



SCIENTIFIC OBJECTIVE

source data semantic data?

- status animarum: registers (births, dead,...) of the parishes
- taxation lists (e.g. toll gate lists, ...)
- but also in the framework of allready existing HISSTAT
- ..
- → a spatial coathanger for disperse (often uncoherent digitized) datasets (unavailable for other researchers)

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SCIENTIFIC OBJECTIVE

source data geometric data?

- map of the end of the 18th C. as a unique document
- but project must allow to be suitable for a larger timespan



SCIENTIFIC OBJECTIVE

- → definition of a project called STREAM = a Spatio-Temporal Research infrastructure for EArly Modern Flanders and Brabant
- → a meeting between historians discovering the space (spatial turn) and geographers and cartographers using historical maps in the digital era offering new opportunities

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SCIENTIFIC OBJECTIVE

why this period?'

just before of the industrial era, last signature of the Ancien Régime

but this is only the main application of a larger opportunity

retrogressive approach from actual situation to past situation



APPROACH two possibilities

1. digitize non georeferenced maps, each map sheet as a dataset:

advantage: respect of the source disadvantage: spatially incoherent

2. digitize in a georeferenced approach

advantage: spatio(temporal) analysis will be possible

disadvantage: interpretation of the space from the beginning of

the data collection

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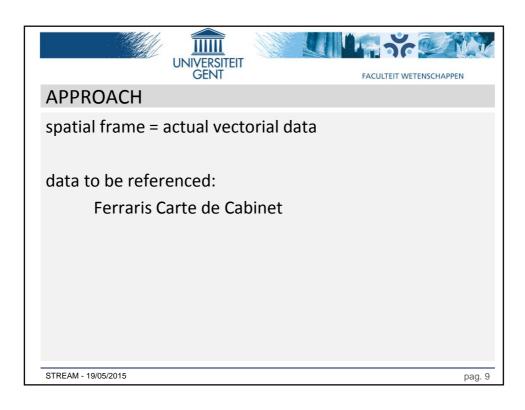
APPROACH 2 and option 2

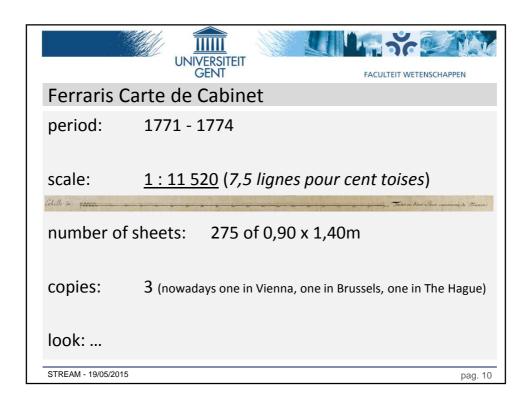
actual situation = actual vectorial dataset of spatial geometry

option 1: dataset of national mapping agency

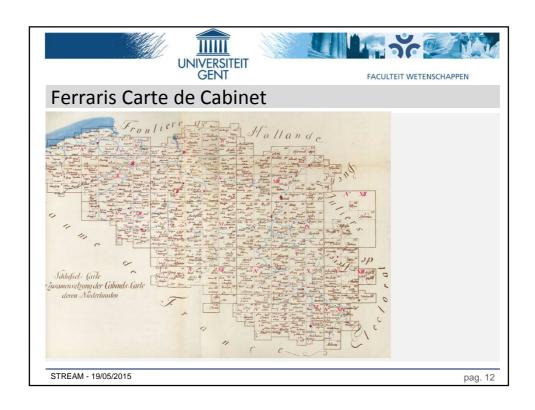
option 2: open dataset (e.g. openstreetmap)

opportunity to sign agreement with IGN-Belgium as a partner in project \rightarrow option 1

