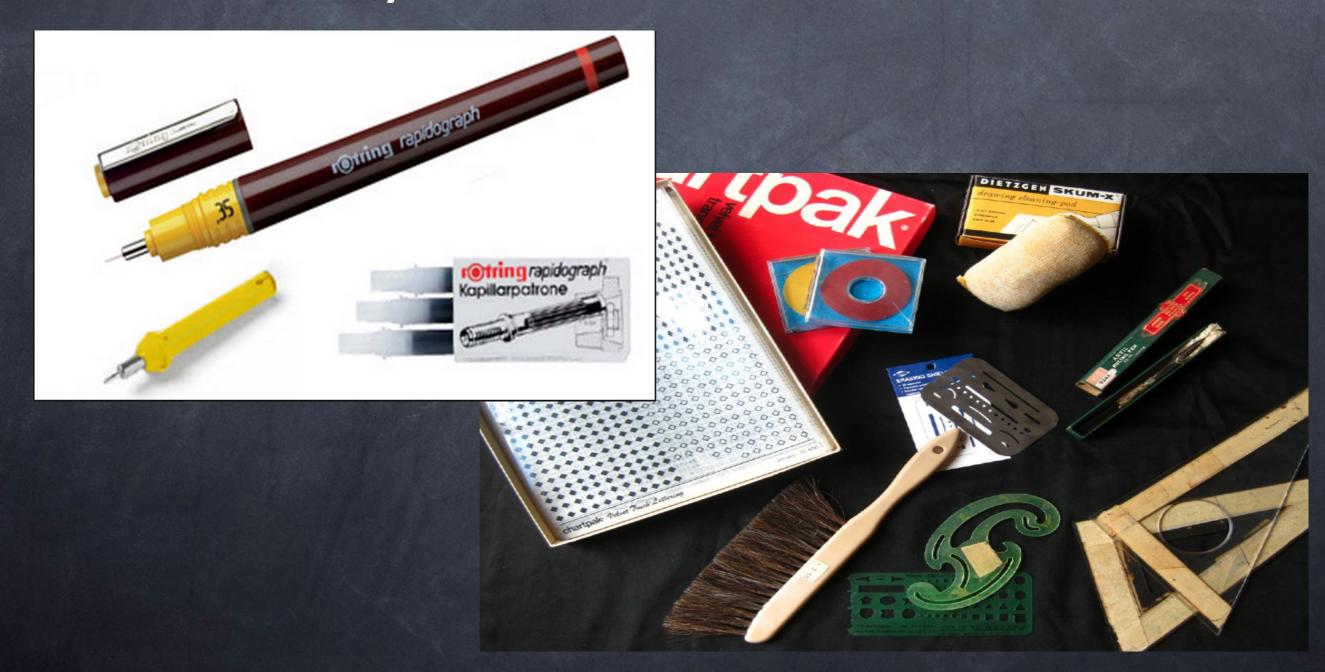
combination and comparison tools for Thematic Maps in a webservices environment



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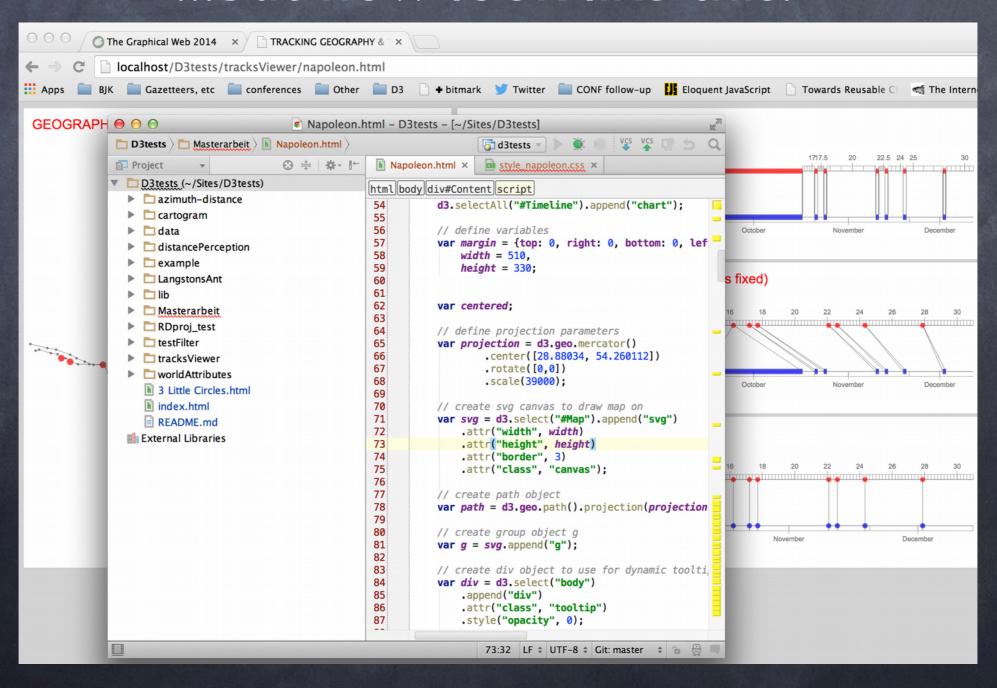
A change in my world

My tools once were these:



A change in my world

...but now look like this:

