

De Nationale Atlas: GOEDE KAARTEN

in de Nationale GeoData Infrastructuur



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A change in my world

My tools once were these:



A change in my world

...but now look like this:

The image shows a screenshot of a web browser and a code editor. The browser window displays a page titled "TRACKING GEOGRAPHY" with a URL of `localhost/D3tests/tracksViewer/napoleon.html`. The code editor shows the source code for `napoleon.html`, which uses D3.js to create a timeline visualization. The code includes variables for margin, centered, projection parameters, and SVG elements. The visualization consists of three horizontal timelines, each with a red bar at the top and a blue bar at the bottom. The timelines are labeled with months (October, November, December) and specific dates (16, 18, 20, 22, 24, 26, 28, 30). The first timeline has a red bar from approximately October 17 to November 1, and a blue bar from approximately October 17 to November 1. The second timeline has a red bar from approximately October 17 to November 1, and a blue bar from approximately October 17 to November 1. The third timeline has a red bar from approximately October 17 to November 1, and a blue bar from approximately October 17 to November 1. The code editor shows the following code:

```
54 d3.selectAll("#Timeline").append("chart");
55
56 // define variables
57 var margin = {top: 0, right: 0, bottom: 0, left: 0};
58 width = 510;
59 height = 330;
60
61
62 var centered;
63
64 // define projection parameters
65 var projection = d3.geo.mercator()
66   .center([28.88034, 54.260112])
67   .rotate([0,0])
68   .scale(39000);
69
70 // create svg canvas to draw map on
71 var svg = d3.select("#Map").append("svg")
72   .attr("width", width)
73   .attr("height", height)
74   .attr("border", 3)
75   .attr("class", "canvas");
76
77 // create path object
78 var path = d3.geo.path().projection(projection);
79
80 // create group object g
81 var g = svg.append("g");
82
83 // create div object to use for dynamic tooltip
84 var div = d3.select("body")
85   .append("div")
86   .attr("class", "tooltip")
87   .style("opacity", 0);
```

But my task is still the same:

“show the story in the data”

