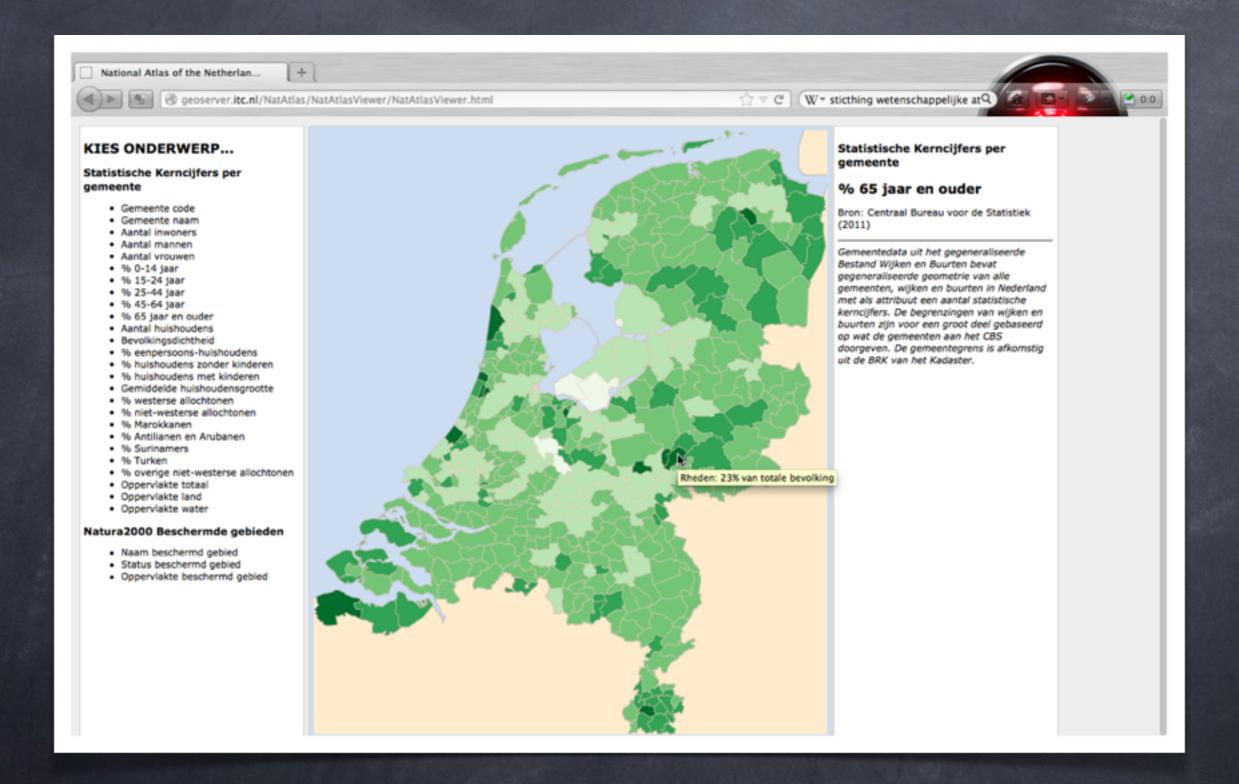


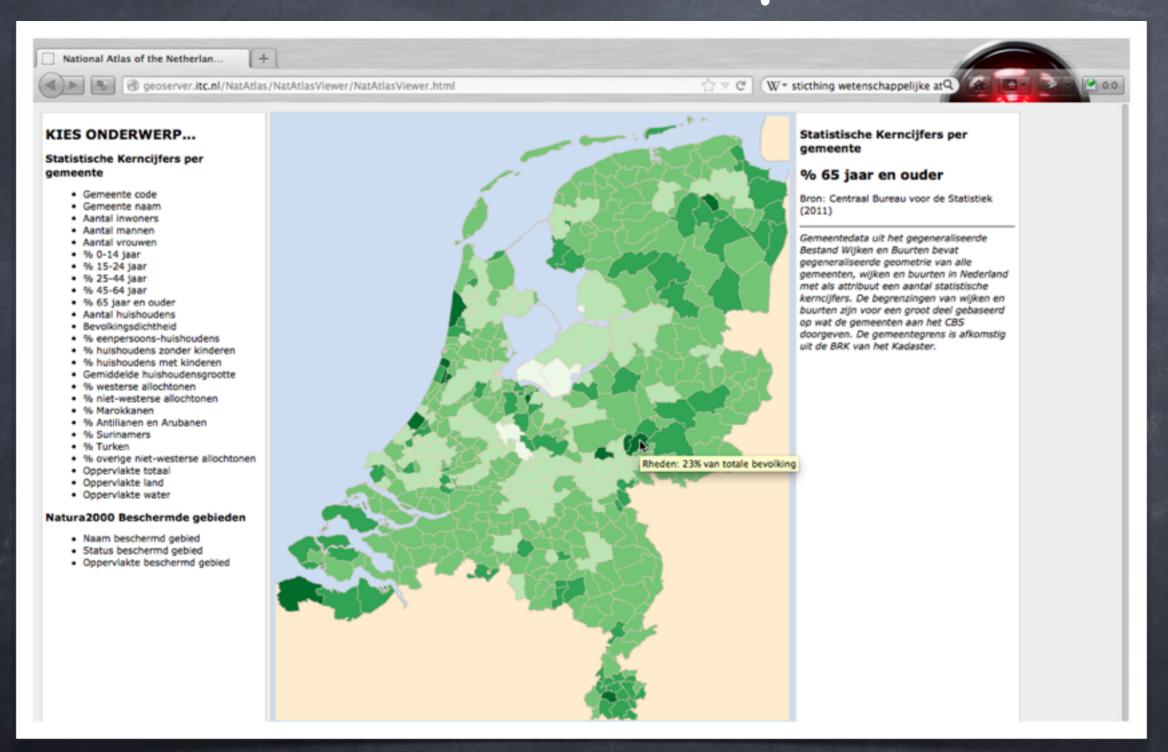
For details see: Cartographic Journal 50:3, pp. 225-231

Demo time!



www.nationaleatlas.nl

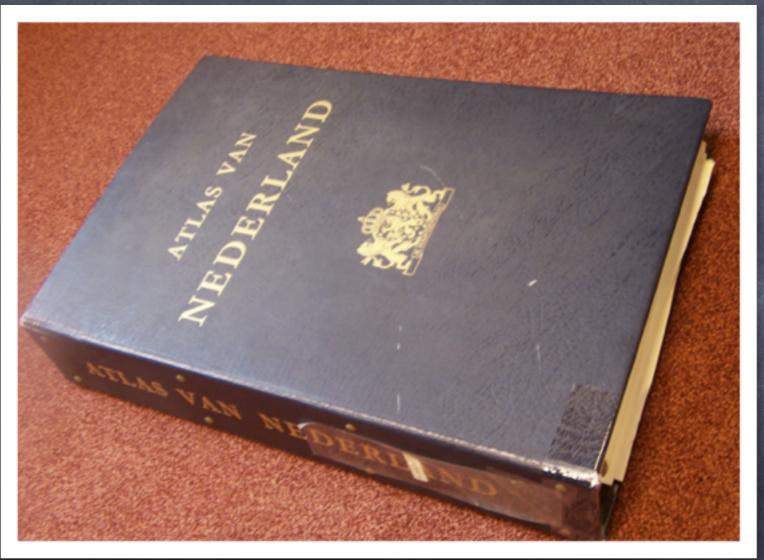
demo shows the "public face"



what's the story behind it?

Brief history of the Dutch National Atlas

Brief history of the Dutch National Atlas



1st edition (1963-1978)

Brief history of the Dutch National Atlas

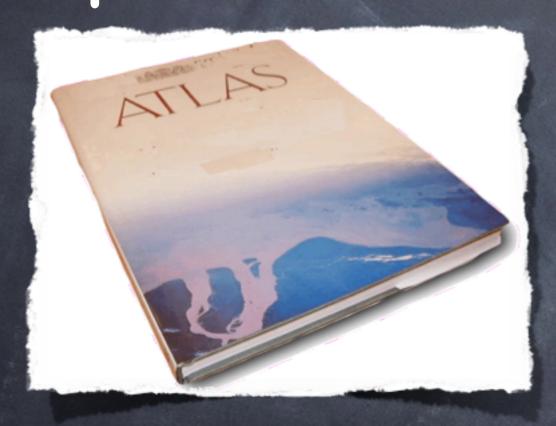


2nd edition (1989-1995)