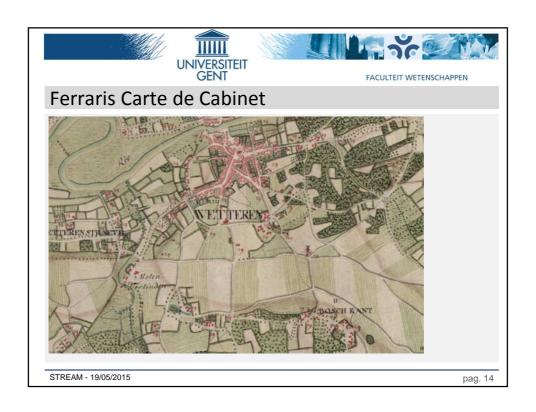


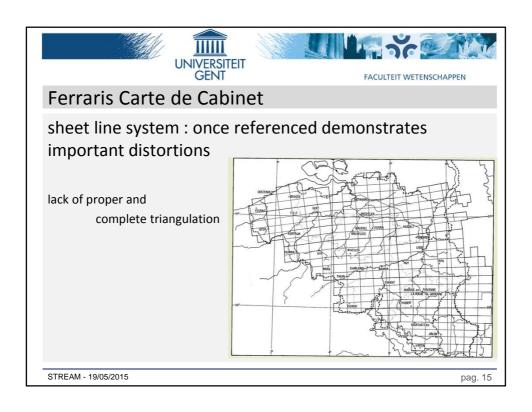


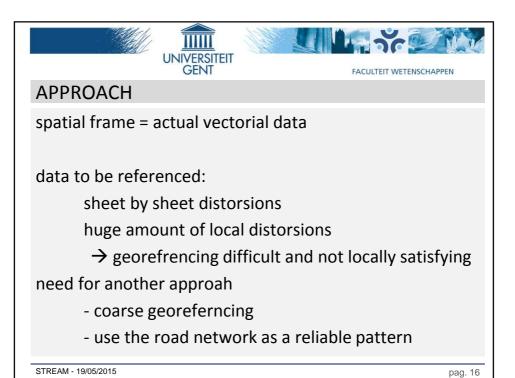


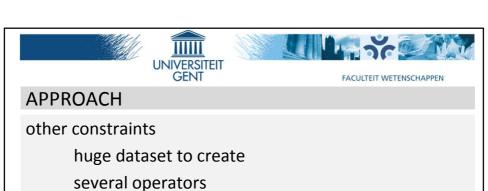












not skilled in GIS (historians, ...)

follow up of their interpretation and post-editing calculus

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...

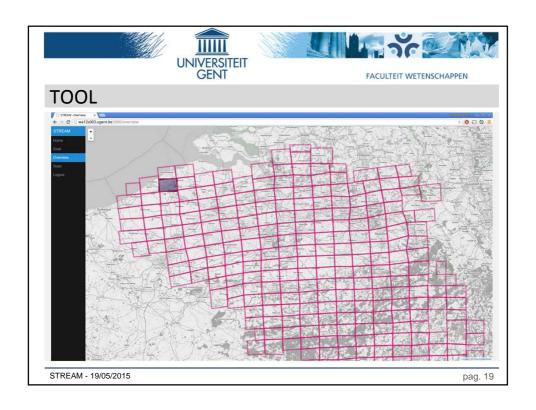
→ need of a specific tool

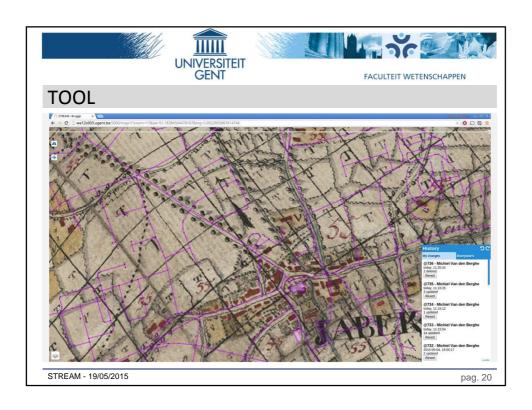
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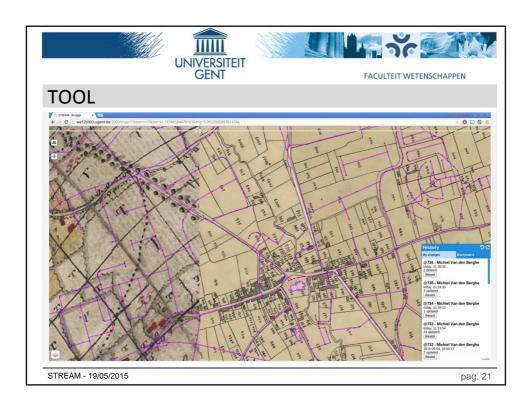