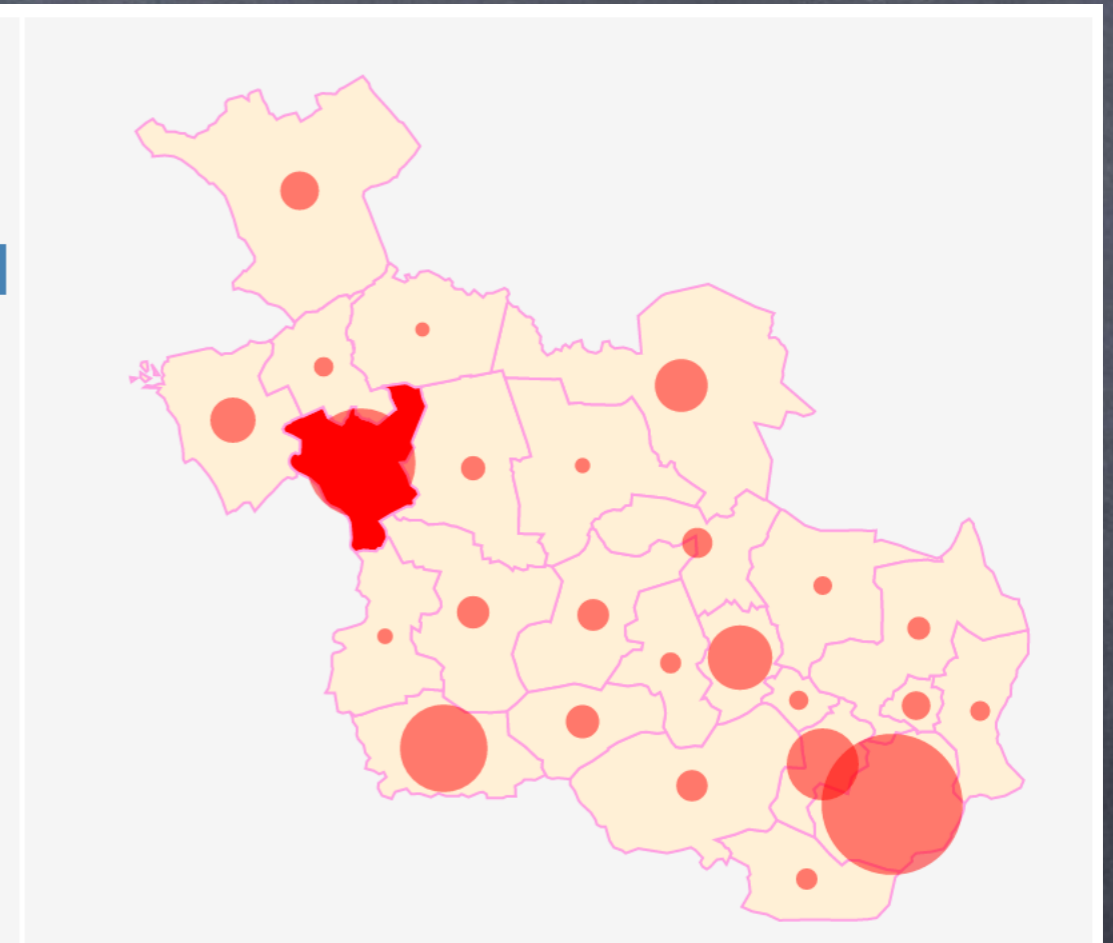