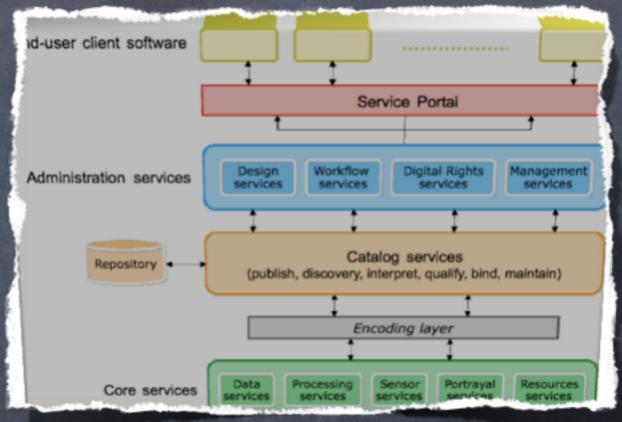
Brief history of the Dutch National Atlas

after 1998 government involvement and funding ended => limited and fragmented academic projects to keep atlas alive

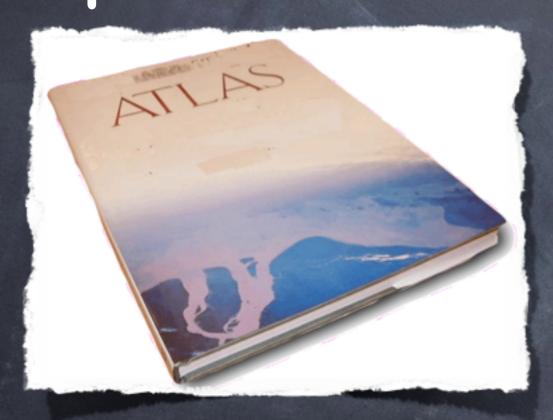
2000: digital facsimile of 2nd edition

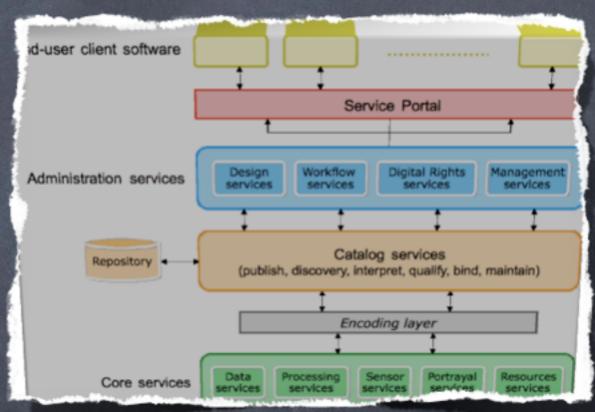


presents a synthesis optimised for visualisation



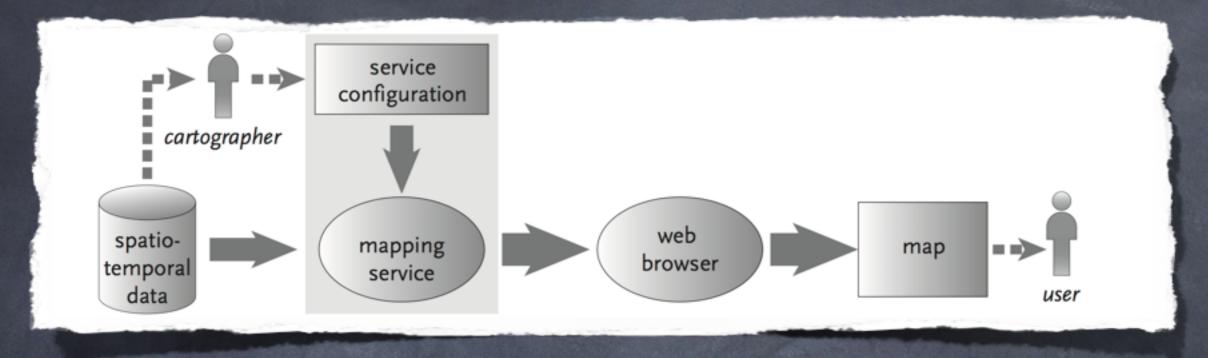
visualisation of separate data, not optimised for combinations (synergy)



