



SDI

Serviço de Documentação e Informação

DigiTool: Images Ingest Workflow

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Before DigiTool

- all museum objects have been photographed using a Nikon camera (around 1000 objects) in Nikon raw format
- it was not possible to move the objects to a studio, pictures had to be taken in place
- it was decided to improve the quality of the photos and produce 5 files for each object, according to the different usages
 - .nef – picture taken in Nikon raw format
 - .psd – improved photo using Photoshop
 - .tif – copy of the improved picture for preservation
 - .jpg – copy of the improved pictures in 480x640 for web
 - .jpg – created thumbnail (not only a small version)

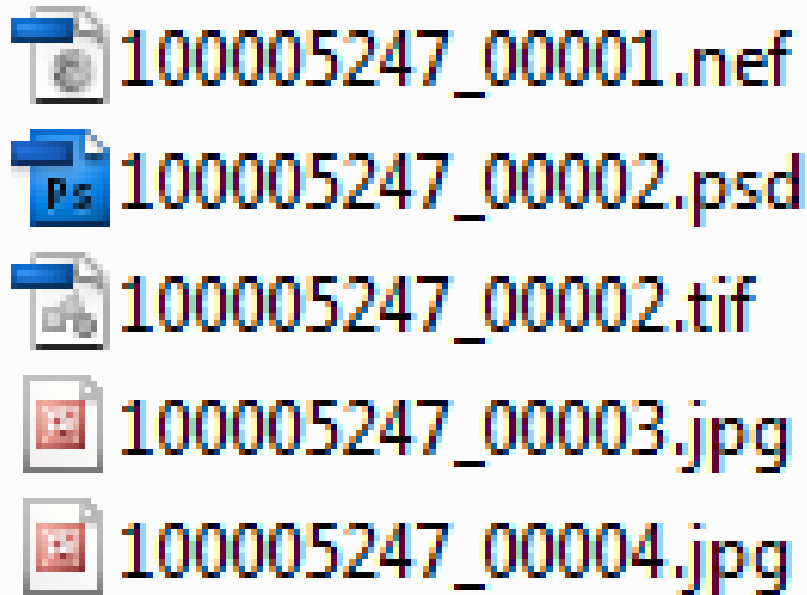


Type: JPG File
Size: 1,73 KB
Date modified: 29-12-2006 15:58



- the different files produced were renamed to easily identify their contents, according to the model:

`<object id>_<usage>.extension`





DigiTool ingest preparation

- files were ingested in DigiTool using csv ingest type
 - we decided to ingest the 5.000 files in 10 different processes for better control
 - the files were divided in 10 folders and for each folder a .csv file has been created
 - in dos shell the command produces a list of files in the folder in a text file
 - `dir /b > list.txt`
 - the file list is pasted in an Excel file
 - additional fields are filed
 - a common mapping.xml file was used



geral.xsl

label	notes	preservation	filename	relation type	vpid	relations	entity type	usage type
(Museu)100000685		high	100000685_00001.nef		0		IMAGE	ARCHIVE
(Museu)100000685		high	100000685_00002.psd	manifestation	1	0	IMAGE	ARCHIVE
(Museu)100000685		high	100000685_00002.tif	manifestation	2	0	IMAGE	ARCHIVE
(Museu)100000685		high	100000685_00003.jpg	manifestation	3	0	IMAGE	VIEW
(Museu)100000685		high	100000685_00004.jpg	manifestation	4	0	IMAGE	THUMBNAIL
(Museu)100000818		high	100000818_00001.nef		5		IMAGE	ARCHIVE
(Museu)100000818		high	100000818_00002.psd	manifestation	6	5	IMAGE	ARCHIVE
(Museu)100000818		high	100000818_00002.tif	manifestation	7	5	IMAGE	ARCHIVE
(Museu)100000818		high	100000818_00003.jpg	manifestation	8	5	IMAGE	VIEW
(Museu)100000818		high	100000818_00004.jpg	manifestation	9	5	IMAGE	THUMBNAIL
(Museu)100000819		high	100000819_00001.nef		10		IMAGE	ARCHIVE
(Museu)100000819		high	100000819_00002.psd	manifestation	11	10	IMAGE	ARCHIVE
(Museu)100000819		high	100000819_00002.tif	manifestation	12	10	IMAGE	ARCHIVE
(Museu)100000819		high	100000819_00003.jpg	manifestation	13	10	IMAGE	VIEW
(Museu)100000819		high	100000819_00004.jpg	manifestation	14	10	IMAGE	THUMBNAIL
(Museu)100002743		high	100002743_00001.nef		15		IMAGE	ARCHIVE
(Museu)100002743		high	100002743_00002.psd	manifestation	16	15	IMAGE	ARCHIVE
(Museu)100002743		high	100002743_00002.tif	manifestation	17	15	IMAGE	ARCHIVE
(Museu)100002743		high	100002743_00003.jpg	manifestation	18	15	IMAGE	VIEW
(Museu)100002743		high	100002743_00004.jpg	manifestation	19	15	IMAGE	THUMBNAIL
(Museu)100002744		high	100002744_00001.nef		20		IMAGE	ARCHIVE
(Museu)100002744		high	100002744_00002.psd	manifestation	21	20	IMAGE	ARCHIVE
(Museu)100002744		high	100002744_00002.tif	manifestation	22	20	IMAGE	ARCHIVE
(Museu)100002744		high	100002744_00003.jpg	manifestation	23	20	IMAGE	VIEW
(Museu)100002744		high	100002744_00004.jpg	manifestation	24	20	IMAGE	THUMBNAIL
(Museu)100002745		high	100002745_00001.nef		25		IMAGE	ARCHIVE



