The digital critical edition of the account books. The case of the female monastery of SS. Pietro and Sebastiano

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Introduction
The purpose of this project is to produce some digital editions of the second half of the XV century account books from the archive of the Dominican monastery of SS.Pietro and Sebastiano on DEPCHA (Digital Edition Publishing Cooperative for Historical Accounts). It creates a publication hub for digital editions, converting multiple formats into RDF and allows the usage of various retrieval and visualization functionalities, as well as interoperability and reuse of information for the semantic web in the sense of Linked Open Data. The account books are preserved in the State Archives of Naples (ASN) and they aren’t published online yet. These books are a part of an ancient archive, which is partially reproduced digitally on Monasterium.net (charters and private deeds).

Workflow

Preliminary phase:
- Transcription of the account books
- Training of the Transkribus software for the creation of the HTR model of the cursive script of XV century

Digitalization phase:
- Markup in XML/TEI
- Use of software Oxygen
The data will be marked with special tags. The markup operation can also be done directly with the editor integrated in DEPCHA and you can download the XML file that you create while using the editor.
- Converting data from XML/TEI to XML/RDF

«In the company» phase:
- Identification and data processing related to the history of vegetation, the dynamics of the use of land and ecology, which will be useful for the reconstruction of the landscape, in collaboration with the MUSA - Museum of Agricultural Sciences and SpinVector company.
- Data reproduction on a 3D map.

Conclusions
We are in the early stages of the work and we are planning the critical edition. At the moment ten account books, that are preserved in the State Archives of Naples (ASN), have been digitalized. At the end of the project, it is expected to have:
- Digital edition of the account books
- Data related to the history of vegetation, the dynamics of the use of land and ecology reproduced on an interactive 3D map

References

To see the digital archive of SS. Pietro and Sebastiano on Monasterium scan here

For more information about DEPCHA scan here

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