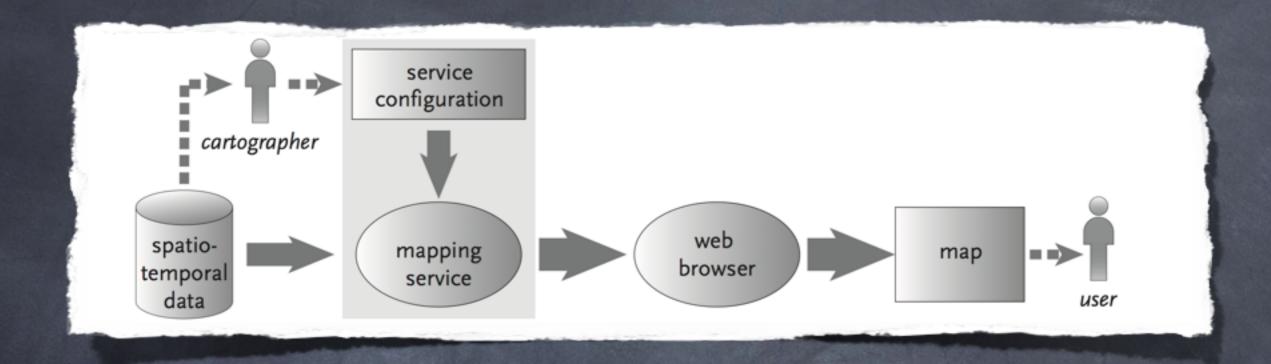


a combination of two different worlds

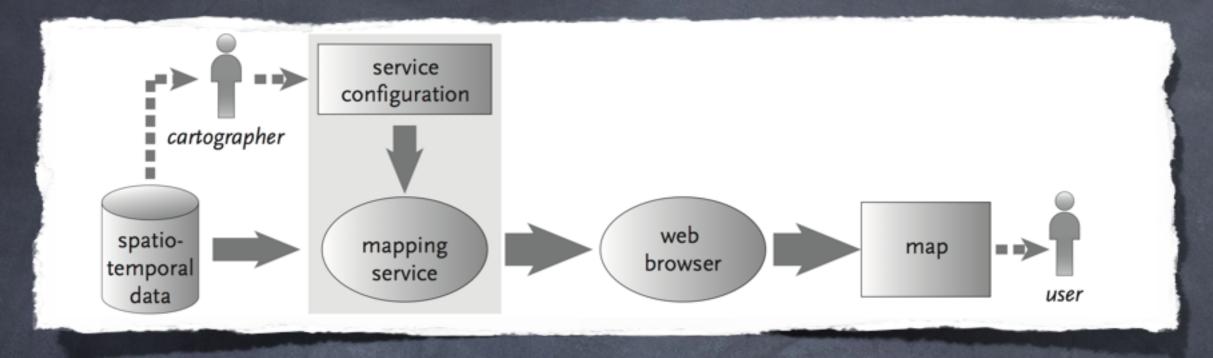
where the atlas is "just another SDI node"...



