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Session 5. EpiDoc 2: publishing and querying with EFES

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tinyurl.com/v6wdxj9

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Transformation and publication



What to do with our encoded texts?

- Proofread
- Index
- Analyse
- Publish
- Interchange



- Transform the text
- Extract information from it
- Some transformations leverage semantic distinctions
- Some distinctions are flattened



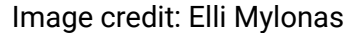
Single input, multiple output

XML and TEI files are transformed via:

- Specific programming languages, XSL and XQuery
- General programming languages with XML-aware libraries
- Web languages, CSS and javascript

Common outputs:

- Media
 - Website/mobile
 - Print-ready PDF, ePUB
- Editions
 - Editorial
 - Diplomatic
 - Educational
- Filters
 - Indices
 - Table of content
 - concordance





Existing tools

- eXist-db applications <<http://exist-db.org/exist/apps/homepage/index.html>>
- TEI Publisher <<https://teipublisher.com/index.html>>
- TAPAS <<https://tapasproject.org/>>
- EVT <<http://evt.labcd.unipi.it/>>
- EpiDoc Stylesheets <<https://github.com/EpiDoc/Stylesheets>>

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EFES motivation

Home

Gabriel Bodard edited this page on 14 Mar 2018 · 35 revisions

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EpiDoc Front-End Services (EFES) is a free, easy to use, highly customisable platform for the online publication of ancient texts in [EpiDoc XML](#), funded by the Andrew W. Mellon Foundation in 2017–18. EFES allows the creation of multiple indices, search and browse interface, geographical visualisation, and integration with linked open data.

About the project and team

- If you want to download EFES and use it for your project, we recommend you read the [User Guide](#) (quickstart and detailed tutorial).
- If you're developing on EFES, supporting or hosting an EFES project, take a look at the [Technical Documentation](#).

The EFES platform is based on existing tools (e.g. [Kiln](#); [EpiDoc XSLT](#); [IOSPE](#); [Papyri.info](#)) and input from scholars involved in some of the leading digital epigraphy projects from Europe and USA. One of the project's key aims is that the specialized features can be selected from and deployed by a non-specialist user, to which end we are writing detailed documentation and offering training in the use of the tool. The flexibility that comes with this customisation also helps reduce the artificial barriers between the study of ancient cultures of the Mediterranean and the rest of the world, and this expansion into new areas is expected in turn to lead to further developments in the EpiDoc standard itself.

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EFES components

- Publication tool (Kiln)
- Display individual inscriptions (EpiDoc Reference Stylesheets)
- Sample indices (XSLT)
- Sample search facets (Solr)
- RDF triplestore back-end (Sesame)
- User guide for customization of all components



EFES demo

Quickstart

1. [Download](#) or clone the EFES code from the GitHub repository.
2. Open a terminal window/command line and go to the directory where EFES is installed.
3. Run the command `build.sh` (Mac OS X/Linux) or `build.bat` (Windows), and leave the Terminal window open.
4. Open a browser and go to <http://127.0.0.1:9999/>. It should display a welcome page together with some very basic navigation.
5. Store project XML content (EpiDoc files) in the folder `/webapps/ROOT/content/xml/epidoc/`.
6. Index newly added files through the Admin panel on the site.
7. View HTML versions of your XML files at <http://127.0.0.1:9999/en/inscriptions/>.

Case study 1: Cretan Institution Inscriptions

Thesis Title

[\[edit\]](#)

- Kretikai Politeiai: Cretan Institutions from VII to I century BC

Author

[\[edit\]](#)

- Irene Vagionakis

Doctoral thesis in "Scienze dell'Antichità", Università Ca' Foscari Venezia

Submitted: September 2019

Supervisors: Claudia Antonetti, Gabriel Bodard

Description

[\[edit\]](#)

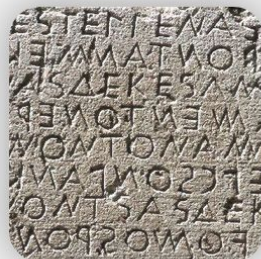
The research aimed at a systematic analysis of the records pertaining to Cretan institutions, mainly epigraphic, in order to propose an up-to-date reconstruction of the entire administrative framework of the island political realities from the rise of the poleis to the Roman conquest of Crete (VII-I century BC). For all the 600 examined inscriptions a digital XML edition compliant with the TEI-EpiDoc standard has been provided, each equipped with a commentary focused on the institutional data offered by the document. All the inscriptions are collected in the database Cretan Institutional Inscriptions, which has been created by using the [EpiDoc Front-End Services](#) (EFES) platform and which will be made available online in Open Access mode. The edition of the epigraphic texts is associated with an examination of each of the considered institutional elements (assemblies, officials, associations, civic subdivisions, social statuses, age classes, months, festivities and other celebrations, institutional practices and instruments, public spaces) and with an attempt of reconstruction of the administrative assets of every Cretan political reality (poleis, koina, dependent communities, extra-urban sanctuaries, hegemonic alliances) aimed at the identification of local peculiarities and regional trends.

