



# Partizione Antica Supino Fund

A PILOT DIGITAL EDITION

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DHDK master degree – a.a.2020-21



# Premises. I



- ◆ The Supino Fund is a photographic Archive specialized in History of Art
- ◆ The «Partizione Antica» is a special part of the whole archive counting about 3000/8000 items
- ◆ The items are photographs often with handwritten annotations on the verso



# Premises. II

The background of the slide features a sepia-toned photograph of a large, reclining Buddha statue. The statue is shown from the waist up, lying on its right side with its head resting on a pillow. It is adorned with intricate carvings of robes and jewelry. A semi-transparent white rectangular box is positioned in the upper left corner, containing the title 'Premises. II'. A dark grey rectangular box is located in the lower half of the slide, containing a bulleted list of points.

- ◆ The PA has already been treated in the past:
  - ◆ Re-ordering and geographic classification (sigh!) about 1990s
  - ◆ Bologna catalogue ISBD late 1990-2000
  - ◆ iif old publication
  - ◆ Zeri catalogue 2016 FF, F and OA ICCD descriptions with most of annotations transcribed
  - ◆ some research and publications...
- ◆ The #PA\_creator remains unknown



# The project

The background of the slide is a sepia-toned photograph of a classical statue, likely a reclining figure such as a deity or a personification, with intricate carvings and folds of drapery. The statue is positioned horizontally across the upper half of the slide.

- ◆ A pilot digital edition for the Partizione Antica fund
- ◆ Keen on not losing the complexity of the photographic and handwritten annotated items
- ◆ Based on TEI for text, image and physical description
- ◆ Model of encoding looking for enriching information about the #PA\_creator



# The tools (and the steps)

- ◆ OA and F xml descriptions
- ◆ JPG images
- ◆ Transkribus
- ◆ XQUERY
- ◆ (IIIF Server)
- ◆ Github
- ◆ EVT-Edition Visualization Technology



# 1. OA and F xml descriptions

◆ Sample 14 recto-verso ph.

◆ built choosing between the annotations those that reported:

◆ 5 I went, I saw, etc.