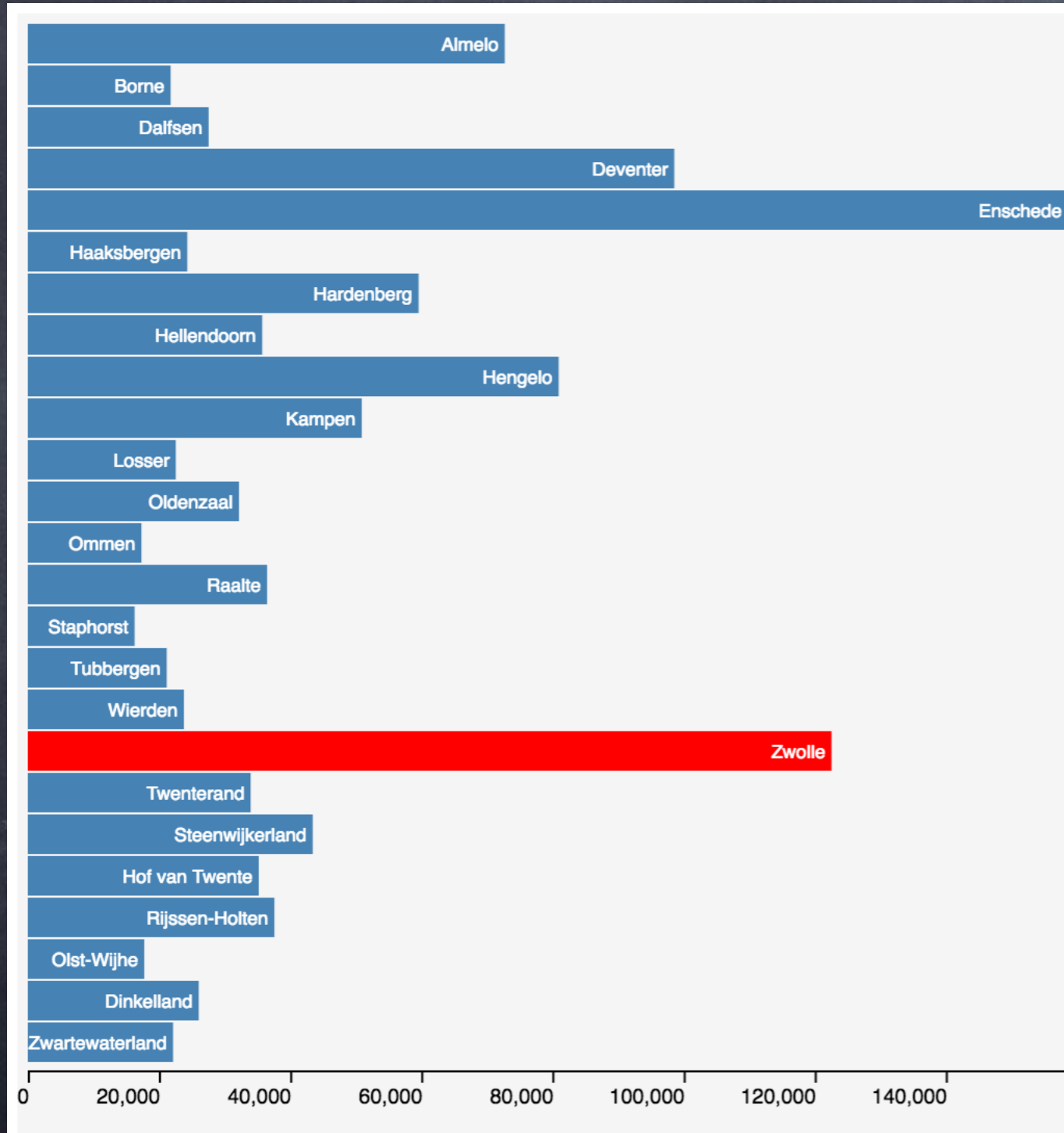
But my task is still the same:

