



How to detect institutional and regional feature clusters in late medieval charters?

Sébastien Barret, Dominique Stutzmann, Niklas Tscherne, Georg Vogeler,
Nicole Bergk Pinto, Marlène Helias-Baron, Johannes Laroche, Geneviève
Roumier, Jacqueline Schindler

► To cite this version:

Sébastien Barret, Dominique Stutzmann, Niklas Tscherne, Georg Vogeler, Nicole Bergk Pinto, et al.. How to detect institutional and regional feature clusters in late medieval charters?: Collaboration between more and less digital humanists in the project BeCoRe. ADHO Digital Humanities Conference 2023 : Collaboration as Opportunity, Jul 2023, Graz, Austria. 2023. halshs-04318282

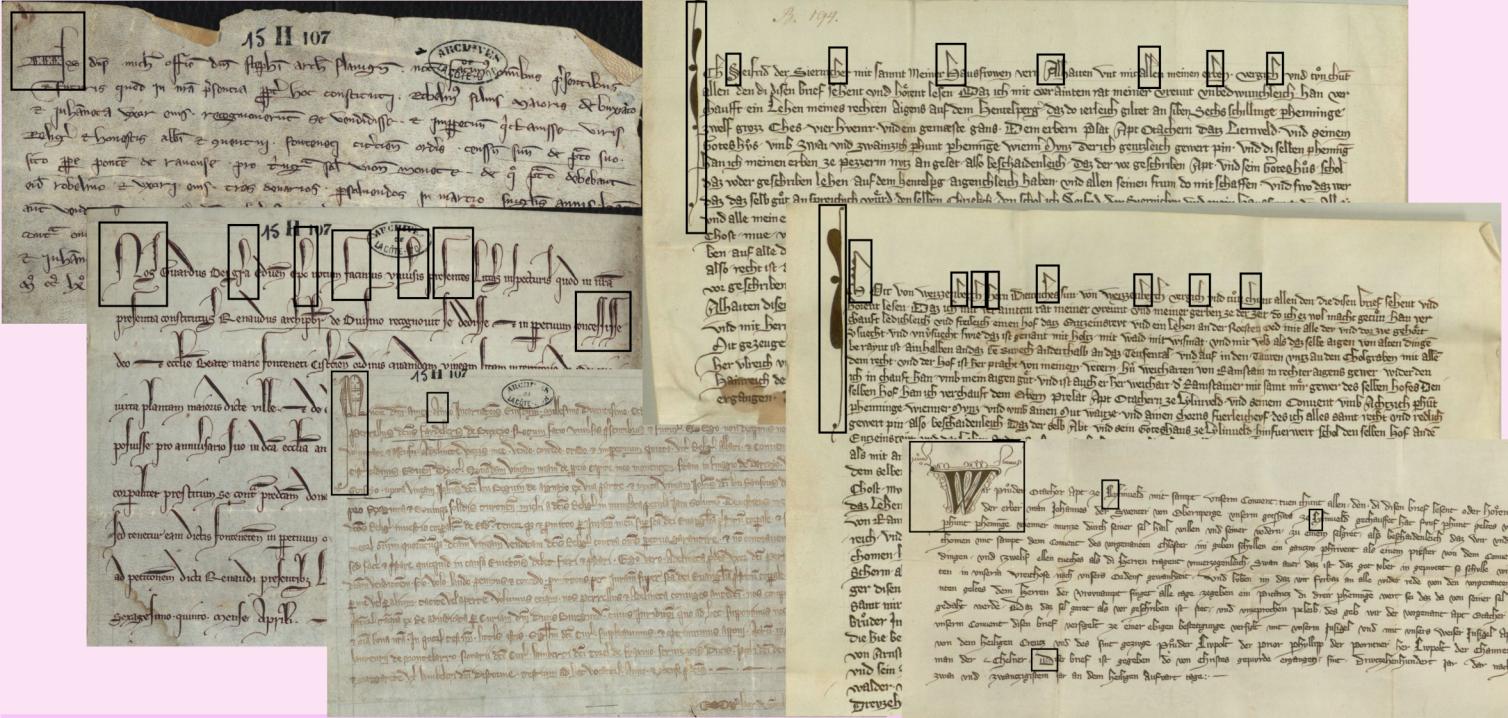
HAL Id: halshs-04318282

<https://shs.hal.science/halshs-04318282>

Submitted on 5 Dec 2023

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



How to detect institutional and regional feature clusters in late mediaeval charters?

