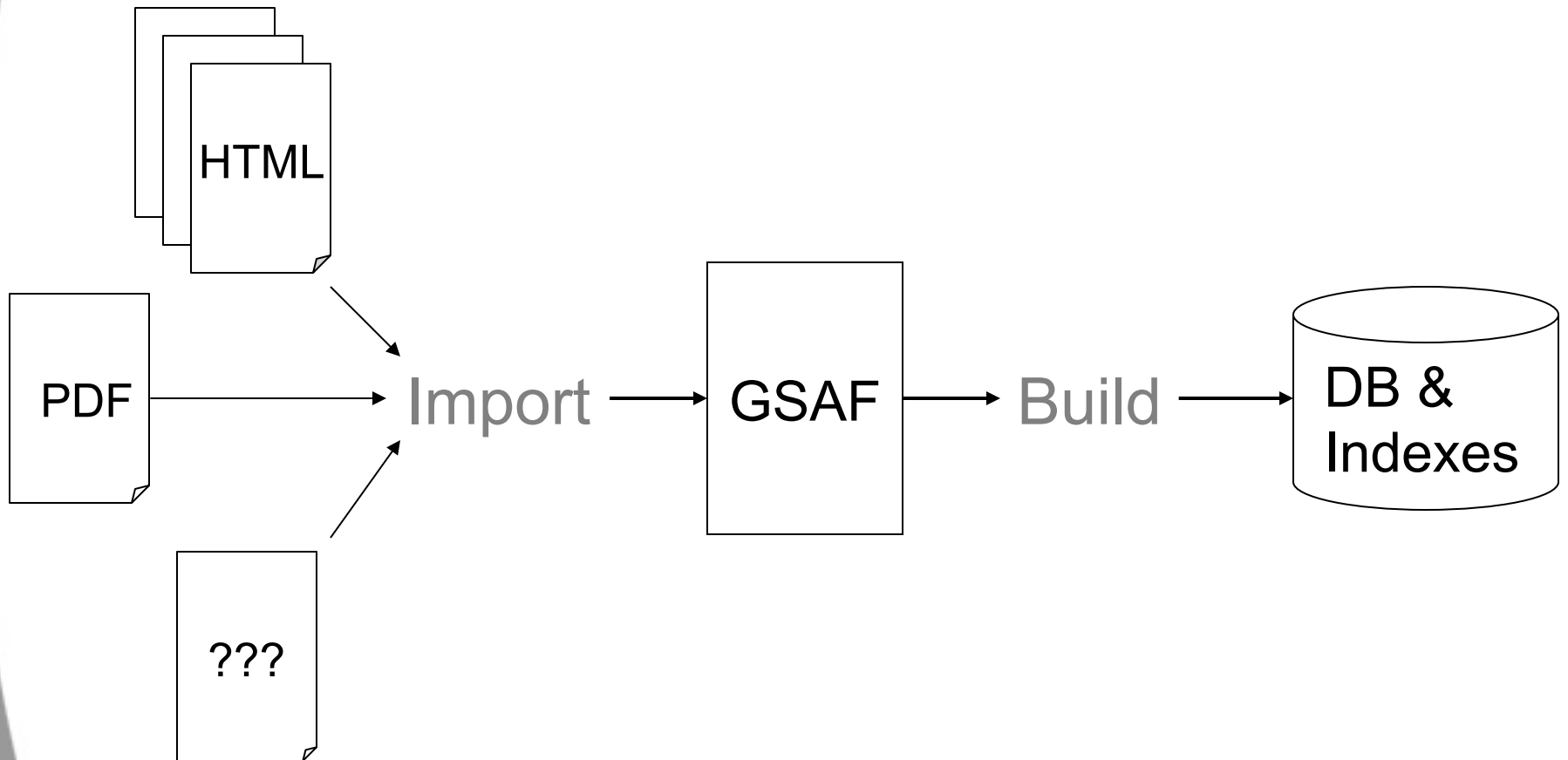
- Provides user interface
- Accept user input
- Send to appropriate collection server
- Accept results
- Dynamic page generation

Collection Server

- Handle collection content
- Search and filter information
- Return results
- multiple collections



Building Collections



Building collections

- Create a collection framework
 - or work with an old collection
- Select documents
- Import documents
 - Converts to internal XML format (GSAF)
- Build collection
 - creates search indexes and browse listings



GSAF: internal XML format

```
<Section>  
  <Description>  
    <Metadata name="Title" value="...">  
  <Content>  
    [Text, images, links, etc.]  
  <Section>  
    <Description>  
      <Metadata name="Title" ...>  
    <Content>...  
    <Section>...  
  <Section>...  
<Section>...
```

GSAF: internal XML format

Section:

- Description
 - Metadata fields
- Content
 - Text, internal markup, images
- Section
 - No limit in number or depth

Hierarchical documents

Sections nest, tree structure

Config file: collect.cfg

Collection-specific configuration file, collect.cfg, specifies:

- file types to import
- Indexes and browse lists
 - Document or section level
 - paragraph (text index only)
- display of results and browse listings
- document displays



Pictures of Places

HOME HELP PREFERENCES

about

pictures of the world

search titles places films dates

Search for which contain of the words

About this collection

This collection contains 933 photographs by Gordon Paynter.

How to find information in the Pictures of Places collection

There are 5 ways to find information in this collection:

- search for particular words
- access publications by title
- access publications by place occurrence
- access publications by virtual film
- access publications by date

You can search for particular words that appear in the text from the "search" page

Go to "http://tuatara.ucr.edu/gsd-bin/library?e=p-000-00...l--1-en-50---20-about---001-001-1-0utfZz-8-0&a=d&cl=CL2"




Places

HOME HELP PREFERENCES


places

pictures of the world

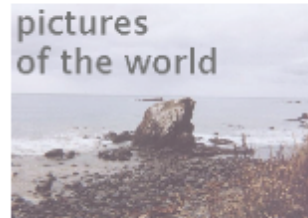


search titles **places** films dates

 [Italy \(Italia\)](#) (161)

-  [Rome \(Roma\)](#) (30)
-  [Cinque Terre](#) (73)
-  [Pisa](#) (3)
-  [Florence \(Firenze\)](#) (29)
-  [Venice \(Venezia\)](#) (26)

Go to "http://tuatara.ucr.edu/gsdlib-bin/library?e=d-000-00-...0-about---001-001-1-0utfZz-8-0&a=d&c=pictures&cl=CL2.4.3"



places

- search
- titles
- places
- films
- dates

[Italy \(Italia\)](#) (161)

[Rome \(Roma\)](#) (30)



[The Trevi Fountain](#)
[Rome](#)
 1200x1800 pixels

5 May
2002



[The Trevi Fountain](#)
[Rome](#)
 1800x1200 pixels

5 May
2002



[The Pantheon, Rome](#)
[Rome](#)
 1800x1200 pixels

5 May
2002



The Trevi Fountain

search

titles

places

films

dates

HOME HELP PREFERENCES

The Trevi Fountain

Photographer: Gordon Paynter

Copyright Gordon Paynter

Location: [Rome](#)

Date: 5 May 2002

Size: 1800x1200 pixels



Chopin Early Editions

Over 400 early edition Chopin scores
1830' s to 1880' s

Target audience: music scholars & musicians.

On web, page-turnable JPEG images.

Online in March 2003

Currently 372 scores in online collection

Usage:

Nearly 100 hits per day, > 30% of use is international.