typical set-up nowadays

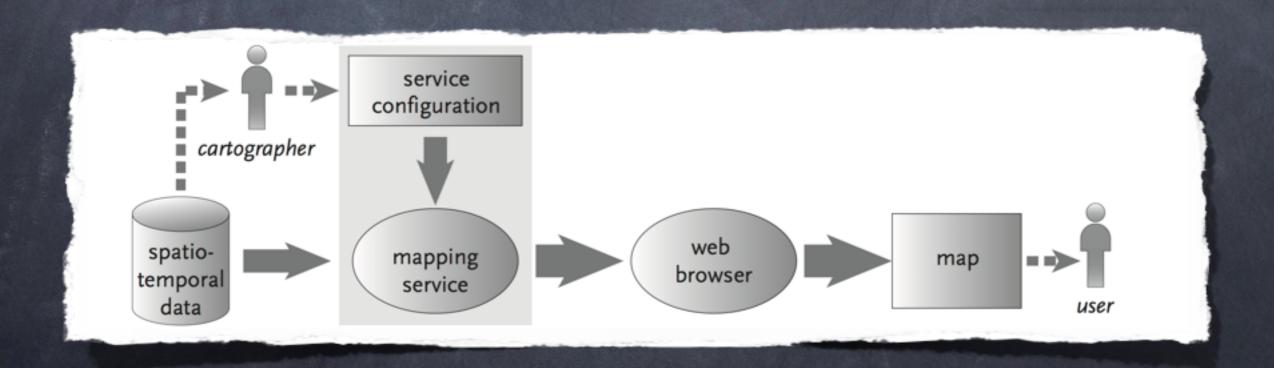


possibilities for <u>direct</u> and automatic production of maps

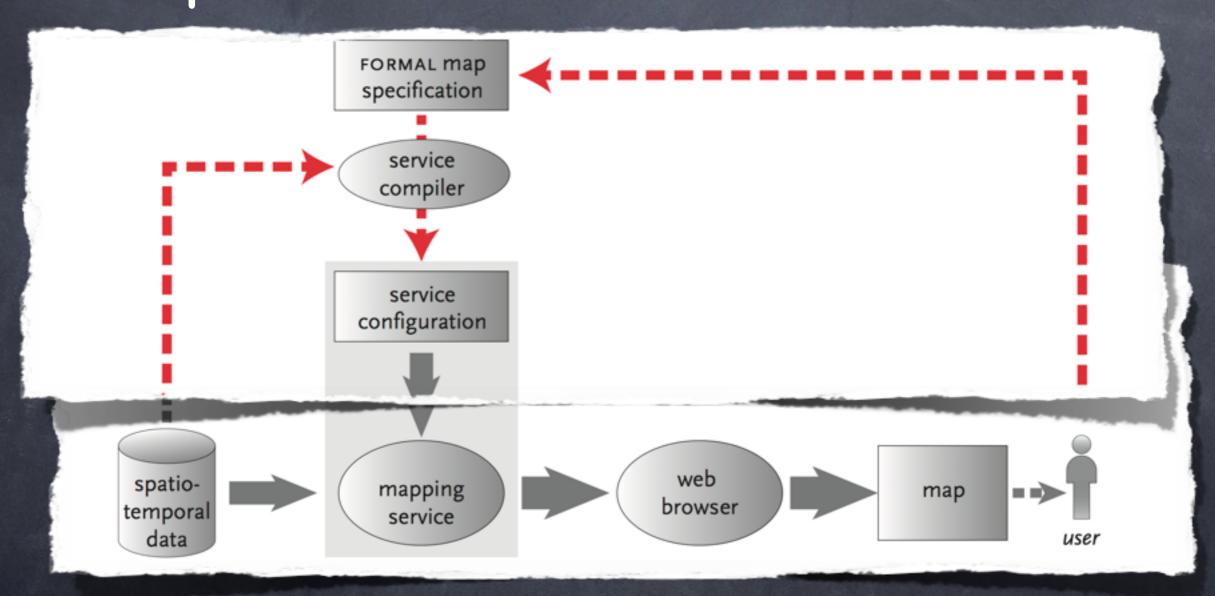


possibilities for direct and <u>automatic</u>
production of maps
...but "automatic" is limited:
cartographic decisions are fixed
beforehand