“show the story in the data”

the

cartographic intent

in simple ways...

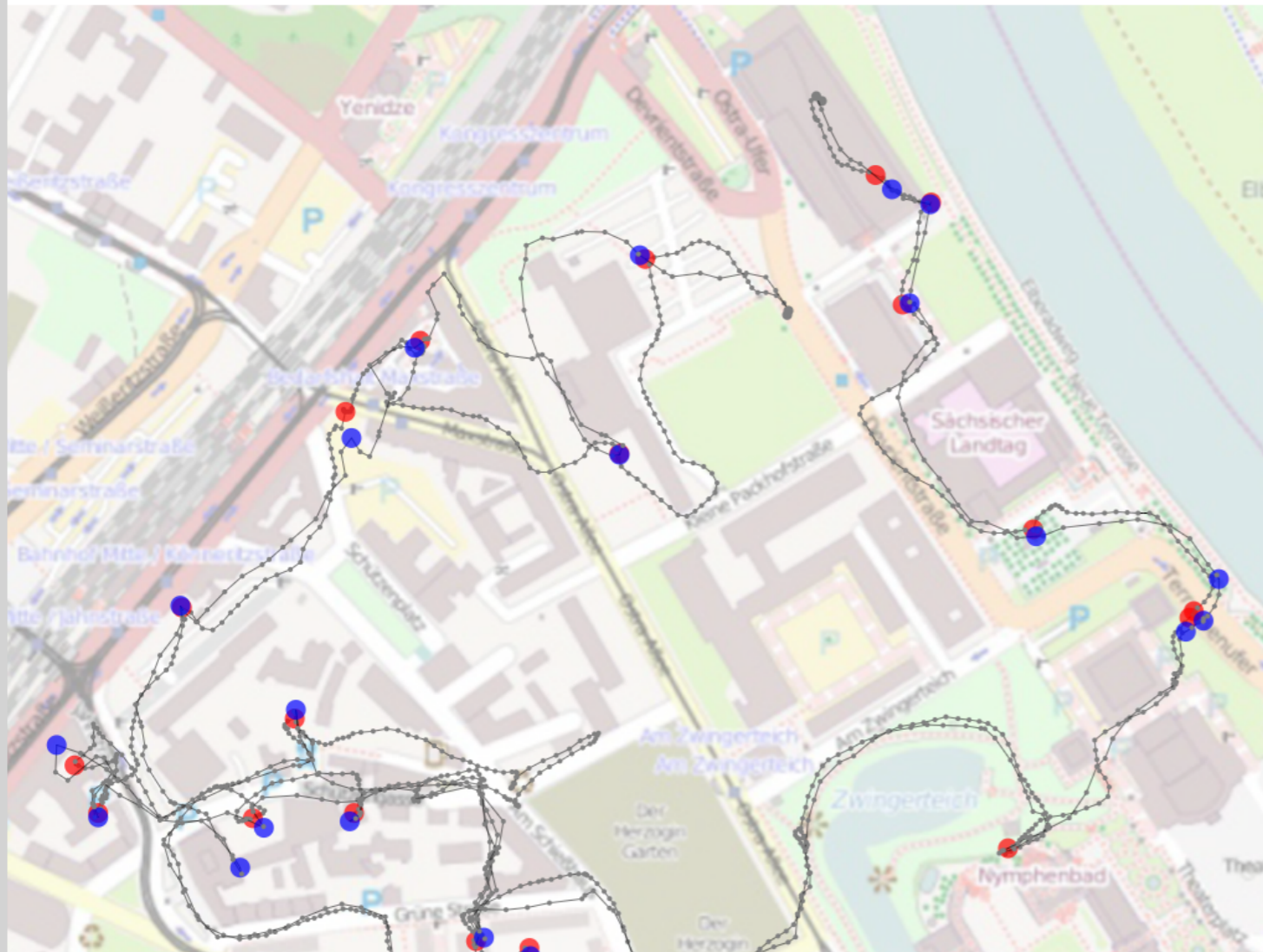


GM0193: Zwolle
122560 inhabitants.

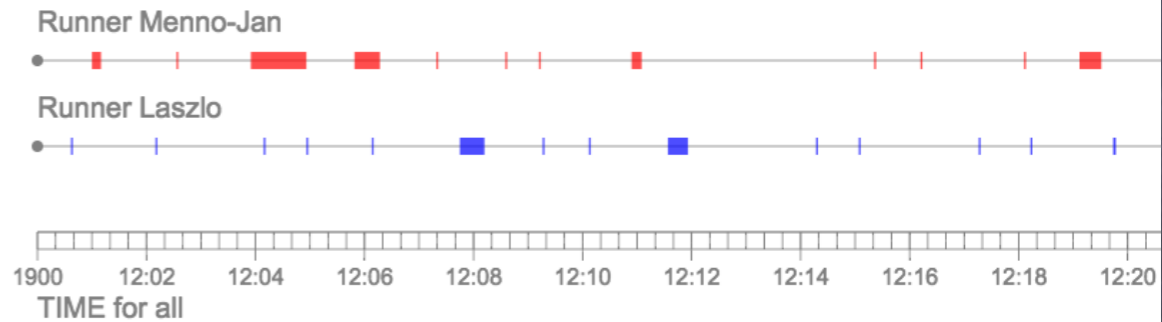
...or less simple ways

GEOGRAPHY (click & hold to separate)