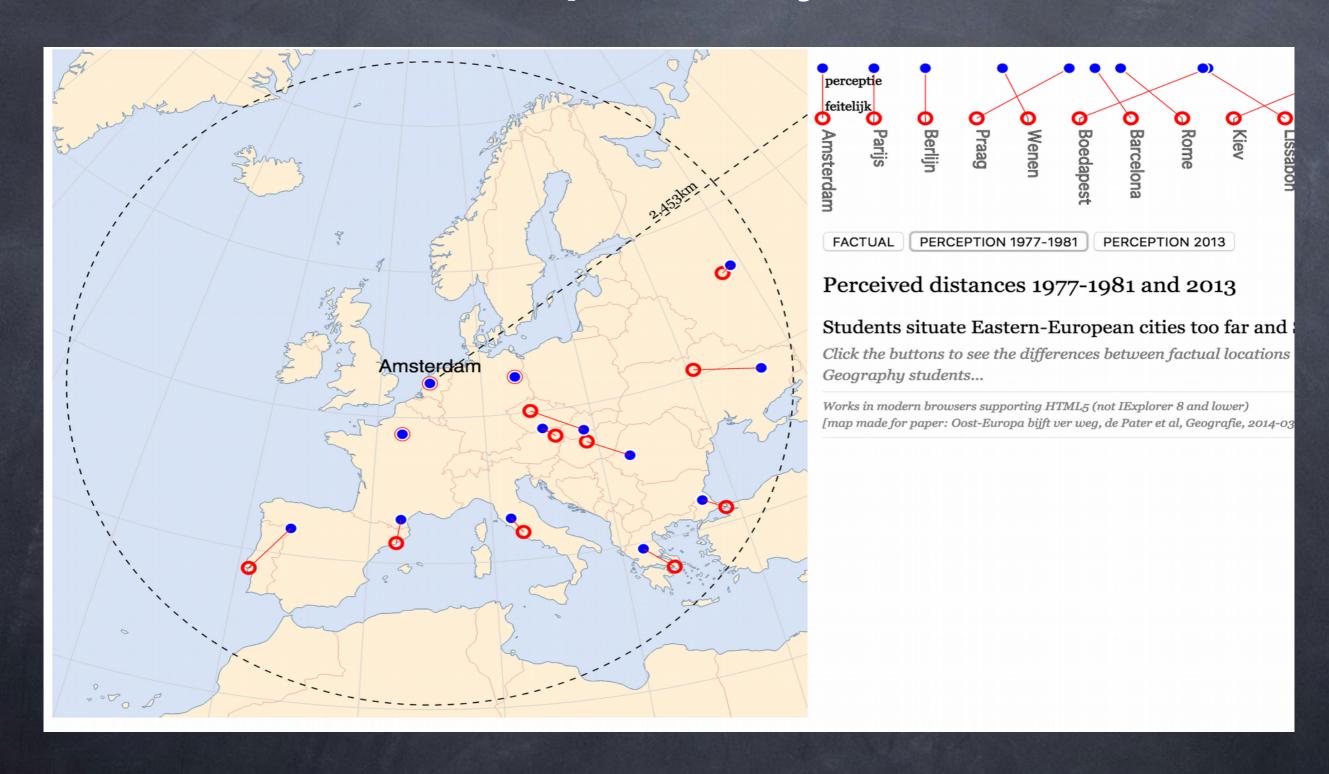


But my task is still the same: "show the story in the data"

But my task is still the same: "show the story in the data"

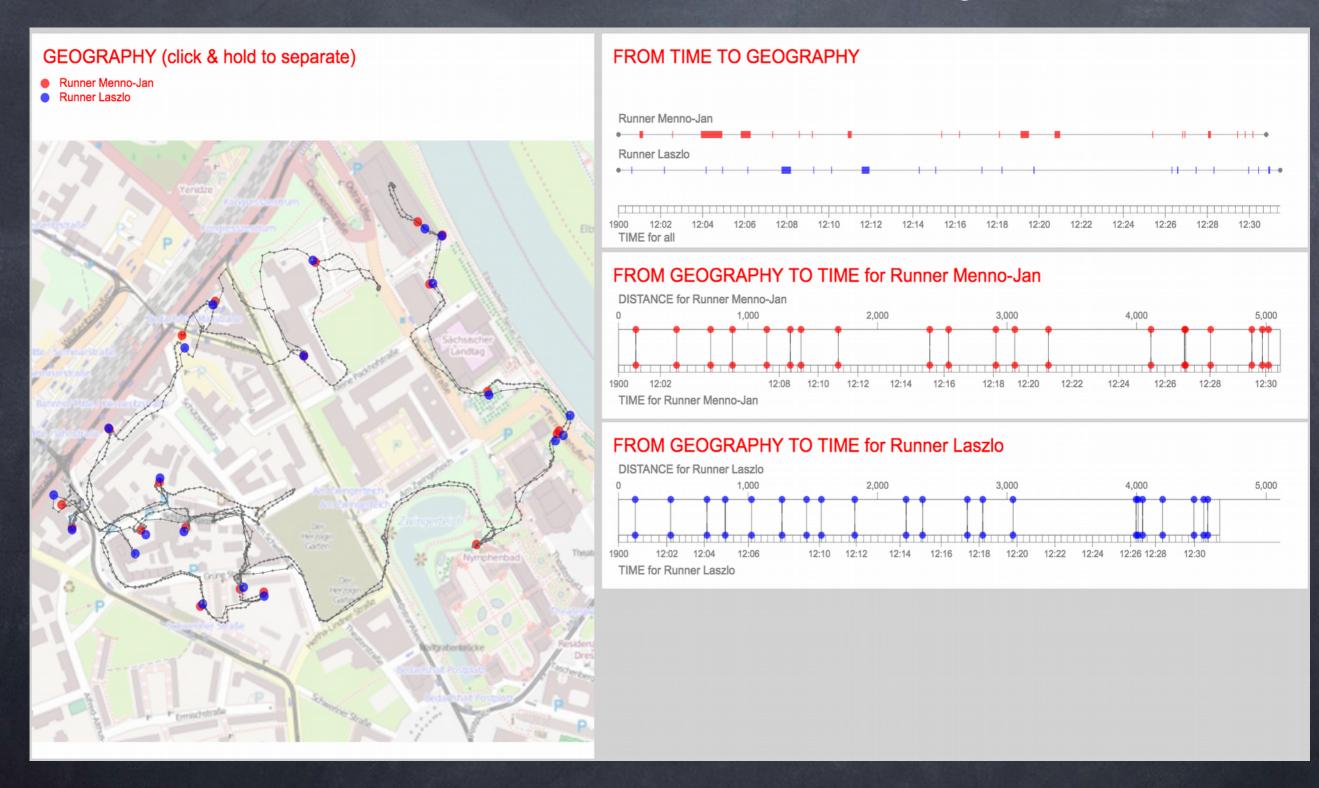
the cartographic intent

in simple ways...