mapping.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<tm:x_mapping xmlns:tm="http://com/exlibris/digitool/repository/transMap/xmlbeans" start_from_line="2">
  <x_map>
    <x_source position="1"/>
    <x_target>control/label</x_target>
  </x_map>
  <x_map>
    <x_source position="2"/>
    <x_target>control/note</x_target>
  </x_map>
  <x_map>
    <x_source position="3"/>
    <x_target>control/preservation_level</x_target>
    <x_default>high</x_default>
  </x_map>
  <x_map>
    <x_source position="4"/>
    <x_target>stream_ref/file_name</x_target>
  </x_map>
  <x_map>
    <x_source position="5"/>
    <x_target>relations/relation/type</x_target>
  </x_map>
</tm:x_mapping>
```



```
<x_map>
  <x_source position="6"/>
  <x_target>vpid</x_target>
</x_map>
<x_map>
  <x_source position="7"/>
  <x_target>relations/relation/vpid</x_target>
</x_map>
<x_map>
  <x_source position="8"/>
  <x_target>control/entity_type</x_target>
</x_map>
<x_map>
  <x_source position="9"/>
  <x_target>control/usage_type</x_target>
  <x_default>VIEW</x_default>
</x_map>
<x_map>
  <x_target>stream_ref</x_target>
  <x_attr>store_command</x_attr>
  <x_default>copy</x_default>
</x_map>
</tm:x_mapping>
```




Ingest process in DigiTool

- next step: ingest all files in DigiTool
 1. upload all files to digitool server using ftp (import folder for the DigiTool local base and the 10 folder for each ingest activity)
 2. create ingest activities with no tasks and pointing to the files already uploaded



Update link information from InArte

- create the list of relations object id / DigiTool PID to update the links in InArte (Museum management system)
 - from filename lists, create the object id
 - DigiTool PIDs are sequential
 - links should be to view objects (<object id>_00003.pg)
- DigiTool PIDs were added to metadata at InArte database
- using the DigiTool PIDs, Museum Catalogue has been updated to point to DigiTool object images



filename	object id	DigiTool PID
10000685_00001.nef	10000685	22510
10000685_00002.psd	10000685	22511
10000685_00002.tif	10000685	22512
10000685_00003.jpg	10000685	22513
10000685_00004.jpg	10000685	22514
10000818_00001.nef	10000818	22515
10000818_00002.psd	10000818	22516
10000818_00002.tif	10000818	22517
10000818_00003.jpg	10000818	22518
10000818_00004.jpg	10000818	22519
10000819_00001.nef	10000819	22520
10000819_00002.psd	10000819	22521
10000819_00002.tif	10000819	22522
10000819_00003.jpg	10000819	22523
10000819_00004.jpg	10000819	22524
100002743_00001.nef	100002743	22525
100002743_00002.psd	100002743	22526
100002743_00002.tif	100002743	22527
100002743_00003.jpg	100002743	22528
100002743_00004.jpg	100002743	22529
100002744_00001.nef	100002744	22530
100002744_00002.psd	100002744	22531
100002744_00002.tif	100002744	22532
100002744_00003.jpg	100002744	22533
100002744_00004.jpg	100002744	22534
100002745_00001.nef	100002745	22535

filename	object id	DigiTool PID
10000685_00003.jpg	10000685	22513
10000818_00003.jpg	10000818	22518
10000819_00003.jpg	10000819	22523
100002743_00003.jpg	100002743	22528
100002744_00003.jpg	100002744	22533

object id	DigiTool PID
10000685	22513
10000818	22518
10000819	22523
100002743	22528
100002744	22533



Museu da Faculdade de Engenharia da Universidade do Porto - Mozilla Firefox

http://inarte.fe.up.pt/inweb/ficha.aspx?id=356&src=feup

FEUP FACULDADE DE ENGENHARIA UNIVERSIDADE DO PORTO

SDI - Serviços de Documentação e Informação

Catálogo do Museu

Está aqui: Início > SDI > Catálogo do Museu > Pesquisa específica > Resultado da pesquisa

ajuda | contactos | mapas | sugestões

PESQUISA GERAL

PESQUISA ORIENTADA

PESQUISA ESPECÍFICA

Ver: Com imagem | Todos

Modo de visualização: Album | Lista | Resumo

PESQUISA GUIADA

AJUDA

FICHA DE OBJECTO

Nº inventário - 10000685

Designação objecto - Impressora

Proveniência - DEEC

Título - Impressora a jacto de tinta, Hewlett Packard, 520

Autorias - HP - Hewlett

Categorias - Utilização/Ap...
- Ciências tec...

Funções/Usos - Aparelho/Apa...
periférico que...
computadores
qualquer outro...

Marcas - Sem marcas

Materiais - Material proc...
- Material proc...

Departamentos - Departament...

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ESP

Iniciativa apoiada por

DigiTool Viewer - Mozilla Firefox

http://eos.fe.up.pt/1801/view/action/singleViewer.do?dvs=1252162359042-827&locale=pt&metadata_object_ratio=25&side_by_side=false&...

ExLibris DigiTool - Resource Discovery

Metadata options:

View Options

(Museu)10000685

Close Help Print



Done

Inbox - Microso... Microsoft Powe... Internet Explore... Microsoft Excel... DigiTool Viewer... 15:51



Add metadata to DigiTool streams

- from InArte metadata has been exported in Dublin Core, according to DigiTool format
- for each stream the xml file has been manually imported