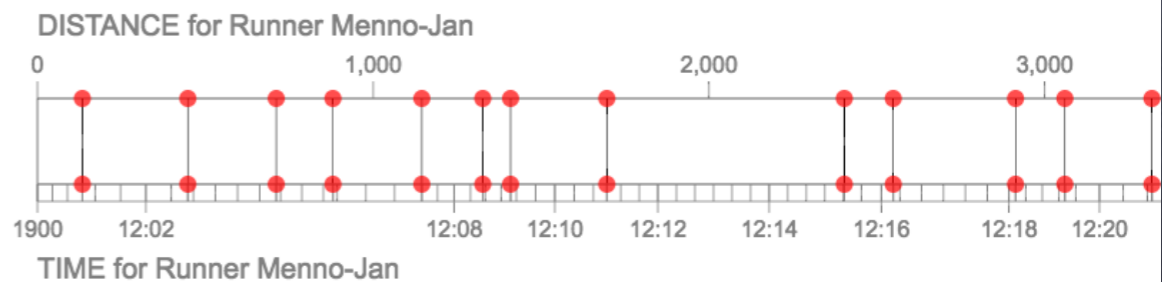
- Runner Menno-Jan
- Runner Laszlo



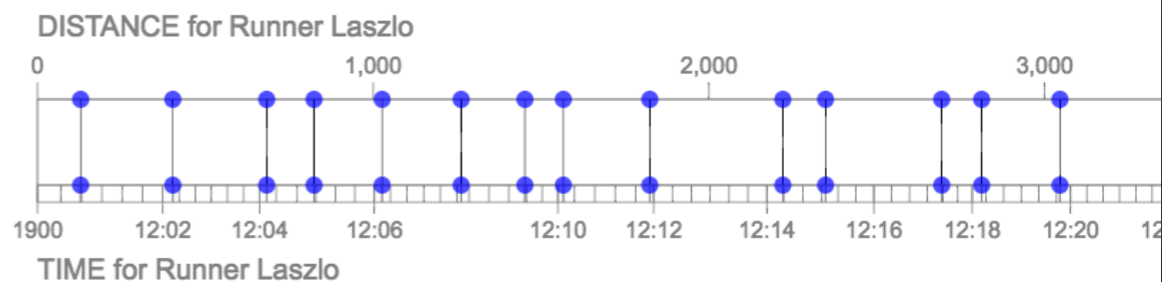
FROM TIME TO GEOGRAPHY



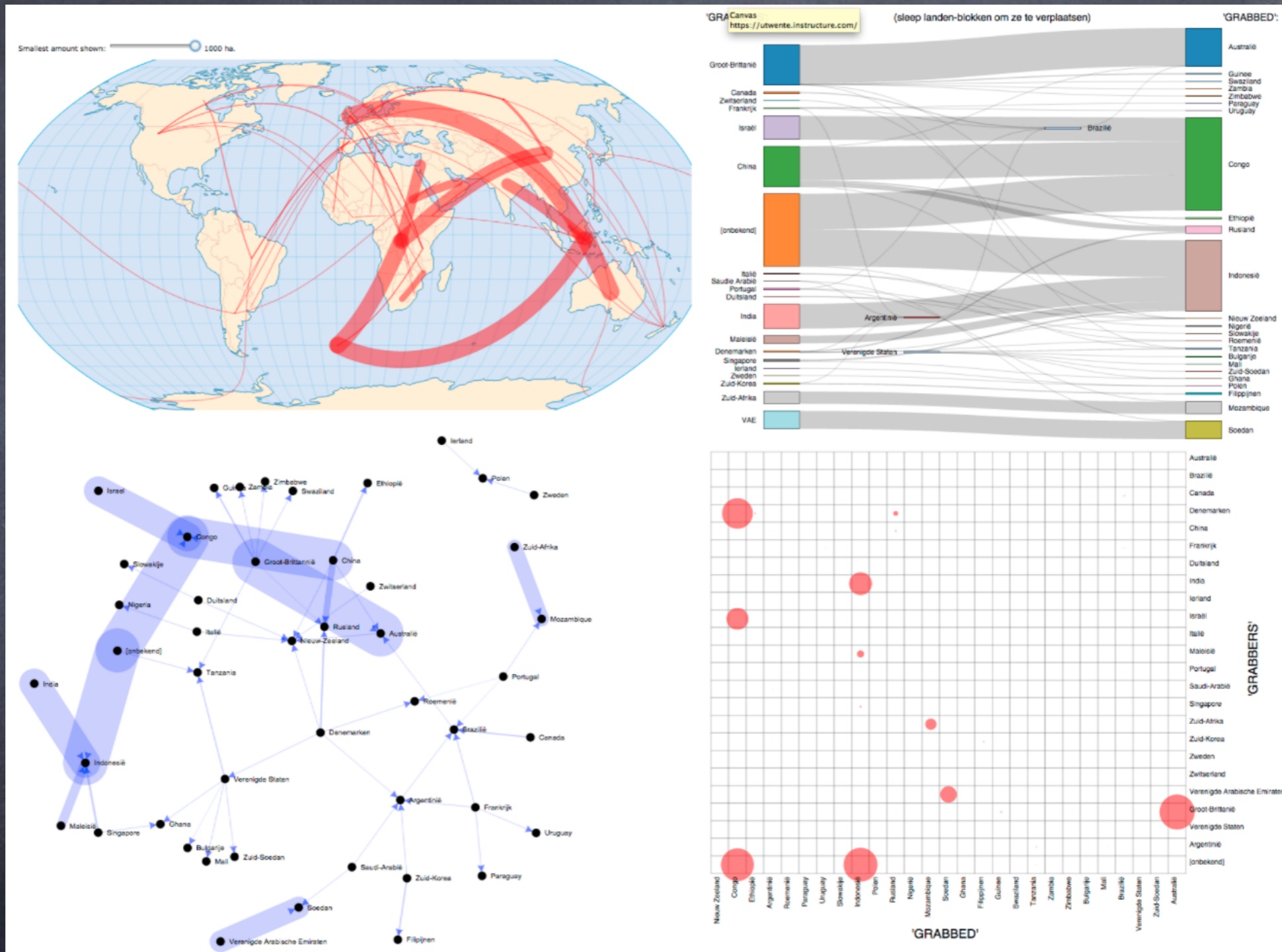
FROM GEOGRAPHY TO TIME for Runner Menno-Jan