kartoweb.itc.nl/D3tests/distanceperception/index_en.html

...or less simple ways



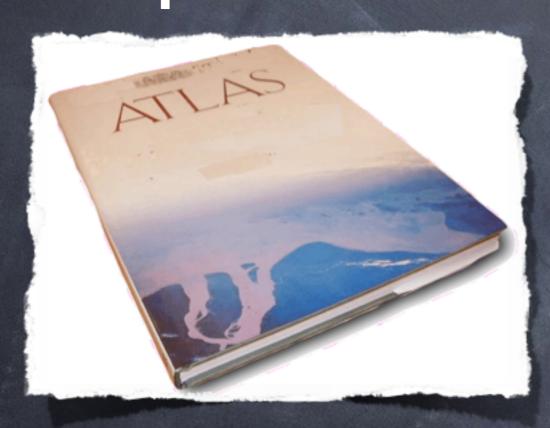
kartoweb.itc.nl/D3tests/tracksViewer/orienteering.html

...is often the way people get "the story"

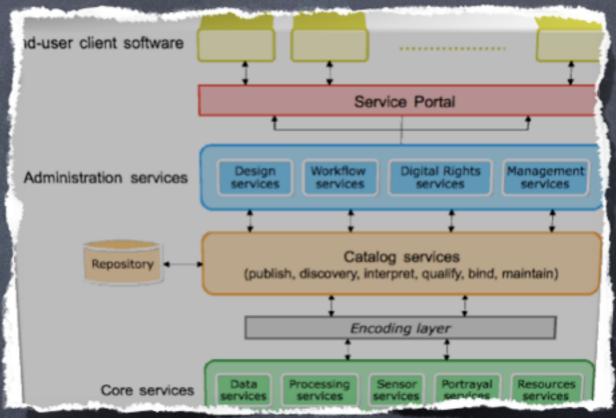
The new role of the cartographer

providing
(cartographic knowledge for)
tools that implement cartographic intent:

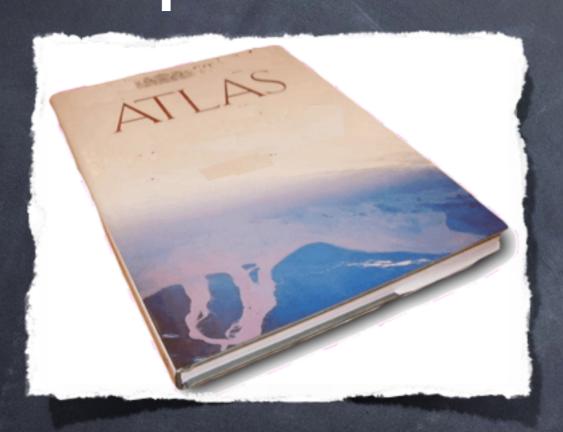
"code that thinks like a cartographer"

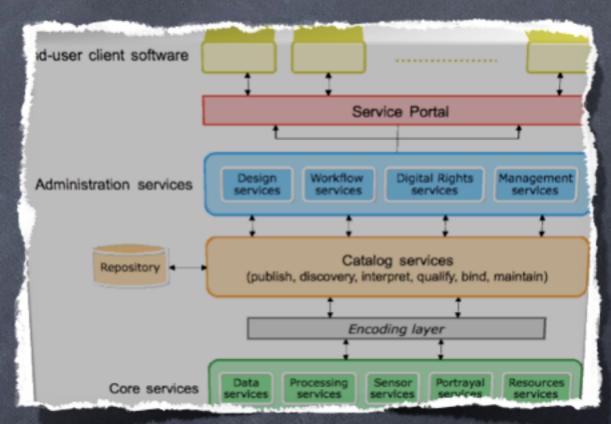


presents a synthesis optimised for visualisation



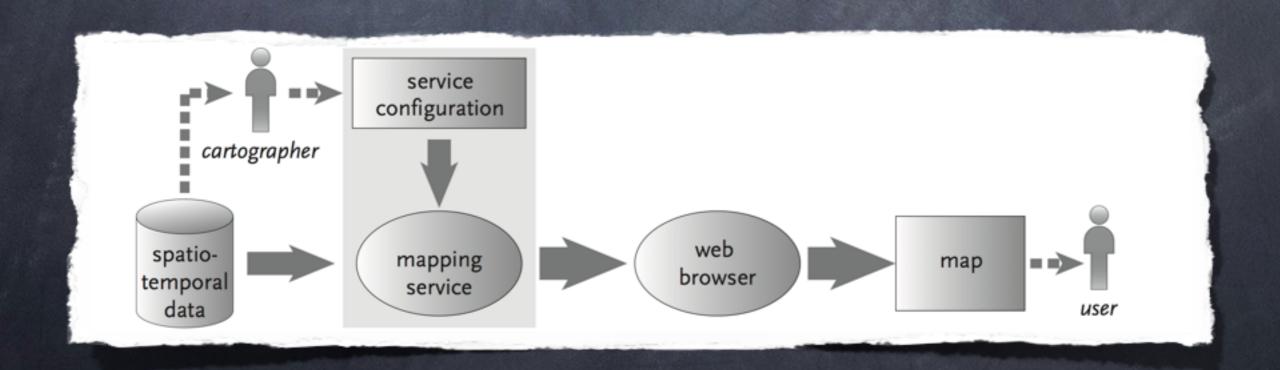
visualisation of separate data, not optimised for combinations (synergy)