Chopin Early Editions

http://chopin.lib.uchicago.edu/

The University of Chicago
LIBRARY



search titles uniform titles genres dedicatees


The University of Chicago Library is home to a distinguished collection of over 400 first and early printed editions of musical compositions by Frédéric Chopin. These editions are of particular interest to Chopin scholars and bibliographers because Chopin's works were often published concurrently in several countries with variant texts. Early re-printings were issued using the same plates, causing difficulties identifying first and subsequent impressions. Scholars can establish a sequence of publication by comparing a range of printings. The collection at the University of Chicago, maintained in the [Special Collections Research Center](#), contains evidence that contributes to an understanding of the printing and publishing history of Chopin's works.

When completed, the Chopin Early Editions online collection will consist of digitized images of all scores in the University of Chicago Library's Chopin collection. As of February 2003, over a third of the collection is available for viewing online. Users can search or browse the Chopin Early Editions collection via a variety of data points, including titles, genres, plate numbers, publishers and place of publication. Access to individual scores in the digital collection is also available through records in the [Library's catalog](#) with links to this Web site. The scanned images of all pages of the scores provide scholars, bibliographers, collectors,

Genre



















http://chopin.lib.uchicago.edu/gsd/cgi-bin/library?c=chopin&a=d&cl=CL3&m=-1&o=50

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Chopin | Early Editions 

HELP PREFERENCES
genres

search titles uniform titles genres **dedicatees**


-  [Ballades](#), (16 scores)
-  [Barcarolle](#), (2 scores)
-  [Berceuse](#), (6 scores)
-  [Bolero](#), (5 scores)
-  [Concertos](#), (16 scores)
-  [Etudes](#), (16 scores)
-  [Ecossaies](#), (2 scores)
-  [Fantasia](#), (6 scores)
-  [Mazurkas](#), (65 scores)
-  [Nocturnes](#), (40 scores)
-  [Polonaises](#), (40 scores)
-  [Preludes](#), (11 scores)
-  [Rondos](#), (20 scores)
-  [Scherzos](#), (17 scores)
-  [Sonatas](#), (20 scores)
-  [Tarantella](#), (3 scores)
-  [Trio](#), (2 scores)
-  [Waltzes](#), (54 scores)

Go to "http://chopin.lib.uchicago.edu/"

Genre


http://chopin.lib.uchicago.edu/gsd/cgi-bin/library?e=d-000-00---0chopin--00-0-0-0prompt-10---4---D








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Chopin | Early Editions 

HELP PREFERENCES
genres

search titles uniform titles **genres** dedicatees


 [Nocturnes](#), (38 scores)

-  [13e. et 14e. nocturne pour piano, op. 48 /](#)
Paris (Rue Richelieu, 97) : Chez Maurice Schlesinger ; [1841]
Nocturnes, piano, op. 48. No. 1
-  [13e. et 14e. nocturne pour piano, op. 48 /](#)
Paris : Chez Maurice Schlesinger (Rue Richelieu, 97) ; [1841]
Nocturnes, piano, op. 48. No. 2
-  [13e. et 14e. nocturne pour piano, op. 48 /](#)
Paris (Rue Richelieu, 97) : Chez Maurice Schlesinger ; [1841]
Nocturnes, piano, op. 48. No. 1
-  [15me. & 16me. nocturno /](#)
London (No. 229, Regent Street, corner of Hanover Street) : Wessel & Co., importers and
publishers of foreign music, [between 1848 and 1856]
Nocturnes, piano, op. 55
-  [2 nocturnes pour le piano, op. 55 /](#)
Paris : Chez Mce. Schlesinger ; [1844]
Nocturnes, piano, op. 55
-  [2 nocturnes pour piano, op. 62 /](#)
Paris : Maison Mce. Schlesinger :
Nocturnes, piano, op. 62
-  [3 nocturnes pour le piano, op. 9 /](#)

15me. & 16me. nocturno /

<http://chopin.lib.uchicago.edu/gsd/cgi-bin/library?e=d-000-00---0chopin--00-0-0-0prompt-10---4---D>

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Chopin Early Editions 


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[search](#) [titles](#) [uniform titles](#) [genres](#) [dedicatees](#)

15me. & 16me. nocturno /

[view score](#) [bibliographic description](#)

UniformTitle: Nocturnes, piano, op. 55
Title: 15me. & 16me. nocturno /
Title: Quinzième et seizième nocturno
Composer: Chopin, Frédéric, 1810-1849
Dedicatee: Stirling, Jane Wilhelmina
Publication Info.: London (No. 229, Regent Street, corner of Hanover Street) :Wessel & Co., importers and publishers of foreign music,[between 1848 and 1856]
Description: 10 p. of music ; 33 cm.
Notes: [composé par Frederic Chopin].
Title from list t.p.
"Dédié à Mademoiselle J.W. Stirling"--Caption.
Also available on the Internet.
Subject: Piano music
Plate No.: W & Co. No. 5308
Plate No.: 5308
URI: <http://pi.lib.uchicago.edu/1001/dig/chopin/108>
Call No.: M25 .G54 .N014

Chopin Early Editions 

HELP PREFERENCES

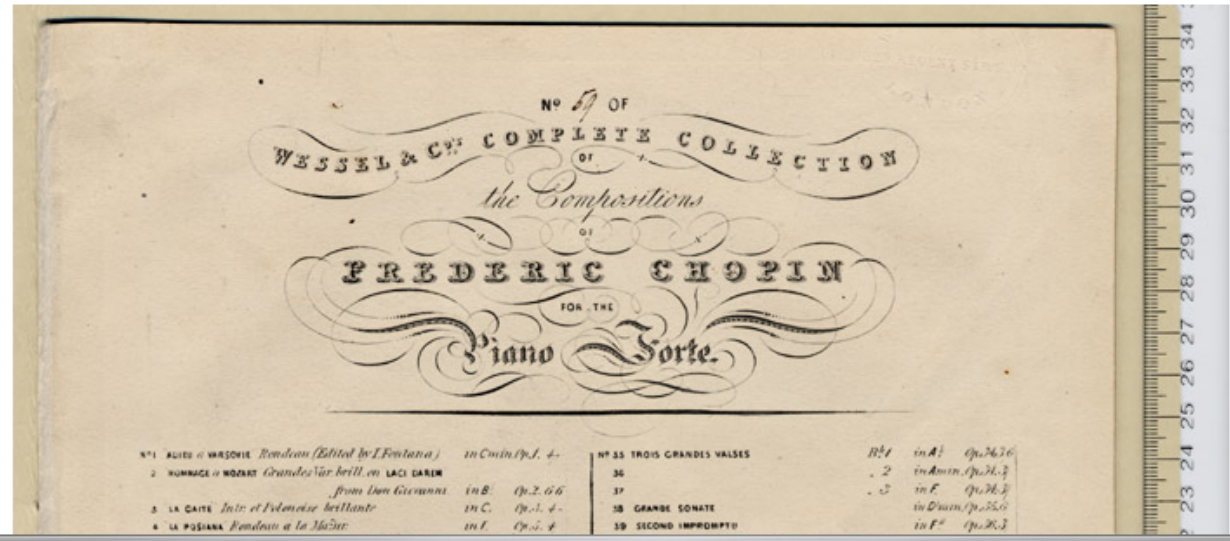
search titles uniform titles genres dedicatees