Categories: [Dissertations](#) | [Epigraphy](#) | [EpiDoc](#) | [XML](#)

CRETAN INSTITUTIONAL INSCRIPTIONS

🏠 INFORMAZIONI ▼ ISCRIZIONI ▼ INDICI ▼

Il database, nato come parte di un progetto di ricerca sull'assetto istituzionale delle realtà politiche di Creta dal VII al I secolo a.C., si configura come una raccolta commentata di tutte le iscrizioni pertinenti alle istituzioni cretesi di tale periodo. Oltre alle edizioni dei testi epigrafici, sul database è possibile trovare informazioni sulle realtà politiche dell'isola e sulle loro istituzioni.



Case study 2: SigiDoc

SEALS AND DIGITAL HUMANITIES



Traditional
Research
Methods

Tools &
Tech



SIGIDOC IS...

*...an XML-based & TEI-compliant tool
and encoding standard for the digital
edition of Byzantine seals and the digital
conversion of paper-published editions*

SigiDoc's genealogy

XML – eXtensible Markup Language



<https://tei-c.org/>

TEI XML

EpiDoc



<https://sourceforge.net/p/epidoc/wiki/Home/>

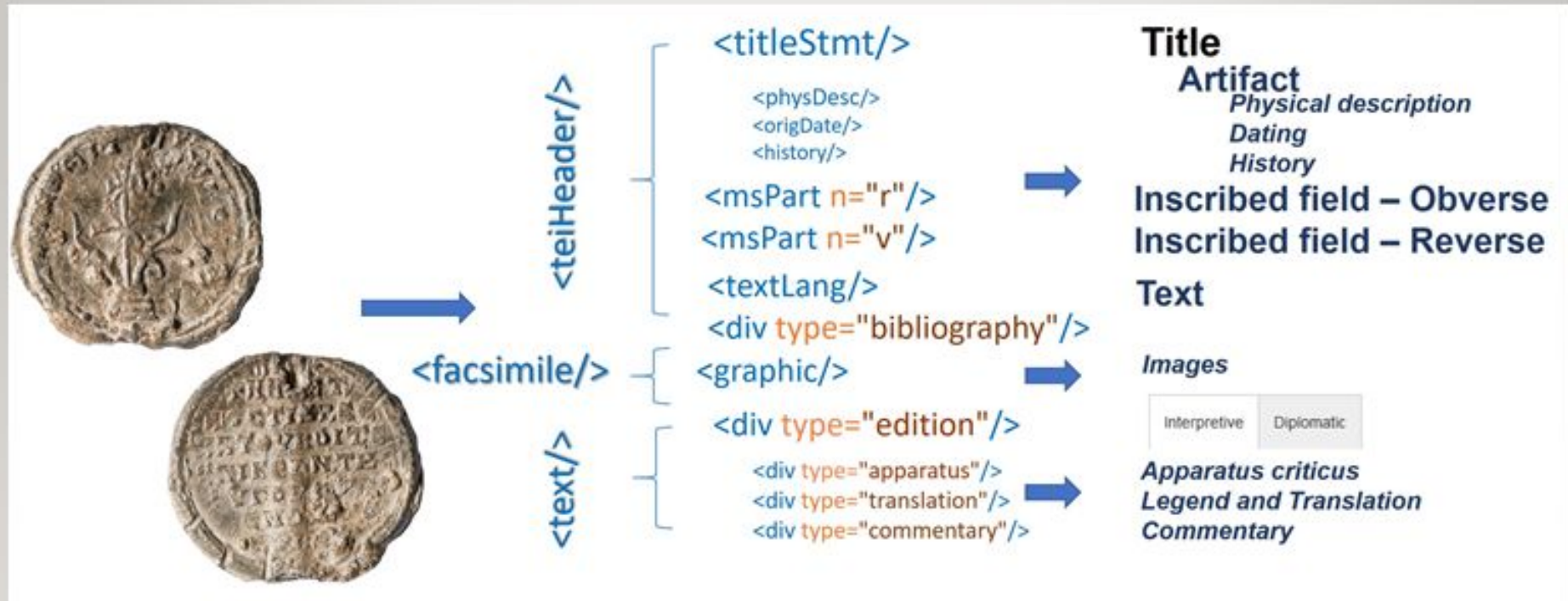
EFES

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<https://github.com/EpiDoc/EFES/wiki>

SigiDoc

The structure of a Sigidoc XML file: the template for the edition of a Byzantine seal



From the seal (left) to the EFES-generated webpage (right), through the SigiDoc XML template (middle)

EFES workflow and publication



User Guide

<https://github.com/EpiDoc/EFES/wiki/User-Guide>

What you can do with EFES:



- Desktop collection of encoded documents
- Visualisation tool for a publicly available dataset of .xml docs (GitHub)
- Online publication

⇒ web development; server