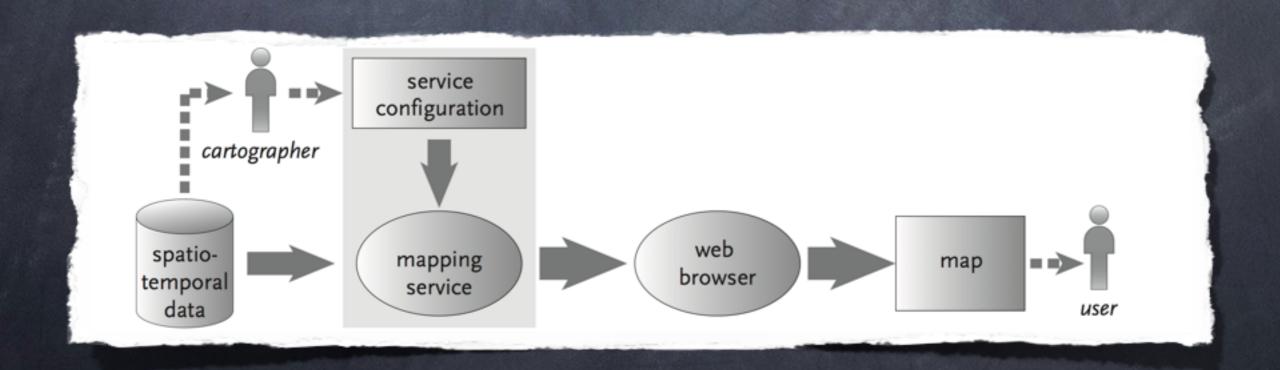


a combination of two different worlds

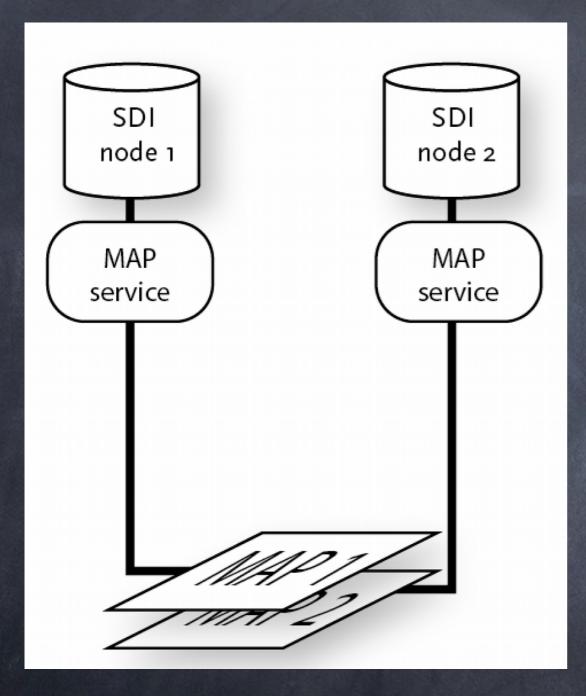
Mapping in a webservices environment



Mapping in a webservices environment as part of

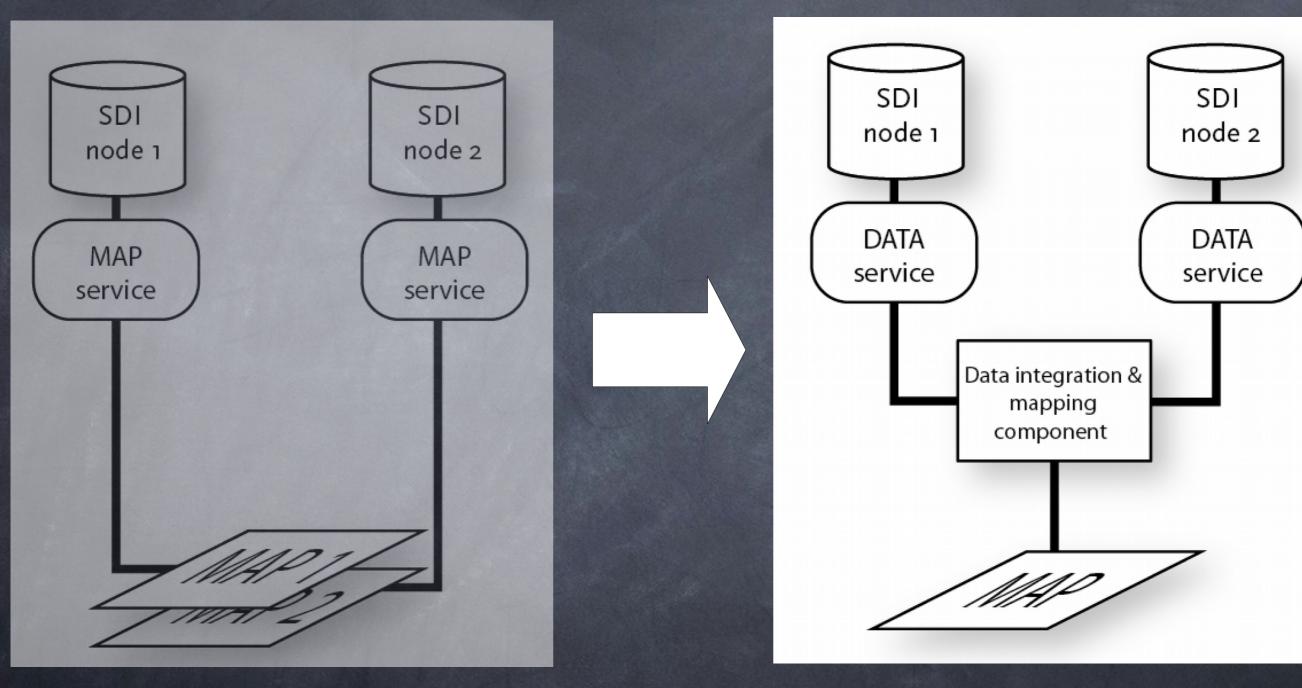


conceptual change needed



sub-optimal combination of arbitrary map layers