15me. & 16me. nocturno / [next](#) ►

[view score](#) [bibliographic description](#)

unnumbered page

unnumbered page



Chopin Early Editions 

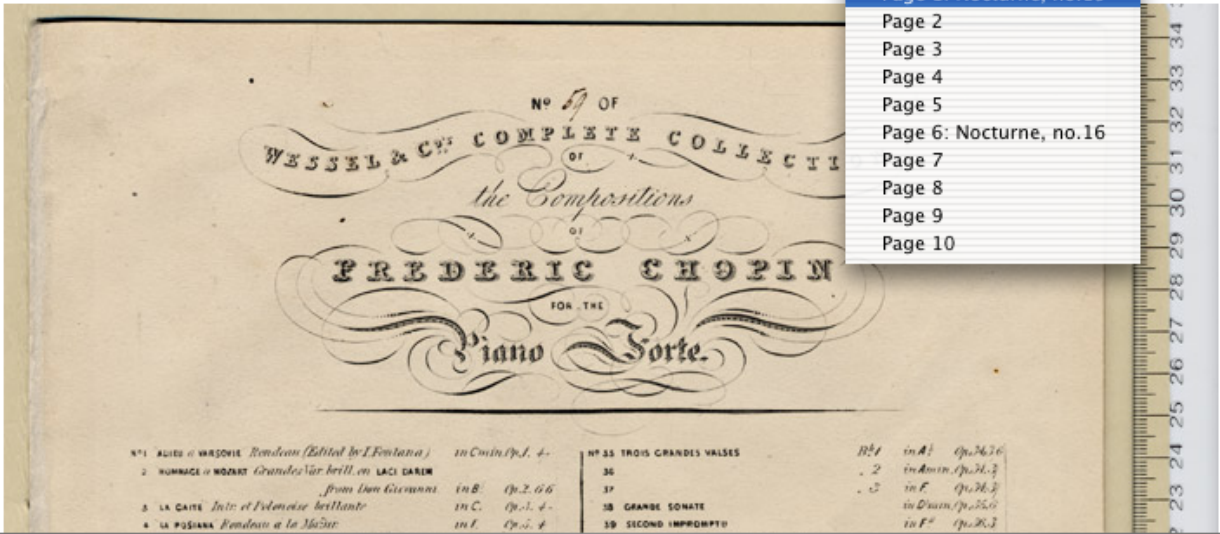
HELP PREFERENCES

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15me. & 16me. nocturno / [next](#) ►

[view score](#) [bibliographic description](#)

unnumbered page



- ✓ unnumbered page
 - unnumbered page
 - Page 1: Nocturne, no. 15
 - Page 2
 - Page 3
 - Page 4
 - Page 5
 - Page 6: Nocturne, no. 16
 - Page 7
 - Page 8
 - Page 9
 - Page 10
- Go

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15me. & 16me. nocturno /

[◀ prev](#) [next ▶](#)

[view score](#) [bibliographic description](#)

Page 1: Nocturne, no.15

Page 1: Nocturne, no.15



1

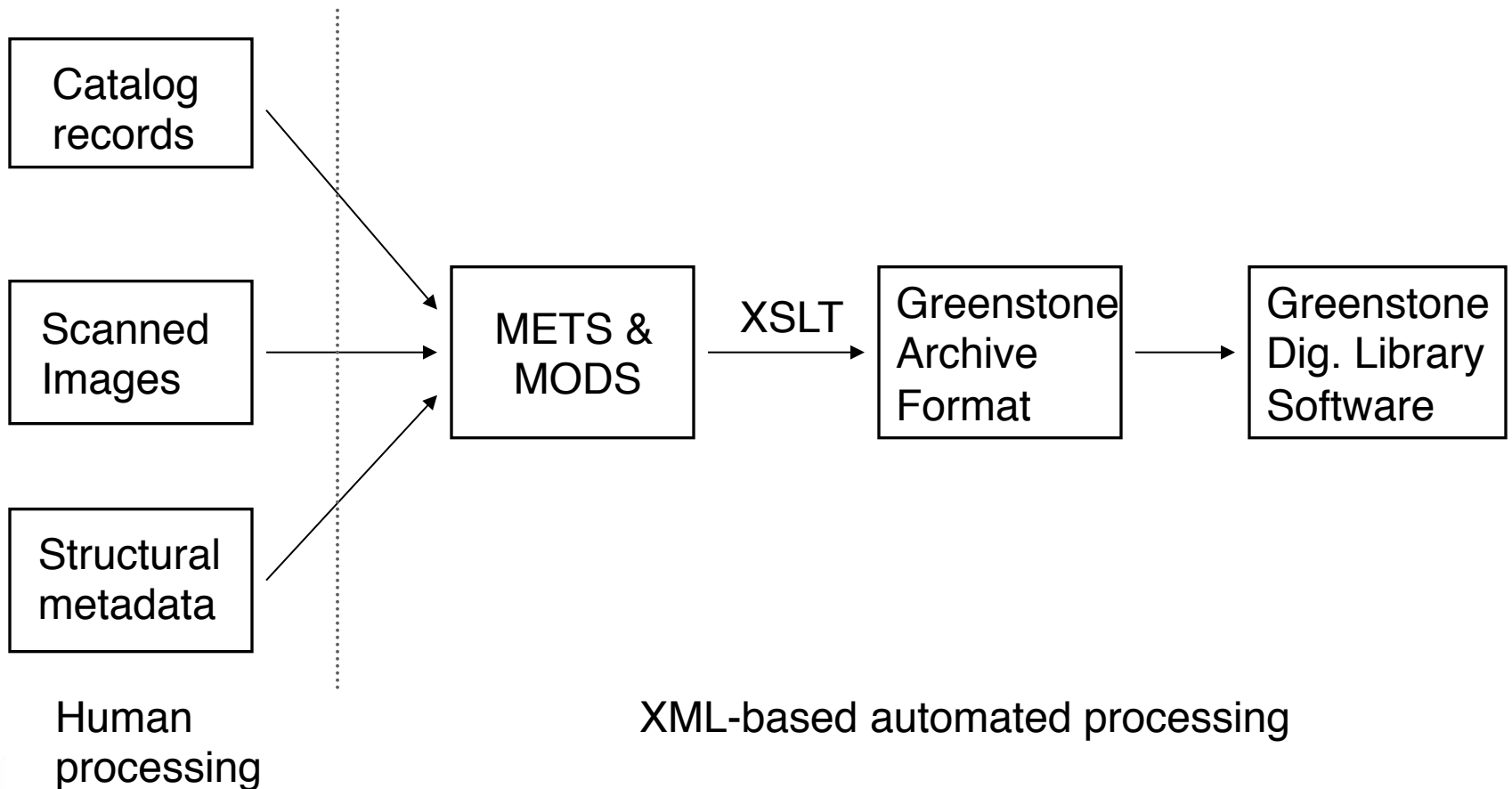
15^{me} NOCTURNO Composé par FREDERIC CHOPIN. Op: 55.

Dédié à Mademoiselle I.W. STIRLING.

