

# DiDip

## From Digital to Distant Diplomats



CURRENTLY ONLINE

231 Archives

1983 Fonds

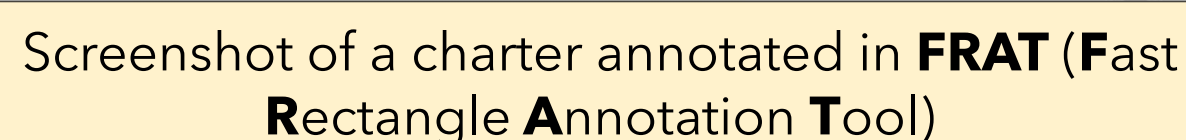
197 collections

663429 charters

925271 images

Screenshot from  
Monasterium.net as  
of May 28th 2023

- number of 14<sup>th</sup> and 15<sup>th</sup> century documents in Central and Southern Europe is beyond the capacity of a single researcher: e.g. **Monasterium.net** contains over 600,000 charters from all over Europe (majorly Germany, Italy, Austria, Slovakia, Czech Republic, Hungary)
- Manual detection of charter features for datasets this large is not possible!



- ground truth of a random selection of 1000 charters from the Monasterium.net corpus
- reformulating layout analysis as an **object detection problem** instead of the typical image segmentation approach
- defined a group of visual elements of charters in 11 different classes of interest in our future studies: "**Seal**", "**Writable Area**", "**Ornament**", "**Old Text**", "**Old Note**", "**New Text**", "**New Other**", "**Fold**" (i.e. Plica), "**Calibration Card**", "**No Class**" and "**Ignore**"

- ✓ between 97% and 70% accuracy depending on the class at a 50% intersection over union (IoU) threshold



? spread of humanistic charter script in the European context and an analysis of the humanistic networks behind it (Luger 2016)

Weilereder, Magdalena. *Spätmittelalterliche Notarsurkunden: Prokuratorien, beglaubigte Abschriften und Delegatensurkunden aus bayerischen und österreichischen Beständen*. Vol. 18. Archiv für Diplomatik. Beiheft. Köln, Wien: Böhlau, 2019.

? influences of public notaries on the authentication of charters in the late Middle Ages (Weileder 2019)