◆ 5 surely visited places

◆ 2 latest dates

◆ 2 untranscribed > 0\_source\_data/1\_xml\_OA\_F\_metadata

```
<?xml version="1.0" encoding="utf-8"?>
<RISULTATI>

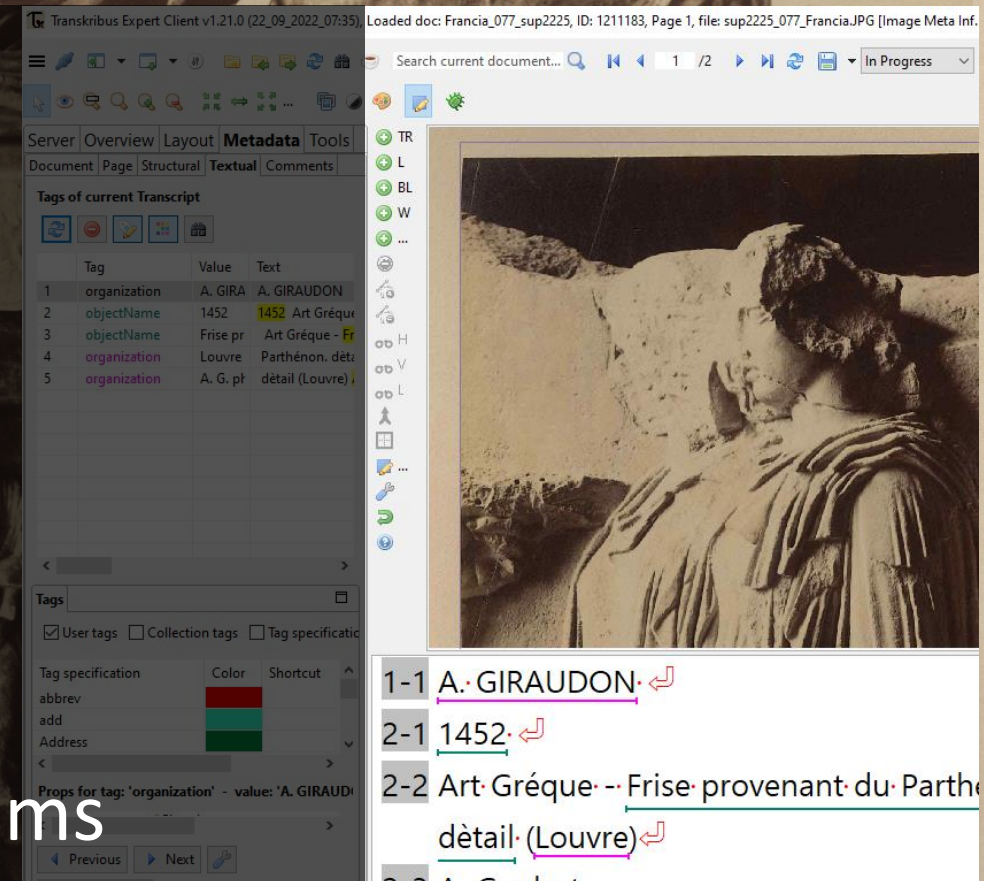
  <SCHEDA intestazione="Moscioni, Romualdo , Alba Fucense - Mu
    <PARAGRAFO etichetta="CLASSIFICATION">
      <INVN etichetta="Inventory number">sup 748</
    </LDCM><UBFS etichetta="Archival series">Par
    </UBFN><UBFT etichetta="Container heading">I
      etichetta="Folder heading">Abruzzo</UBFU><UE

    <PARAGRAFO etichetta="SUBJECT">
      <RIPETIZIONE>
        <OGTDOA etichetta="Object">cinta murari
      </RIPETIZIONE>
    </PARAGRAFO>
    <PARAGRAFO etichetta="SOURCE OF TITLE">
      <RIPETIZIONE>
        <SGLS etichetta="Source of title">dell'aut
        <SGLT etichetta="Proper title">Alba Fucens
      </RIPETIZIONE>
    </PARAGRAFO>
    <PARAGRAFO etichetta="OBJECT">
      <QNTN etichetta="Number of items">1</QNTN><
      >m</OGTB><MTX etichetta="BW/C">BN</MTX><MTC
      etichetta="Unit of measurement">mm</MISU>
      <MISA etichetta="Height">200</MISA>
      <MISL etichetta="Length">258</MISL>
      <MISO etichetta="Type of dimensions">suppor
```



# 2a. Transkribus

- Specialized in HTR
- Useful to create correspondance text-facsimile regions
- Complex use of tags
- Not so friendly to be customized
- Lots of extraction formats >  
0\_source\_data/2\_xml-tei\_sample\_items



Transkribus Expert Client v1.21.0 (22\_09\_2022\_07:35) Loaded doc: Francia\_077\_sup2225, ID: 1211183, Page 1, file: sup2225\_077\_Francia.JPG [Image Meta Inf.]

Search current document...

Server Overview Layout Metadata Tools

Document Page Structural Textual Comments

Tags of current Transcript

	Tag	Value	Text
1	organization	A. GIRA	A. GIRAUDON
2	objectName	1452	1452 Art Gréque
3	objectName	Frise pr	Art Gréque - Fr
4	organization	Louvre	Parthénon. dét.
5	organization	A. G. ph	détail (Louvre)

Tags

☒ User tags ☐ Collection tags ☐ Tag specificat

Tag specification

	Color	Shortcut
abbrev	Red	
add	Green	
Address	Green	

Props for tag: 'organization' - value: 'A. GIRAUDON'

Previous Next

1-1 A. GIRAUDON

2-1 1452

2-2 Art Gréque - Frise provenant du Parthénon. détail (Louvre)



# 2b. Encoding model

```
<text xml:id="text_id">
<front>
  <pb xml:id="photo_id_r" n="r"/>
  <p type="caption"><p>
</front>
<body> </body>
</text>
```