ANDANTE. *p*

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

Build overview



Catalog records

- Detailed MARC/AACR2 record for each score
- Luxury: few print music collections have this much metadata

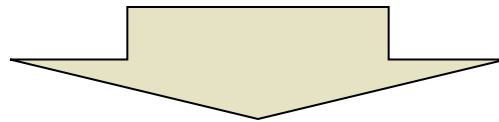
Scanned score images

- Scanned by Preservation staff
- Archival TIFF images
 - 400dpi, 24-bit color, uncompressed
- JPEG derivatives for web-based delivery

Structural and other metadata

document	object	page	project	comp	milestone	filesize	imagev	image	datescan
108	001		chopin	1		85.5 MB	4552	6559	2002-07-12
108	002		chopin	1		85.2 MB	4536	6559	2002-07-12
108	003	1	chopin	1	Nocturne, no.15	83.1 MB	4440	6539	2002-07-12
108	004	2	chopin	1		83.8 MB	4496	6508	2002-07-12
108	005	3	chopin	1		83.8 MB	4448	6570	2002-07-12
108	006	4	chopin	1		84.0 MB	4464	6590	2002-07-12

Record: 1 of 7496

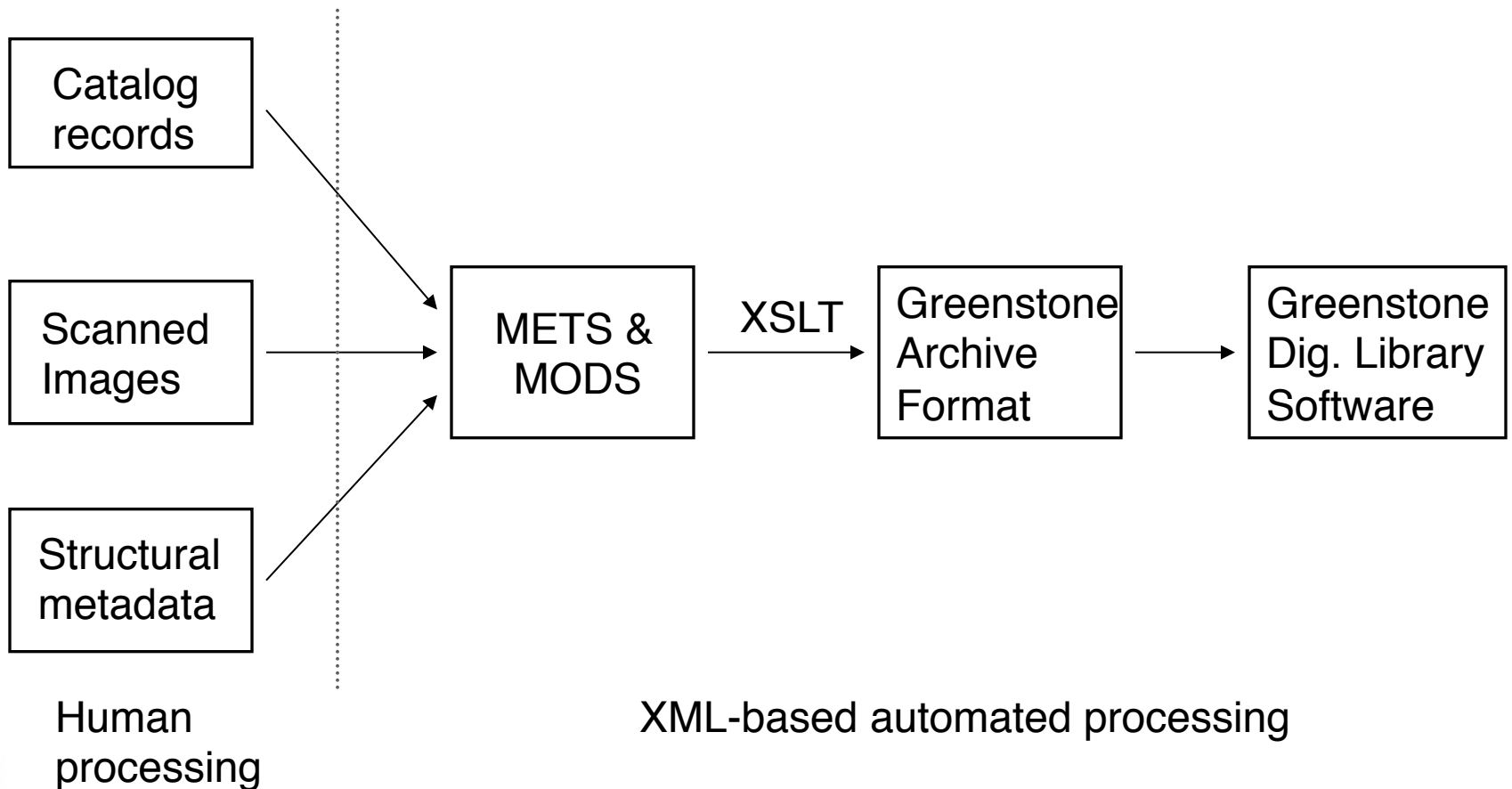


```
"chopin", "108", "001", "", "1", ""  
"chopin", "108", "002", "", "1", ""  
"chopin", "108", "003", "1", "1", "Nocturne, no.15"  
"chopin", "108", "004", "2", "1", ""  
"chopin", "108", "005", "3", "1", ""
```