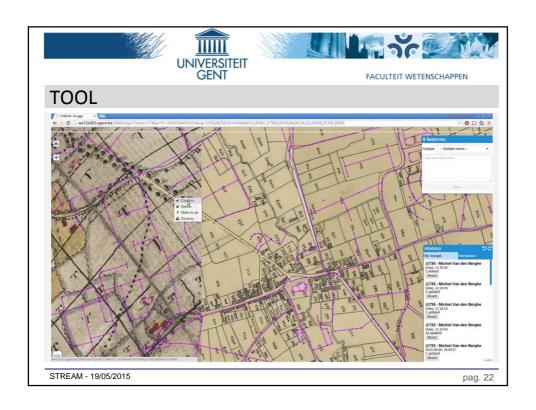
APPROACH

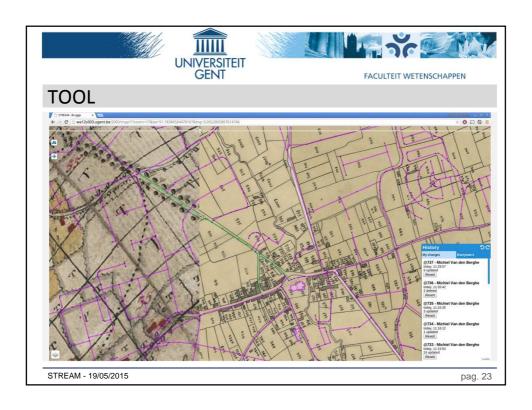
- → need of a specific tool
 - → reliable
 - → accessible for 'dummies' in GIS, but skilled in historical interpretation
 - → canvas of road network
 - → editing
 - → consulting different georeferenced maps avoiding layer on/off
 - → ...
 - → different timeslides must be possible in a later phase
 - → evaluation of reliability of edition work

