**Building a custom-made gazetteer: Workflow**

manual

semi-automated

automated

Process 4

*Spatial data*

Process 5

Process 3

Process 1

Process 2

Parsing raw data (full gazetteer) to place name and place description

extract.py

Digital mapping

Integrating the database into GIS platform

Locating unidentified places from place descriptions.

Quantifying textual distances and measures

Automatic geo-referencing (identifying) places.

Matching with external references

Places

דגכד

RuleWords

ManualPlaceCorrections

*Categorization of border typology*

*Categorization of place typology*

*Categorization of hierarchy*

Manual Proof-check relevancy by close-reading

Process 13

Filtering results

Layer: place type

Process 12

Adding districts field and creating an index.

Automatic extraction of hierarchy by identifying patterns from place descriptions

Process 8

Process 9

Process 10

Process 11

Adding a typology field and creating a lexicon.

Sorting external and internal borders

Automatic extraction of typology by identifying textual patterns from place descriptions.

Process 7

Process 6

Adding border type field.

Layer: administrative divisions (Polygons)

Layer: border type

Processes 14-16