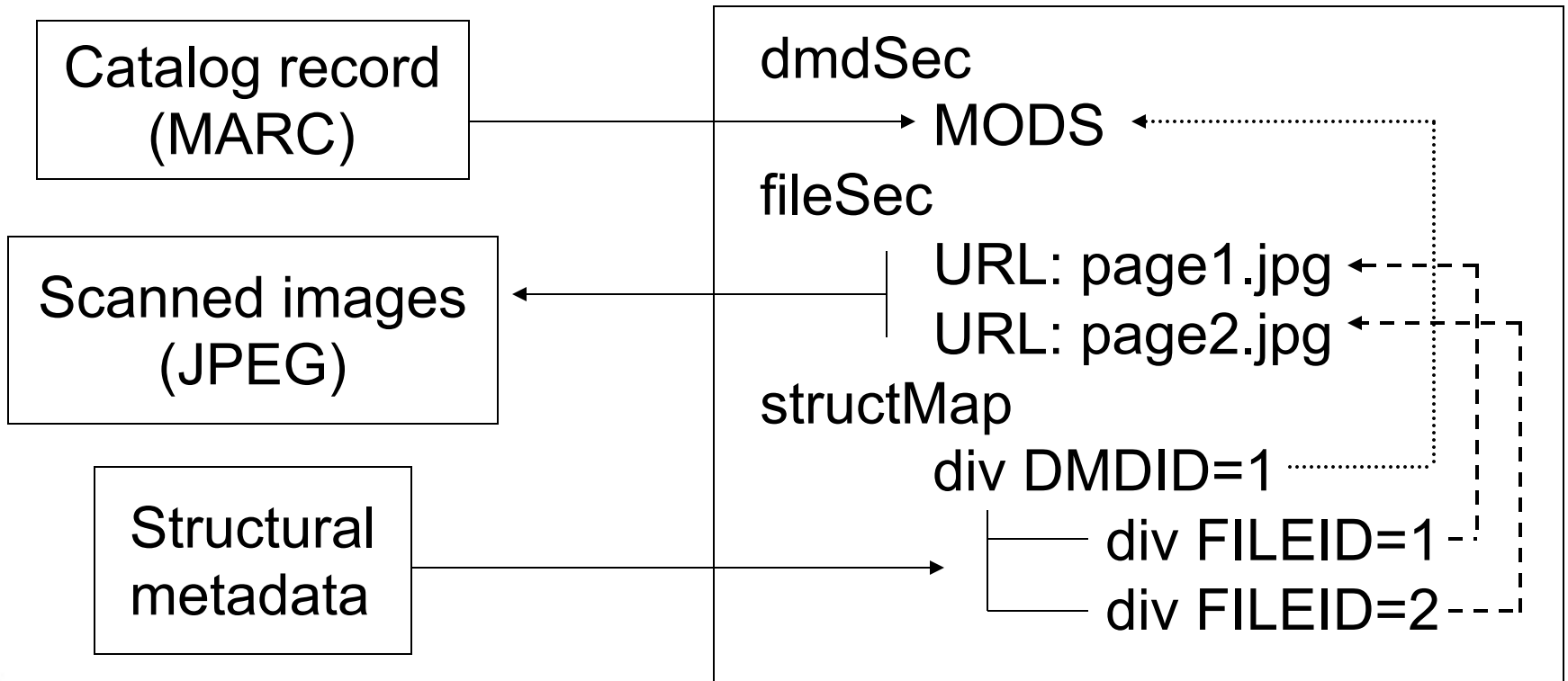
Structural metadata

- Identify each image
 - document (score) no. & sequential image no.
- Image content:
 - page no. as printed, milestones
- Staff use familiar RDB product
- Export data in CSV format
- Technical metadata recorded, not yet used

Build overview



METS & MODS



METS & MODS

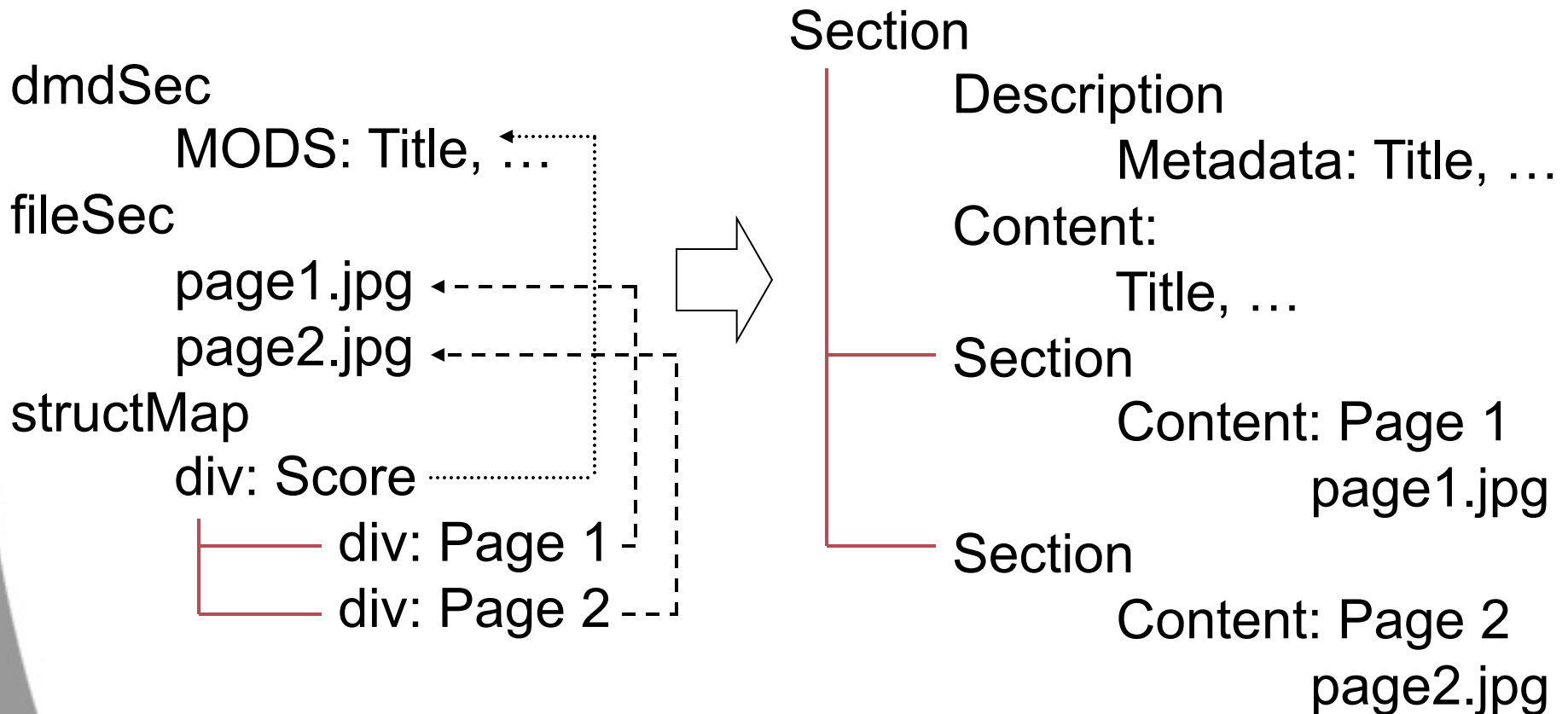
Program uses structural metadata to:

- Generate structMap
- Generate image URLs for fileSec
 - Images stored by naming convention
- Structural md carries catalog record no.
- Extract MARC from catalog
- crosswalk to MODS
- Embed in dmdSec