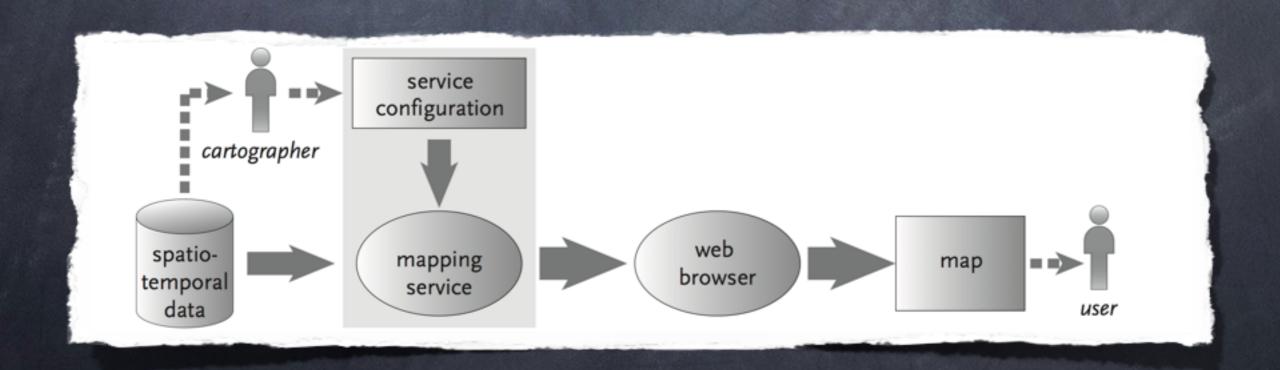
conceptual change needed



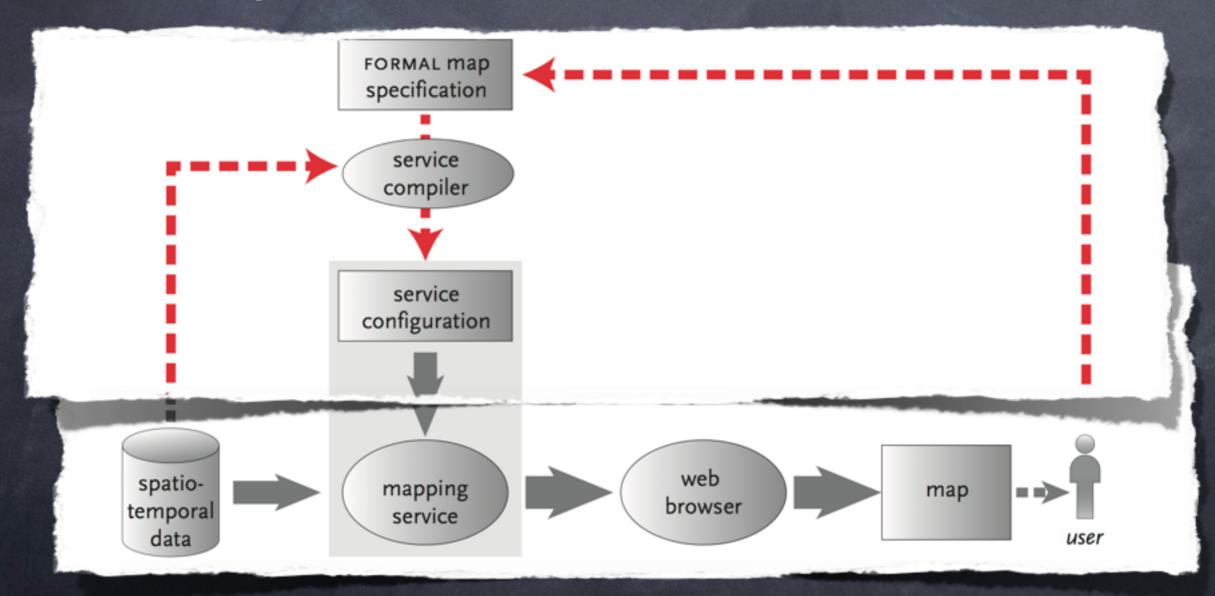
sub-optimal combination of arbitrary map layers

integrated mapping of data layers

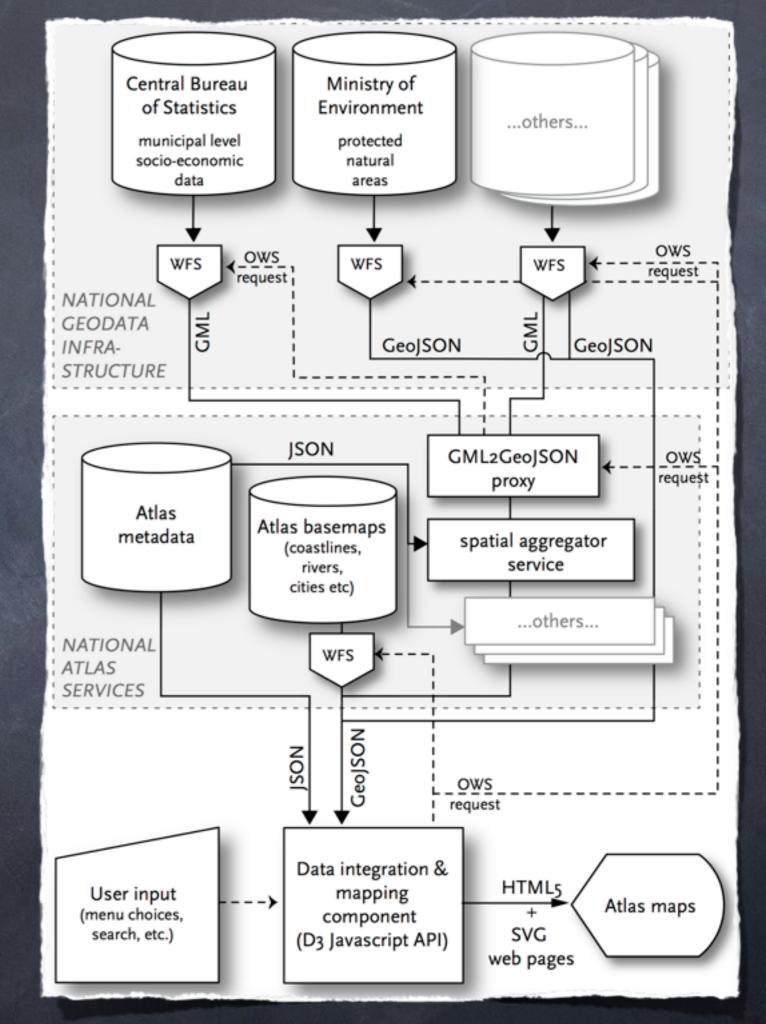
Mapping in a webservices environment as part of