Collaboration between more and less digital humanists in the project BeCoRe

Project: Between Composition and Reception:
the Authority of Medieval Charters (BeCoRe,
ANR-19-CE27-0021 / FWF I 4502 Internationale
Projekte)

Objectives: A study of the expression of power
in late mediaeval charters through their
graphical (primarily) and textual components

Challenges:

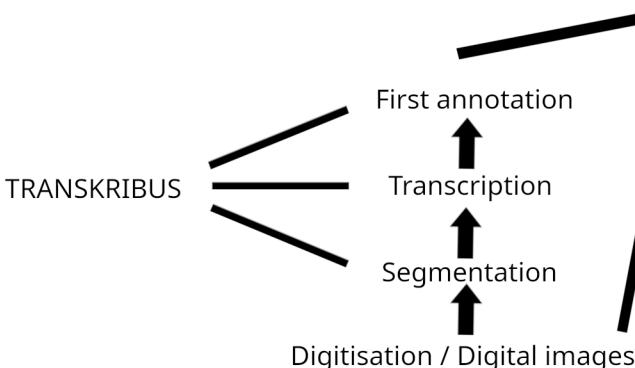
Definition and identification of the relevant,
historical objects and questions

Modelisation of this information for data ingest
and reuse

Exchanges at the scholarly and technical levels

Efficient workflow between persons of very
different backgrounds and expertise

Learning from each other!



People: sebastien.barret@irht.cnrs.fr,
nicole.bergk.pinto@chartes.psl.eu, m.helias@irht.cnrs.fr,
johannes.laroche@uni-graz.at,
genevieve.roumier@irht.cnrs.fr, jacqueline.schindler@gmx.at
dominique.stutzmann@irht.cnrs.fr, niklas.tscherne@uni-
graz.at, georg.vogeler@uni-graz.at

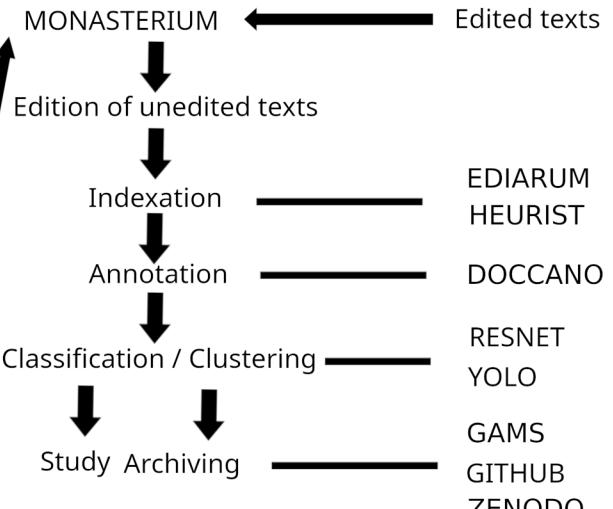
Hypotheses: use of sets and subsets of graphical
features as markers of power (large spaces and margins,
ornation of script, esp. initials and first lines...) and
possible regional/graphical "vocabularies", forming
recurring patterns

Data: A selection of monastic archives in France (Cluny,
Fontenay) and Austria (Lambach, Göttweig, Lilienfeld)

Methods: A combination of traditional diplomatics
(analysis of charters), palaeography (study of scripts and
materiality) and text edition with image detection and
classification, unsupervised clustering in order to work
with large, digitised corpora

Tools: transcription platform (Transkribus), edition
platform (Monasterium.net...), edition and indexation
tools and modules (Ediarum...), databases and -
repositories (Heurist, GitLab); classification and clustering
models and algorithms (ResNet, YOLO...); and traditional
bibliographies and books!

Formats and conversions: TEI XML and its charter
specific dialect CEI, XSLT, XQuery, png, txt, CSV, JSON,
coco, Python



Blog: drd.hypotheses.org/anr-fwf-becore



IRHT
Institut de recherche
et d'histoire des textes

CAMPUS CONDORCET
PARIS - AUBERVILLIERS

anr® agence nationale
de la recherche

mōm

FWF Österreichischer
Wissenschaftsfonds



ZM