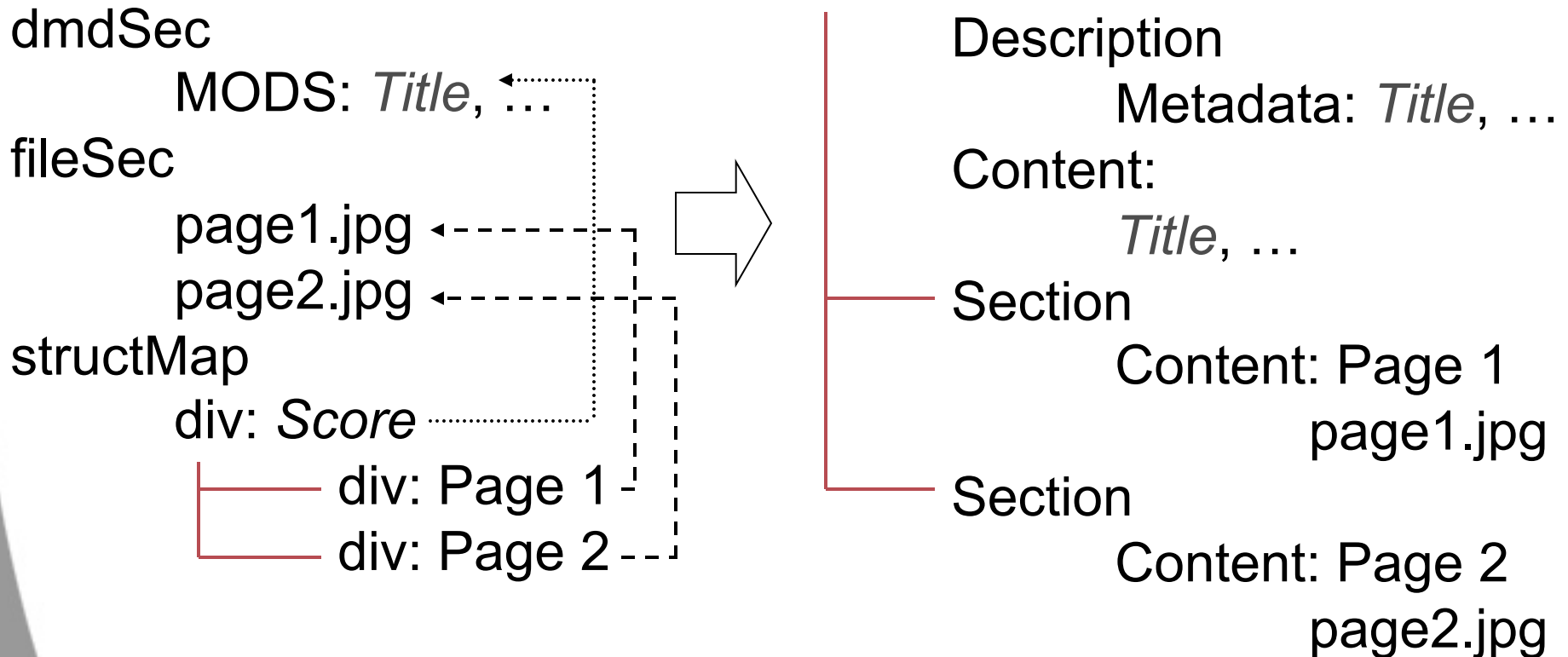
GSAF

- XML format for internal storage
- Hierarchical document structure
 - Nested sections: e.g. part 1, chapt. 2
- METS to GSAF via XSLT
- Natural mapping from METS to GSAF
 - Map structural hierarchy
 - Follow links
 - Descriptive metadata
 - File content

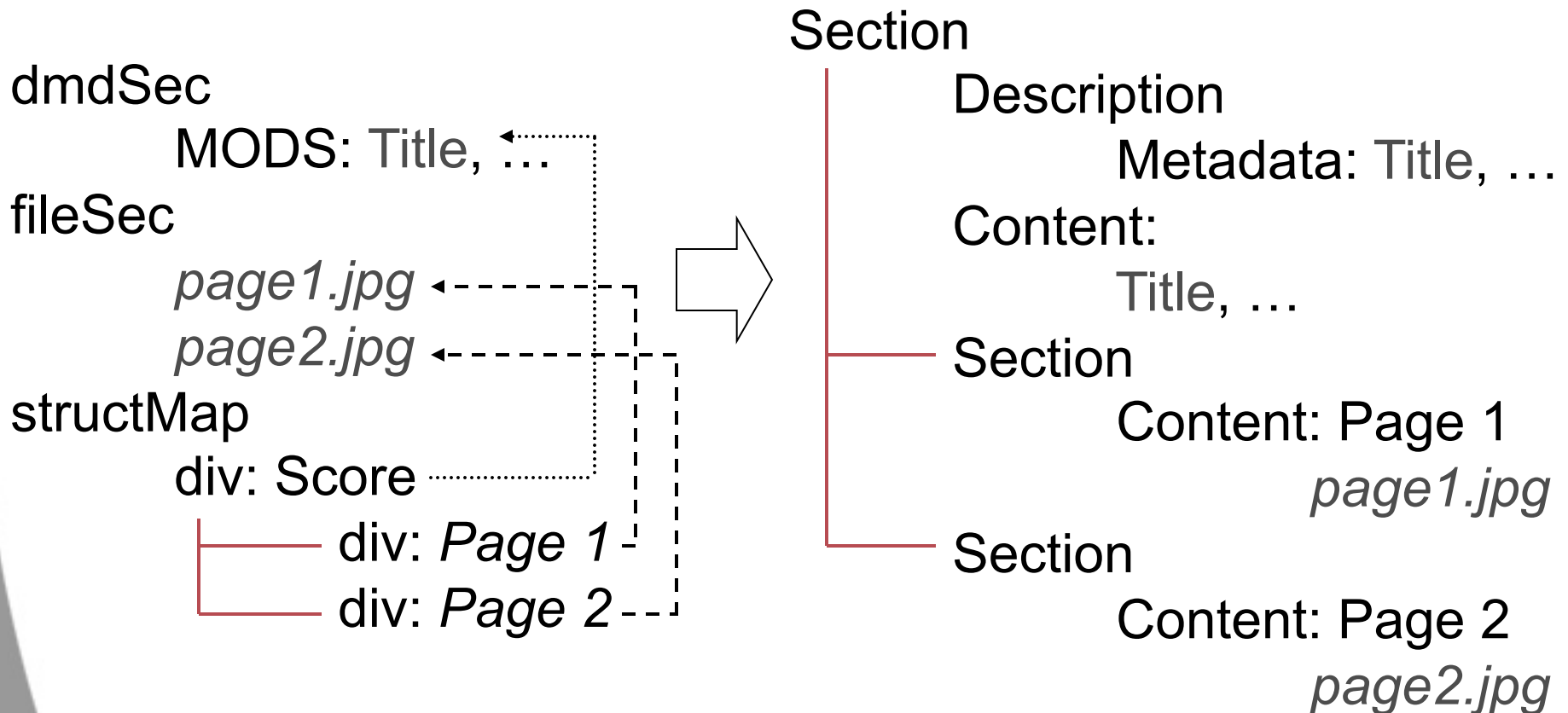
METS to GSAF



METS to GSAF



METS to GSAF



METS to GSAF

- Walk structural metadata to create the tree of <Section> elements
- Descriptive metadata:
 - <Description>
 - Crosswalk to desired metadata names
 - <Content>:
 - Format metadata desired for display
- File data
 - <Content>:
 - Inline text, link to images, etc.



Customizing Chopin collection


- Focus on navigation
 - Metadata for custom access
 - E.g. genre, dedicatee not in MARC/AACR2
 - Can support with METS, MODS, Greenstone
 - Custom document navigation
 - Separate description from scores
 - Custom page navigation
 - Improves usability
- Branding in next phase



Genre



















http://chopin.lib.uchicago.edu/gsd/cgi-bin/library?c=chopin&a=d&cl=CL3&m=-1&o=50

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Chopin | Early Editions 

HELP PREFERENCES
genres

search titles uniform titles genres **dedicatees**


-  [Ballades](#), (16 scores)
-  [Barcarolle](#), (2 scores)
-  [Berceuse](#), (6 scores)
-  [Bolero](#), (5 scores)
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-  [Etudes](#), (16 scores)
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-  [Nocturnes](#), (40 scores)
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-  [Waltzes](#), (54 scores)

Go to "http://chopin.lib.uchicago.edu/"

Genre


http://chopin.lib.uchicago.edu/gsd/cgi-bin/library?e=d-000-00---0chopin--00-0-0-0prompt-10---4---D








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Chopin | Early Editions 

HELP PREFERENCES
genres

search titles uniform titles **genres** dedicatees


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Paris : Chez Maurice Schlesinger (Rue Richelieu, 97) ; [1841]
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-  [13e. et 14e. nocturne pour piano, op. 48 /](#)
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Nocturnes, piano, op. 62
-  [3 nocturnes pour le piano, op. 9 /](#)

15me. & 16me. nocturno /

<http://chopin.lib.uchicago.edu/gsd/cgi-bin/library?e=d-000-00---0chopin--00-0-0-0prompt-10---4---D>