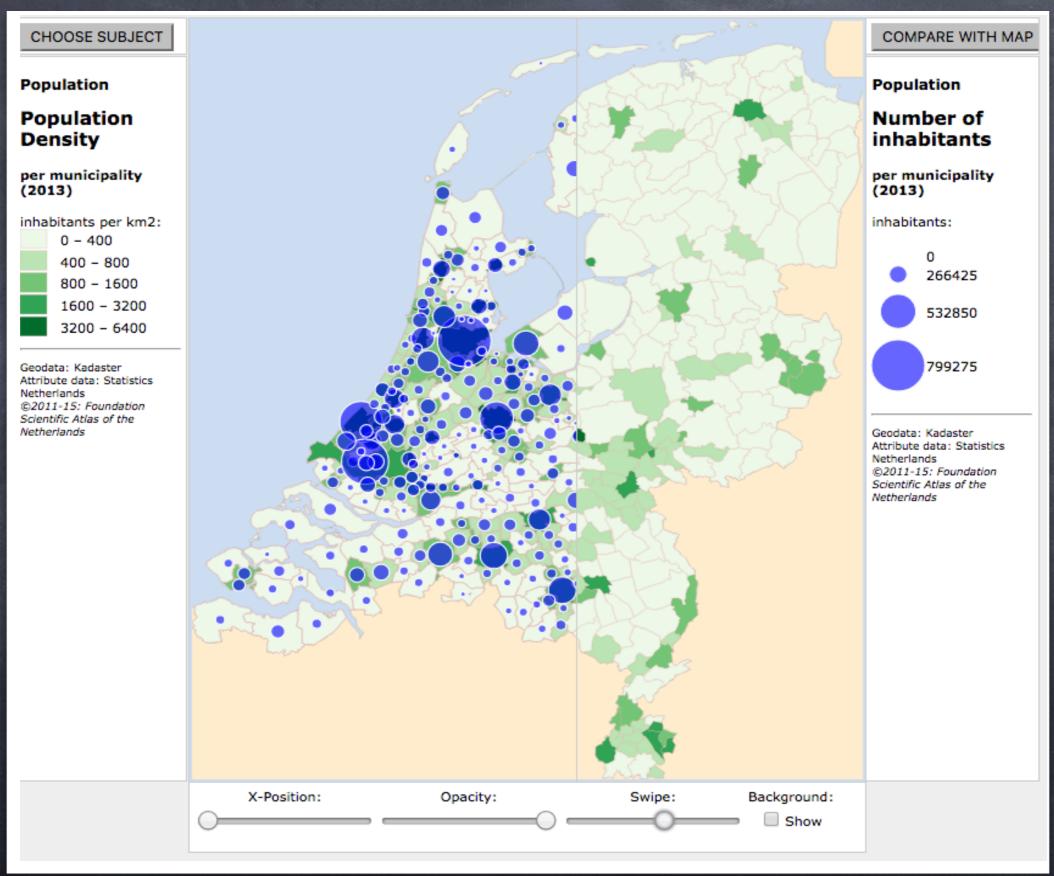
Mapping in a webservices environment as part of



Architecture



The Dutch National Atlas



www.nationaleatlas.nl

in theme:

- same place and time - different variables

in theme:

- same place and time different variables in space:
 - same variable different places
 - or same variable different aggregation

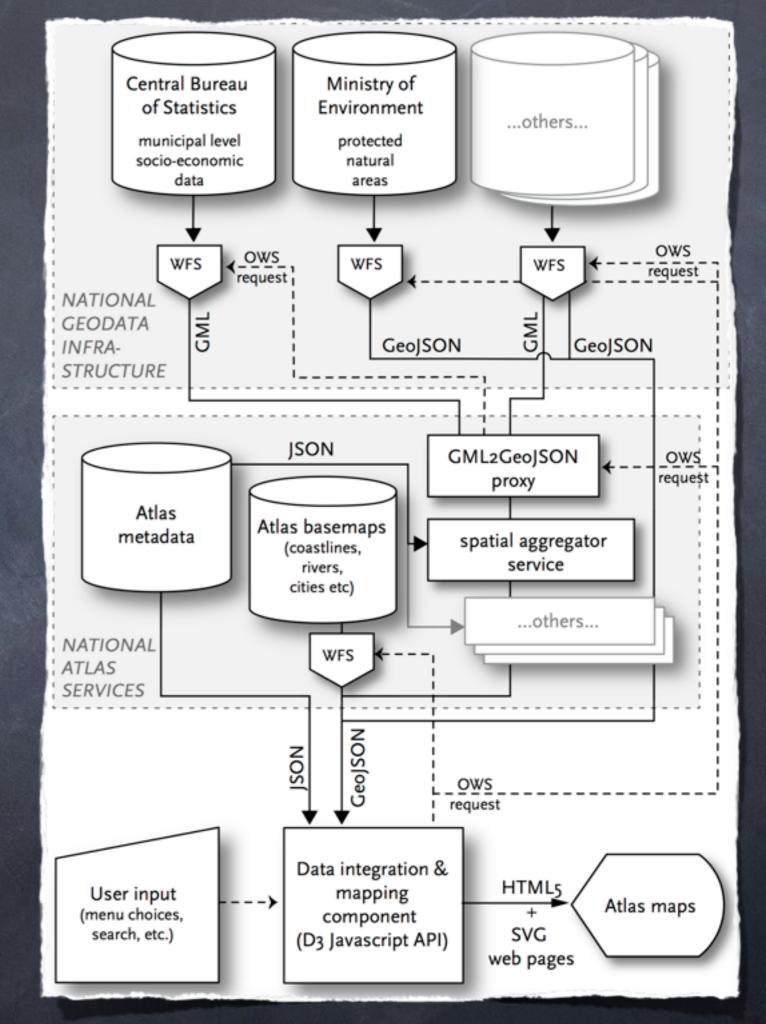
in theme:

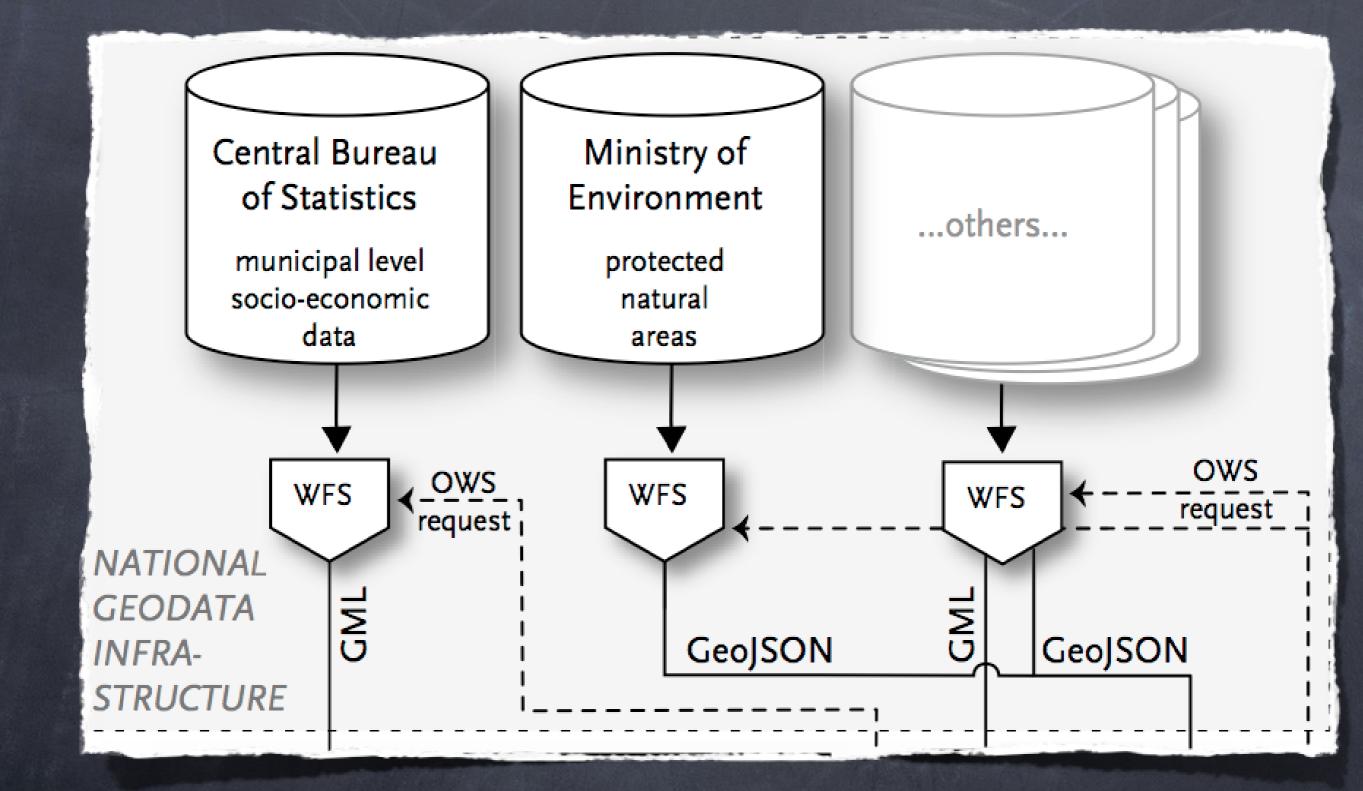
- same place and time different variables in space:
 - same variable different places
- or same variable different aggregation in time:
- same variable and place different times

in theme:

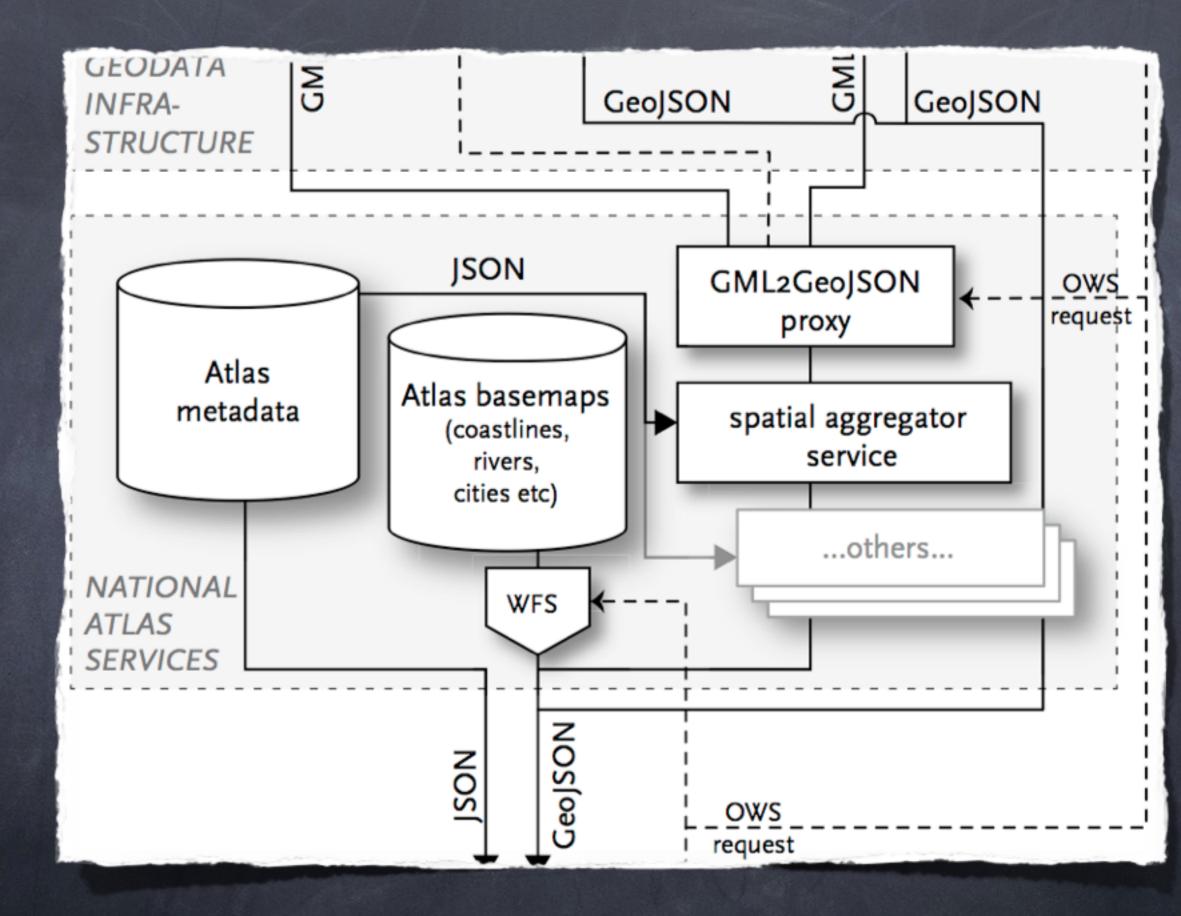
- same place and time different variables in space:
 - same variable different places
- or same variable different aggregation in time:
- same variable and place different times in expression:
- same place, time and variables different visual expressions

Architecture





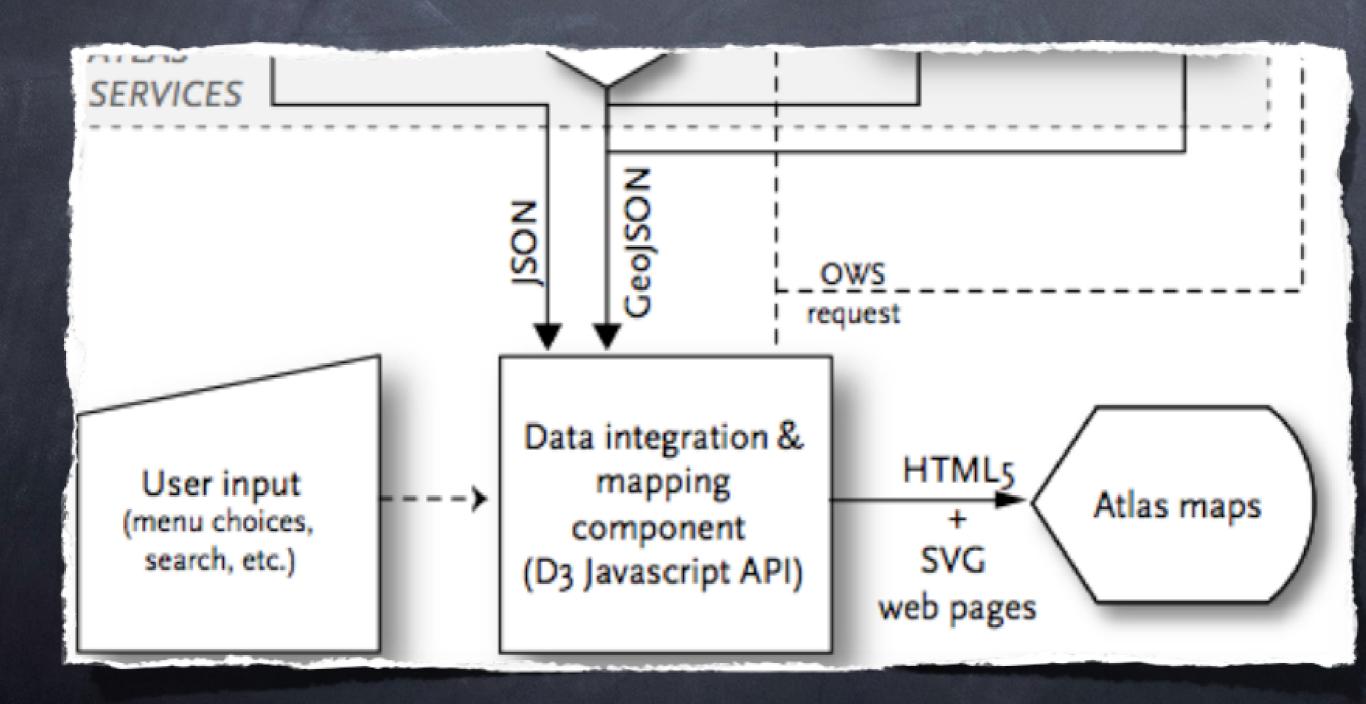
- use data services (WFS) requests
- GeoJSON where possible



ATLAS utility services & basedata

Atlas Viewer:

- based on the Open Web Platform
- uses D3 library



Thank you for your attention...

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