- 0. Introduction.....
- 1. Structure overview.....
  - Normalizations rules.....
  - 1.1. Outline of a single photograph.....
  - 1.2. Outline of the collective file.....
    - 1.2.1 TeiCorpus.....
    - 1.2.2. TEI with several texts.....
  - 1.3. Overview of the <text> element internal structure.....
  - 1.4. Manuscripts physical boundaries.....
    - 1.4.1. Page breaks.....
    - 1.4.2. Line breaks.....
- 2. Structural features.....
  - 2.1. Photograph items' rectos.....
  - 2.2. Figure and drawing blocks.....
  - 2.3. Annotations: paragraphs.....
  - 2.4. Quotations.....
- 3. Editorial markup.....
  - 3.1. Abbreviations and relative expansions.....
  - 3.2. Uncertainty.....
  - 3.3. Correction, errors, repetitions, missing text.....
- 4. Metadata.....
  - 4.1. Title information.....
  - 4.2. Publication statement.....
  - 4.3 Semantic layer markup.....
    - 4.3.1. People, organizations, objects, places.....
    - 4.3.2. Organizations.....
    - 4.3.3. Objects.....



# 3. Data cleaning

◆ Notepad++

◆ Oxygen

◆ Regex

## Normalizations rules

- All the `<body>` elements became `<front>` elements
- All the strings
  - `</p>\n<pb xml:id="`
  - `/>\n<pb xml:id="`are transformed in:
  - `</p>\n</front>\n<body>\n<pb xml:id="`
  - `/>\n</front>\n<body>\n<pb xml:id="`
- All the .JPG strings are erased
- All the `@n="1"` and `@n="2"` are transformed in `@n="r"` and `@n="v"`
- All the `<bibl>\n<publisher>TRP document creator: enrica.zani@studio.unibo.it</publisher>\n</bibl>` are transformed in:  
`<bibl>Fototeca Supino https://arti.sba.unibo.it/it/chi-siamo/fototeca-supino</bibl>`
- All the `<publisher>tranScriptorium</publisher>` are transformed in `<publisher>DHDK Unibo project's</publisher>`



# 4. Xquery

```
{  
  let $photo_entry := collection("../2_xml-tei_sample_items/normalized_?select=*.xml")  
  for $TEI in $photo_entry/tei:TEI  
  let $title := $TEI/teiHeader/fileDesc/titleStmt/title[@type='main']  
  let $body := $TEI/child::text/child::body  
  return <text xml:id="{ $title }">{ $body }</text>  
}  
</TEI>
```

- ◆ 01\_CreationCorpus\_fromCollection.xquery:  
<teiCorpus> creation from separate <TEI> files
- ◆ 02\_CreationProfileDesc.xquery
- ◆ 03\_CreationSourceDesc.xquery
- ◆ (04\_xenoData)
- ◆ 05\_CreationGroups\_title.xquery: «simple» <TEI> file  
with several <text> elements to be read from EVT



# (5. IIIF and json)

- ◆ Several attempts with
  - ◆ Cantaloupe
  - ◆ Github
  - ◆ IIIF server
- ◆ To be continued



# 6a. Publication Github

◆ Zani, E. (2022). Partizione Antica from Fototeca Supino: a pilot digital edition <https://enri-ca.github.io/dist/>.  
[https://github.com/enri-ca/DTH\\_PA](https://github.com/enri-ca/DTH_PA)

◆ TEI, PAGE, files from Transkribus

◆ XQUERY file for transforming

◆ <TEI> complexive files

◆ Encoding model

◆ EVT visualization files

◆ presentation

0_source_data	Add files via upload
1_evt-files	Add files via upload
0_PA_encoding_model.pdf	Add files via upload
CITATION.cff	Update CITATION.cff
README.md	Update README.md



# 6b. Publication EVT

🔗 EVT <https://enri-ca.github.io/dist/>

Partizione Antica from Fototeca Supino: a pilot digital edition

V MS Desc

Sicilia 007 sup1351

V

Diplomatic

Info

N001 This grand headless Etruscan lady came with the other gear

N002 from the Casuccini collection of Chiusi where I saw

N003 her in 1866. She is of white marble. The figures below,

N004 painted and with painted inscriptions, are of alabaster.



# Forecasting



- ◆ IIF needed
- ◆ TEI and digital edition enrichment with pre-existing external structured metadata and already done research
- ◆ Dynamic visualization and aggregations of items based on user's choices (types of OA, mentioned entities, etc.)
- ◆ Enriching data visualization with:
  - ◆ cross referencing among OA, F and bibliographic references
  - ◆ movements and interests of #PA\_creator



# Thank you!

Enrica Zani