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15me. & 16me. nocturno /


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UniformTitle: Nocturnes, piano, op. 55
Title: 15me. & 16me. nocturno /
Title: Quinzième et seizième nocturno
Composer: Chopin, Frédéric, 1810-1849
Dedicatee: Stirling, Jane Wilhelmina
Publication Info.: London (No. 229, Regent Street, corner of Hanover Street) :Wessel & Co., importers and publishers of foreign music,[between 1848 and 1856]
Description: 10 p. of music ; 33 cm.
Notes: [composé par Frederic Chopin].
Title from list t.p.
"Dédié à Mademoiselle J.W. Stirling"--Caption.
Also available on the Internet.
Subject: Piano music
Plate No.: W & Co. No. 5308
Plate No.: 5308
URI: <http://pi.lib.uchicago.edu/1001/dig/chopin/108>
Call No.: M25 .G54 .N014

15me. & 16me. nocturno /

<http://chopin.lib.uchicago.edu/gsd/cgi-bin/library?e=d-000-00---0chopin--00-0-0-0prompt-10---4---D>

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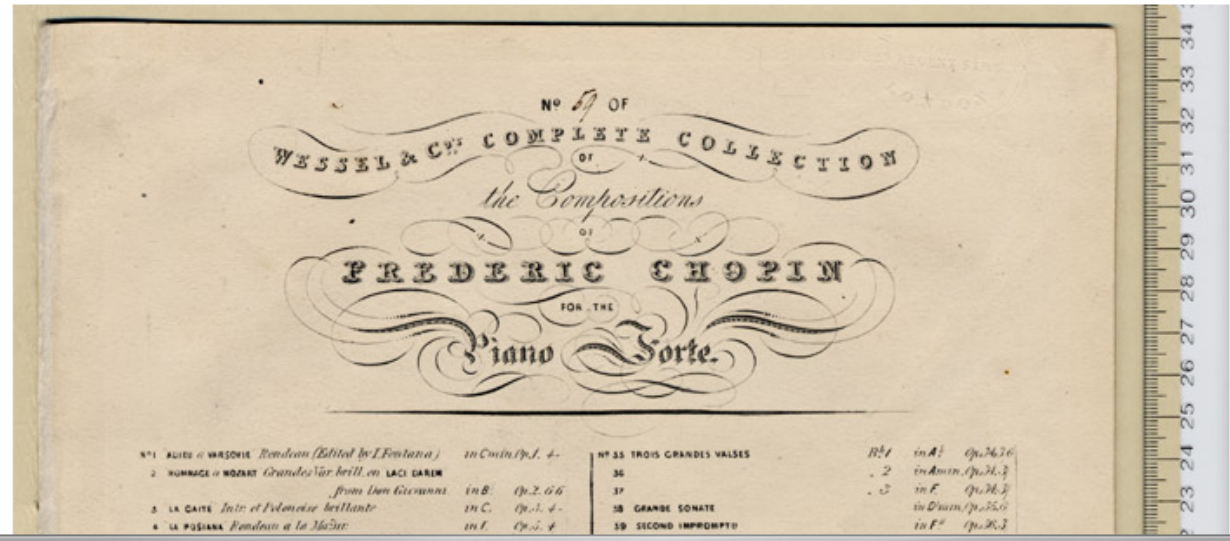
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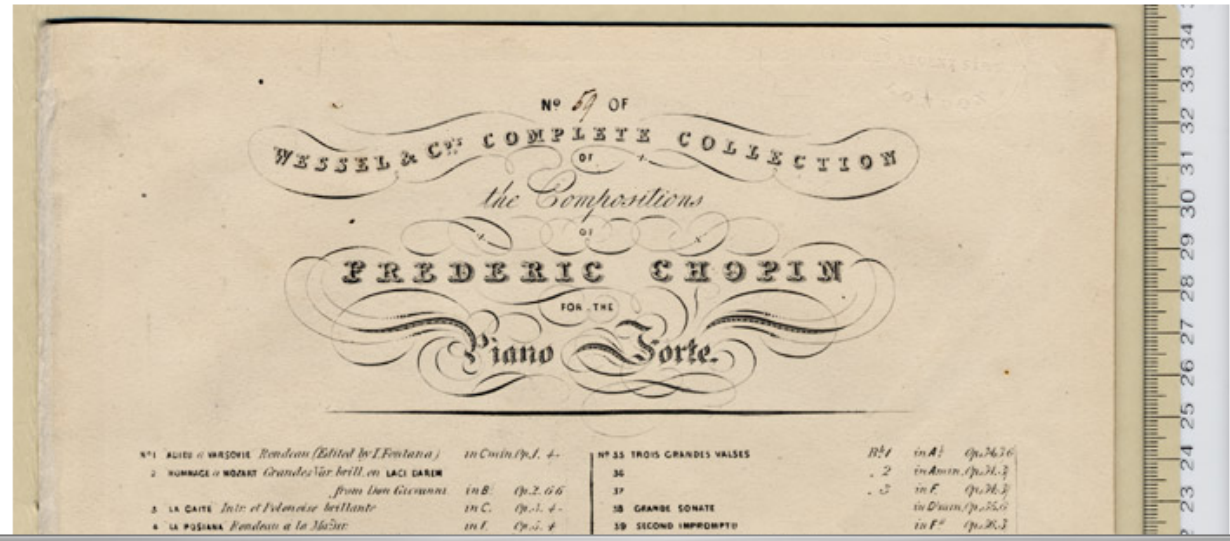
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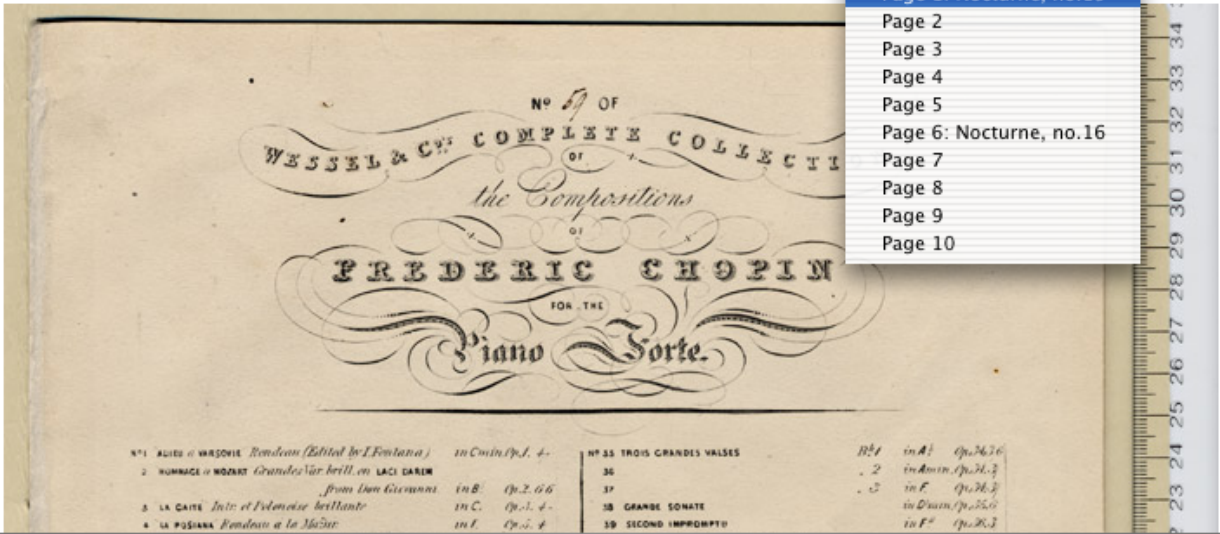
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- Page 6: Nocturne, no.16
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N° 1	ALTES II WARSOWE Rondeau (Édité par I. Fontana)	in C-m. Op. 1. 4.	N° 25	TROIS GRANDES VALSES	B-flat in A Op. 36. 16
2	HOMMAGE II WÓZYSKI Grandes Valses brill. en LACI DAREN	in B. Op. 2. 6. 6	36		2 in A-m. Op. 36. 2
	from Dan Giovanni	in C. Op. 1. 4.	37		3 in F. Op. 36. 3
3	LA CAITE Intro. et Polonoise brillante	in C. Op. 1. 4.	38	GRANDE SONATE	in D-m. Op. 35. 6
4	LA PÓSIANA Rondeau à la Mère	in F. Op. 1. 4	39	SECOND IMPROMPTU	in F. Op. 36. 2

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Page 1: Nocturne, no.15

Page 1: Nocturne, no.15



1

15^{me} NOCTURNO Composé par FREDERIC CHOPIN. Op: 55.