Mapping in a webservices environment as part of

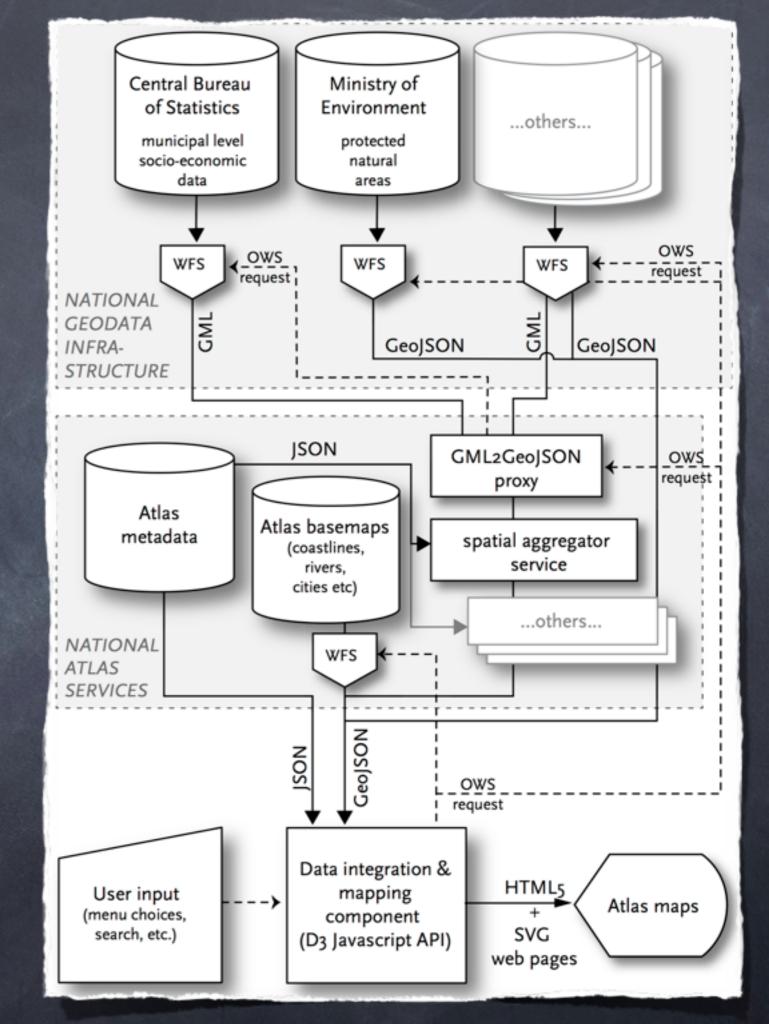


Mapping in a webservices environment as part of



direction of research

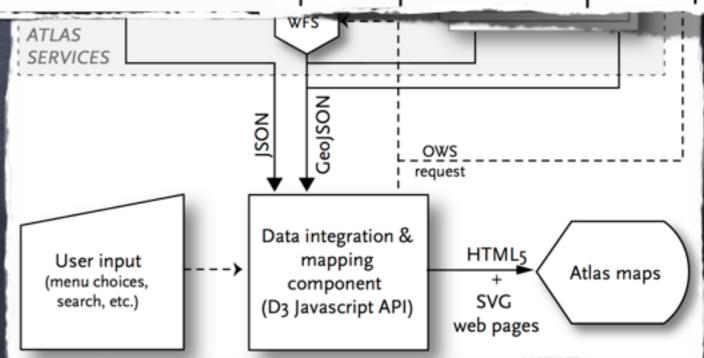
Architecture

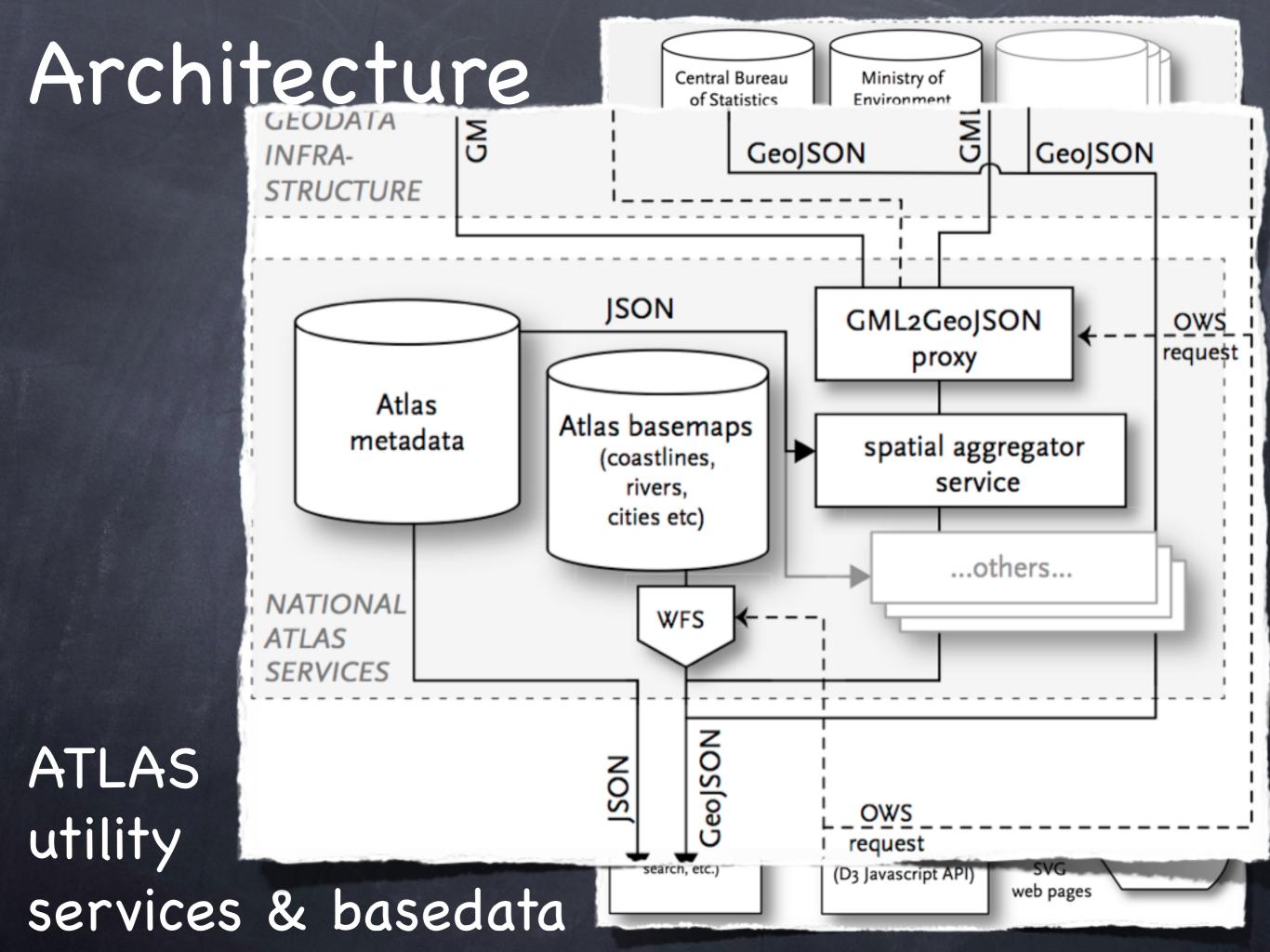


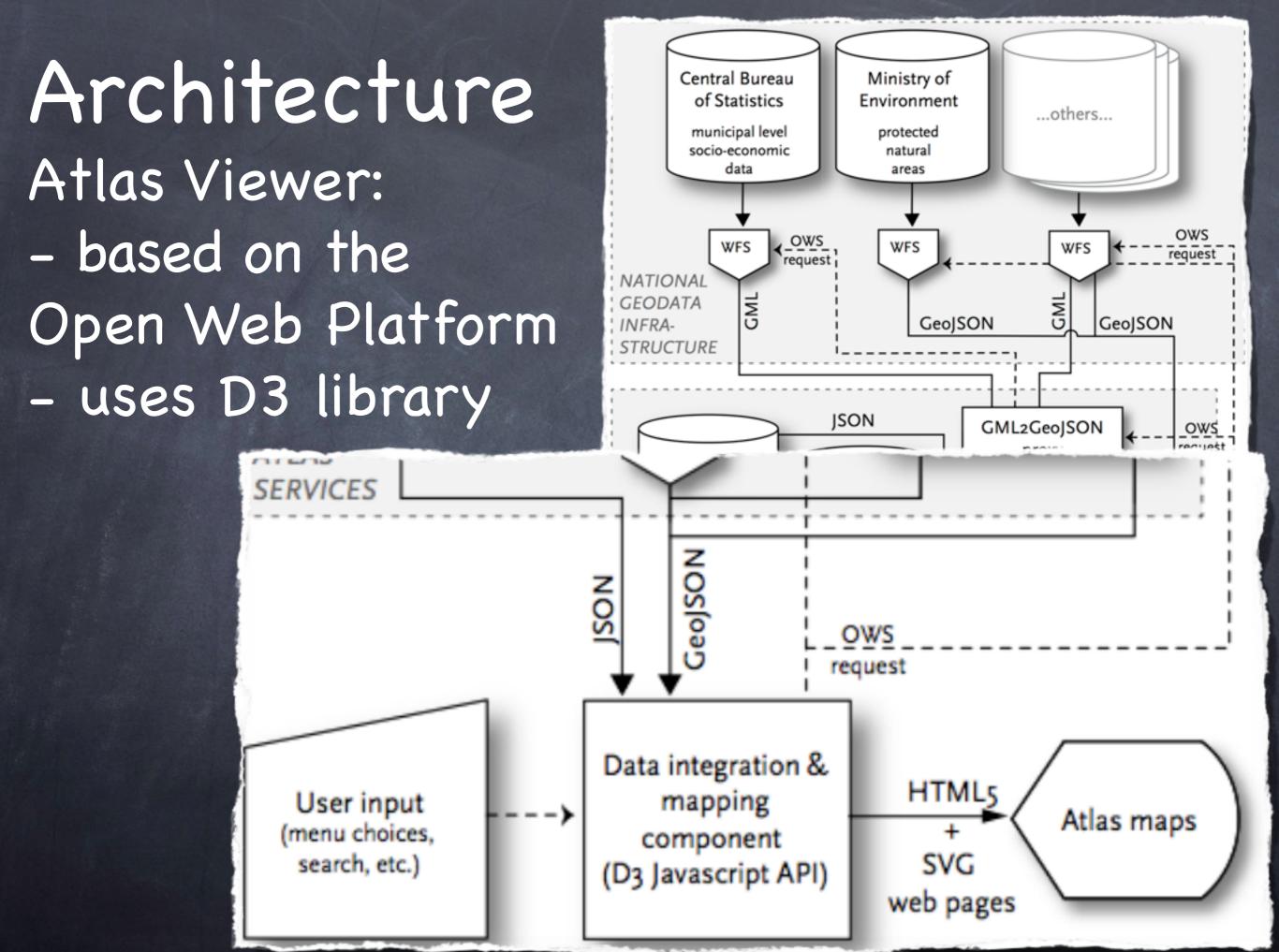
Arch

Central Bureau Ministry of of Statistics Environment ...others... municipal level protected socio-economic natural data areas **OWS** ✓ OWS request WFS WFS WFS request NATIONAL **GEODATA** GeoJSON GeoJSON INFRA-STRUCTURE ATLAS