```
<?xml version="1.0" encoding="utf-8"?>
<record xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:dcterms="http://purl.org/dc/terms/">
<dc:identifiser>(FEUP)100045468</dc:identifiser>
<dc:identifiser>(InArte)8</dc:identifiser>
<dc:title>Modelo didáctico: Pares de elementos superiores: fuso plano no triângulo, segundo Franz Reuleaux, Gustav
  Voigt</dc:title>
<dc:contributor>Franz Reuleaux [Inventor]</dc:contributor>
<dc:subject>Matemática para a engenharia</dc:subject>
<dcterms:provenance>DEMEGI: Departamento de Engenharia Mecânica e Gestão Industrial</dcterms:provenance>
<dc:type xsi:type="dcterms:DCMIType">image</dc:type>
<dcterms:isPartOf>FEUP &gt; SDI &gt; Museu</dcterms:isPartOf>
</record>
```



Final Object

DigiTool Object Manager - Version 3.0 Unit: FEUP (EDG01) Connected to server: eos.fe.up.pt:6881 (3..)

DigiTool Object Metadata Edit View Services Help ?

Object: EDG01 - 33622 / descriptive:dc [48658]

Identifier: (FEUP)100000685

Tag	Attribute	Language	Data
Identifier			(FEUP)100000685
InArteSync ID			356
Title			Impressora: Impressora a jacto de tinta, Hewlett Packard, 520
Creator			HP - Hewlett Packard [Fabricante]
Subject			Engenharia de computadores
Provenance			DEEC: Departamento de Engenharia Electrotécnica e de Computadores
Type	DCMI Type		image
Relation - Is Part Of			FEUP > SDI > Museu

Último Acedido (1)
Abrir no Disco Local (14)
Manifestações (4)
33620 [ARCHIVE - p
33621 [ARCHIVE - t
33619 [ARCHIVE - r
33623 [THUMBNAIL

Inclui (0)
Parte de (0)

1. Browser | 2. Messages | 3. Tag Information | 4. Collections

View/Refresh Object >>> File Name: 100000685_00003.jpg, File Extension: jpg, File Size: 25 K

start

DigiTool Object Mana...



DigiTool Viewer - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://eos.fe.up.pt:1801/view/action/singleViewer.do?dvs=1252162359042~827&locale=pt&metadata_object_ratio=25&side_by_side=false&...


Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options

ExLibris DigiTool - Resource Discovery Close Help Print

Metadata options: []

View Options [] (Museu)100000685

Title:	Impressora: Impressora a jacto de tinta, Hewlett Packard, 520
Creator:	HP - Hewlett Packard [Fabricante]
Subject:	Engenharia de computadores
Type:	image
Identifier:	(FEUP)100000685
Relation Is Part Of:	FEUP > SDI > Museu
Provenance:	DEEC: Departamento de Engenharia Electrotécnica e de Computadores



Done

Inbox - Microso... Microsoft Powe... Internet Explore... Microsoft Excel ... DigiTool Viewer...

15:56