Dédié à Mademoiselle I.W. STIRLING.

ANDANTE. *p*

Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. * Ped. *

Comments on Chopin Early Editions

- Data created by staff using familiar tools
 - Structural md created in desktop application
- Catalog records a luxury
- Catalog is DB of record
 - Project IDs in 909
 - POIs point into Greenstone
- METS/MODS assembled by program
 - Expect to repurpose METS for other applications
- Customization: navigation, not branding
 - Faster to bring up collection, get user reaction



Greenstone benefits for Chopin

- Robust, mature system
- Recovered time in project
 - Fast to bring up
 - UI out of the box
 - Dynamic page generation
 - Incremental customization
- XML compliant
 - Natural mapping from METS to GSAF



Future work: Chopin

- Add DjVu image format
- Repurpose METS for other applications
 - OAI
- Standardize new digitization production flow
 - Project was first for METS, MODS, GS, & 6 depts.
 - Standardize collection of structural metadata
 - Plug in descriptive metadata as appropriate
 - Store archival descriptive metadata in METS object
 - Repurpose via XSLT for delivery



Other custom UI examples

- Lehigh Digital Bridges
 - Extensive changes to look
- Washington Research Libraries Consortium (WRLC)
 - Custom page banner
 - Popup page turner in Perl
 - GS as component of DL suite



[Project Notes](#)

[Browse Collection](#)

[Search Collection](#)

[Glossary](#)

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Book Collection Titles (30)

Album of designs of the Phoenix bridge company: successors to Clarke, Reeves & Co., Phoenixville, by Phoenix Bridge Company (Philadelphia: J.B. Lippincott, 1885.)

Album of designs of the Phoenixville Bridge-Works, by Clark, Reeves & Co. (Philadelphia: J. B. Lippincott, 1873.)

American iron bridges: abstract of the discussion upon a paper submitted by Zerah Colburn, by Zerah Colburn, edited by Charles Manby and James Forrest. (New York: Van Nostrand, 1867.)

American versus English methods of bridge designing, by J.A.L. Waddell. (Tokyo: 1886)

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Album of designs of the Phoenix Bridge Company

Corporate author:
Phoenix Bridge Company.

Title:
**Album of designs of the Phoenix Bridge Company:
successors to Clarke, Reeves & Co., Phoenixville bridge works.**

Variant title:
Phoenix Bridge Company.

Publication info:
Philadelphia: J.B. Lippincott, 1885.

Physical description:



Phoenix Bridge Company,
Album of designs of the
Phoenix Bridge Company.,
1885, detail.



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Title:

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Album of designs of the Phoenix bridge company : successors to Clarke, Reeves & Co., Phoenixville bridge works

- Front Matter**
- Album of designs of the Phoenix bridge company : successors to Clarke, Reeves & Co., Phoenixville bridge works**
- List of Wrought-Iron Bridges, Viaducts, and Piers**
- General Specifications for Railway Bridges**
- Phoenixville Bridge Works**
- Description of Designs**
- Description of Plates**
- Designs Showing Usual Forms of Bridges Built by the Phoenix Bridge Company for Various Lengths of Spans**
- Plates showing Photographic Views of Bridges and Other Structures**



The William Staughton Collection



About This Collection

In 1821, William Staughton was appointed as the first president of Columbian College in Washington, D.C., which became The George Washington University. His tenure as President saw the founding of the law school, the departments of classics, medicine and theology, and a preparatory school. The first Columbian College commencement, held in 1824, included among its guests President Monroe, members of his cabinet, members of the Senate, House and Supreme Court, and the Marquis de Lafayette.

The William Staughton Collection contains correspondence, photographs of paintings and etchings of William Staughton, and lists of materials at the University Archives with genealogical and family information.

Browse

- options
- titles
- subjects
- people
- places
- dates

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The William Staughton Collection



Description

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Titles

Subjects

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Places

Dates

Letter from William Staughton, Obadiah B. Brown, and Luther Rice to James Monroe, February 26, 1823

Description: The letter was photocopied from Gideon Welles Papers (No. 19016), the Manuscript Division, Library of Congress.

Person: Staughton, William, 1770-1829 --
Correspondence
Brown, Obadiah B., 1779-1852 --
Correspondence
Rice, Luther, 1783-1836 -- Correspondence
Monroe, James, 1758-1831 -- Correspondence

Date: [1823-02-26](#)

Place name: [United States -- District of Columbia -- Washington](#)

Resource type: [Correspondence](#)

Creator: [Staughton, William, 1770-1829](#)

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Letter from William Staughton, Obadiah B. Brown...

Close

View Image: 1 2

Washington, Feb: 26th 1823.

Highly respected Sir

Understanding that, in the Providence of Heaven, the chaplainship filled for some time past, by the Rev. Dr. Hunter has become vacant, the subscribers solicit leave with all that consideration due to your enlightened judgment, to submit to you the propriety of permitting the Rev. Dr. Allison to become his successor.

They are well persuaded that the Doctor is a firm friend of the Administration. In the memorable struggle for Independence, his whole conduct was on his country's side. - He

Ongoing work: Greenstone

- Greenstone Librarian Interface (GLI)
- Greenstone 3

Greenstone Librarian Interface (GLI)

- Collection management
 - Informed by work at GS sites
 - Assist collection designer
 - Support all phases of collection build process
 - Do not specify workflow
- Java-based GUI tool
 - Formerly called the “Gatherer”
- 2 yrs in development
- In beta outside of lab
 - Bangalore, other sites
 - in current distribution



GLI functions

- Establish new collection (or work on old)
- Select files to include in collection
- Enrich files with metadata
- Select indexes, classifiers
- Build collection
- Customize appearance
- Preview collection



Greenstone 3

GS2 mature, 5+ yrs., wide deployment

- Constraints: support legacy systems
- Other technologies have matured: Java, XML

GS3: rewrite in Java, XML, XSLT

- Distributed architecture, SOAP
- METS as internal format
 - Group assembled for Greenstone METS profile(s)
- OAI support planned
- 1 year in dev; alpha testing in lab

Conclusion

- Positive experiences
- Good direction for development
- Strong user community
- Proven in real digital library projects



Links & Further Information

Chopin Early Editions:

<http://chopin.lib.uchicago.edu/>

Greenstone: <http://www.greenstone.org/>

Downloads, documentation, examples

New Zealand Digital Library Project:

<http://www.nzdl.org/>

UNESCO & related collections, many demos

Witten & Bainbridge. [How to Build a Digital Library](#). Morgan Kaufman, 2003.