use data services(WFS) requestsGeoJSON wherepossible



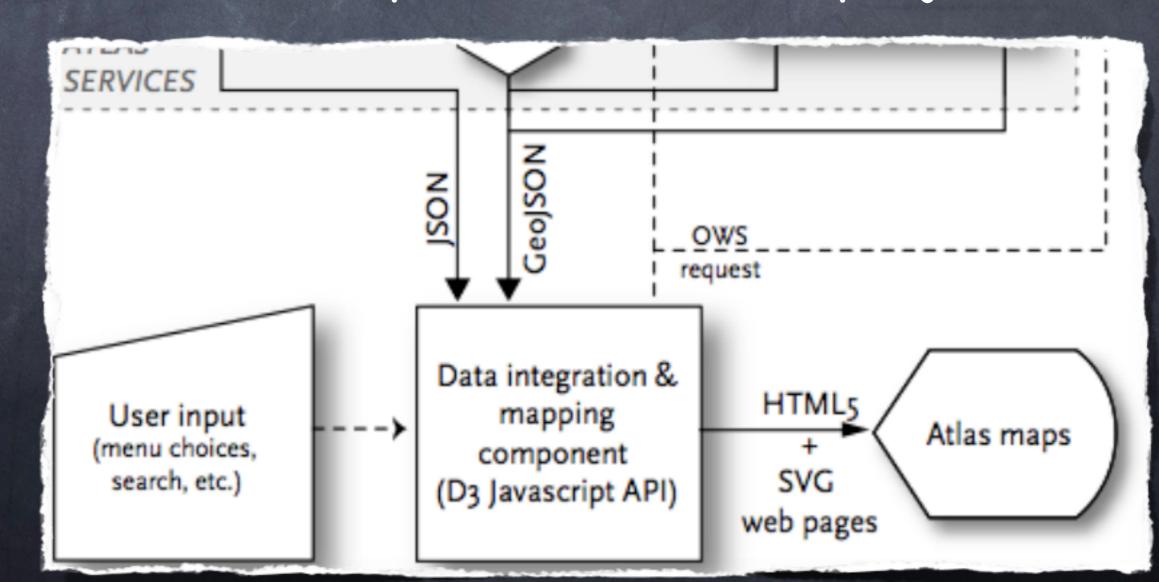




Architecture

Atlas Viewer: D3.js [http://d3js.org]

- bind arbitrary data to the DOM
- then apply data-driven transformations to it
- ⇒ very suitable for our project



Conclusions

the test bed shows:

Conclusions

the test bed shows:

that a (National) Atlas as an integral part of a (National) SDI is feasible

Conclusions

the test bed shows:

that a (National) Atlas as an <u>integral part</u> of a (National) SDI is feasible

provides many advantages (up-to-date, flexible, extensible, interoperable)

What's next?

work in slow progress (funding ended 2009)

core is implemented, still missing parts:

viewer:

better menus, full legends, more maptypes

atlas services: spatial aggregator & more

Thank you!

follow the progress at:

www.nationaleatlas.nl (follow the english)

D3-based viewer: https://github.com/kobben/NatAtlas