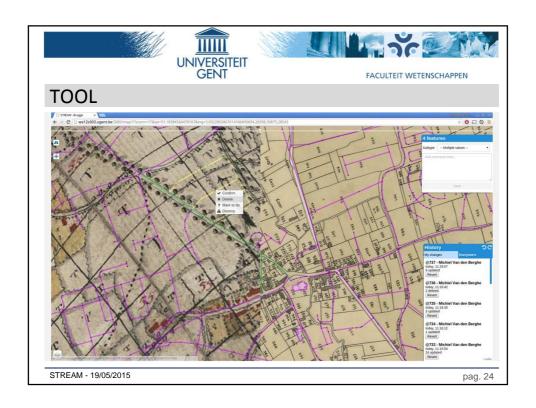


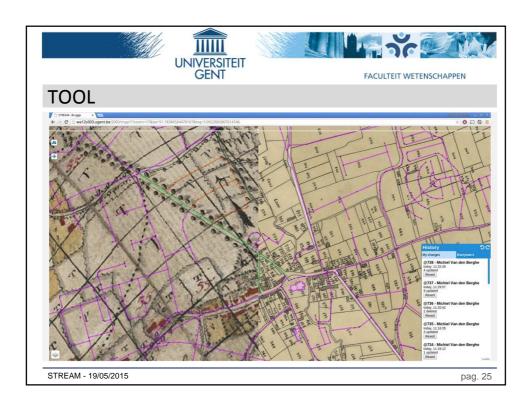


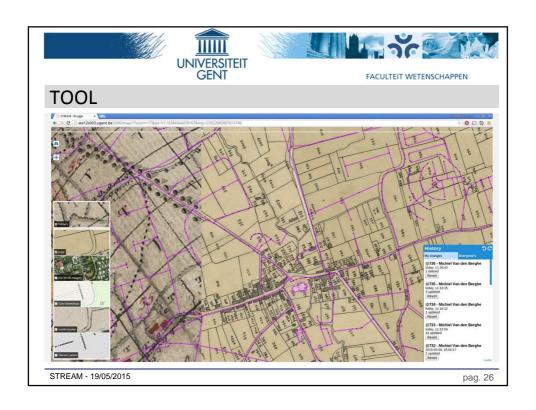


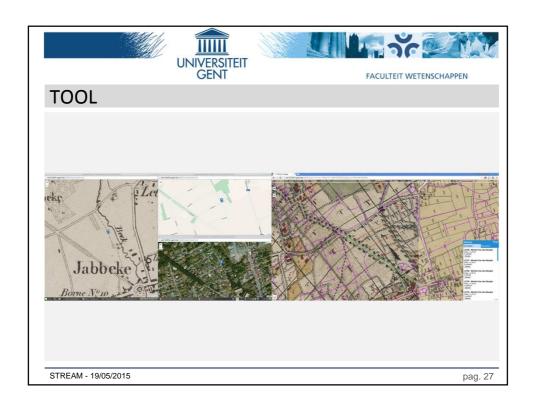




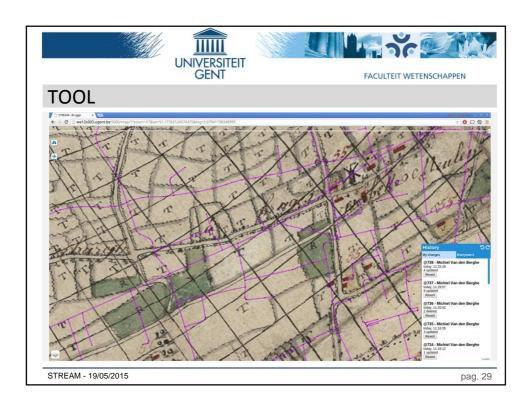


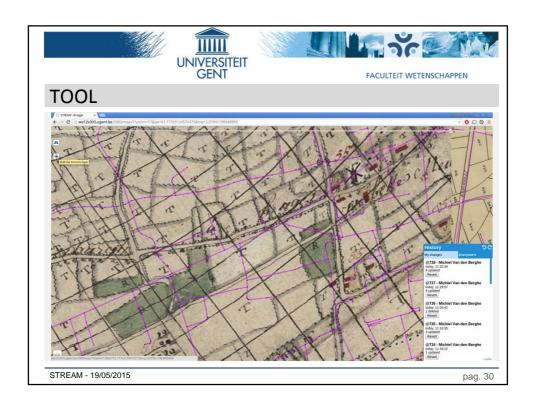


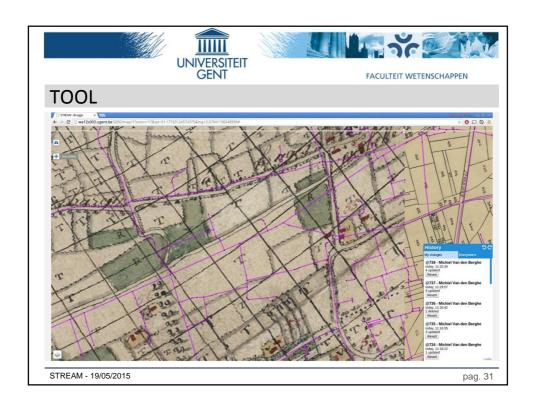


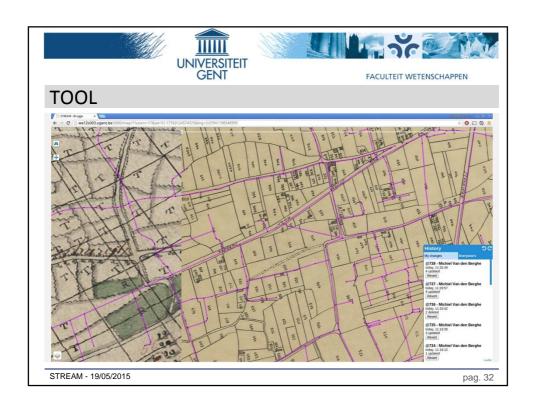


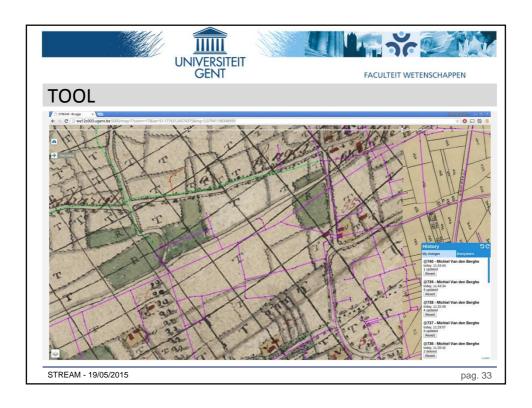














CONCLUSION

production started

STREAM vs. STREAM Light

originality

- vector database to which enrichment by semantic data will be possible
- retrogressive data creation, different time slides possible
- historical analysis will be possible with a reliable spatial component