FROM GEOGRAPHY TO TIME for Runner Laszlo



comparing spatial phenomena



kartoweb.itc.nl/D3tests/LandGrabbing/

comparing spatial phenomena

...is often the way people get “the story”

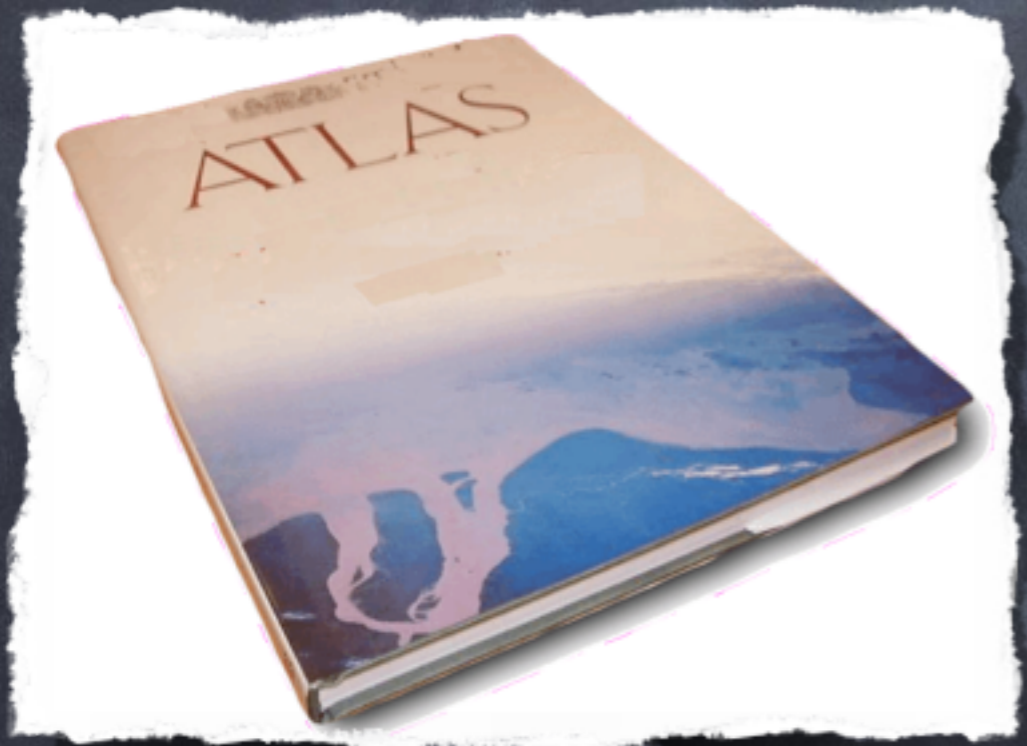
The new role of the cartographer

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

*“code that thinks like a
cartographer”*

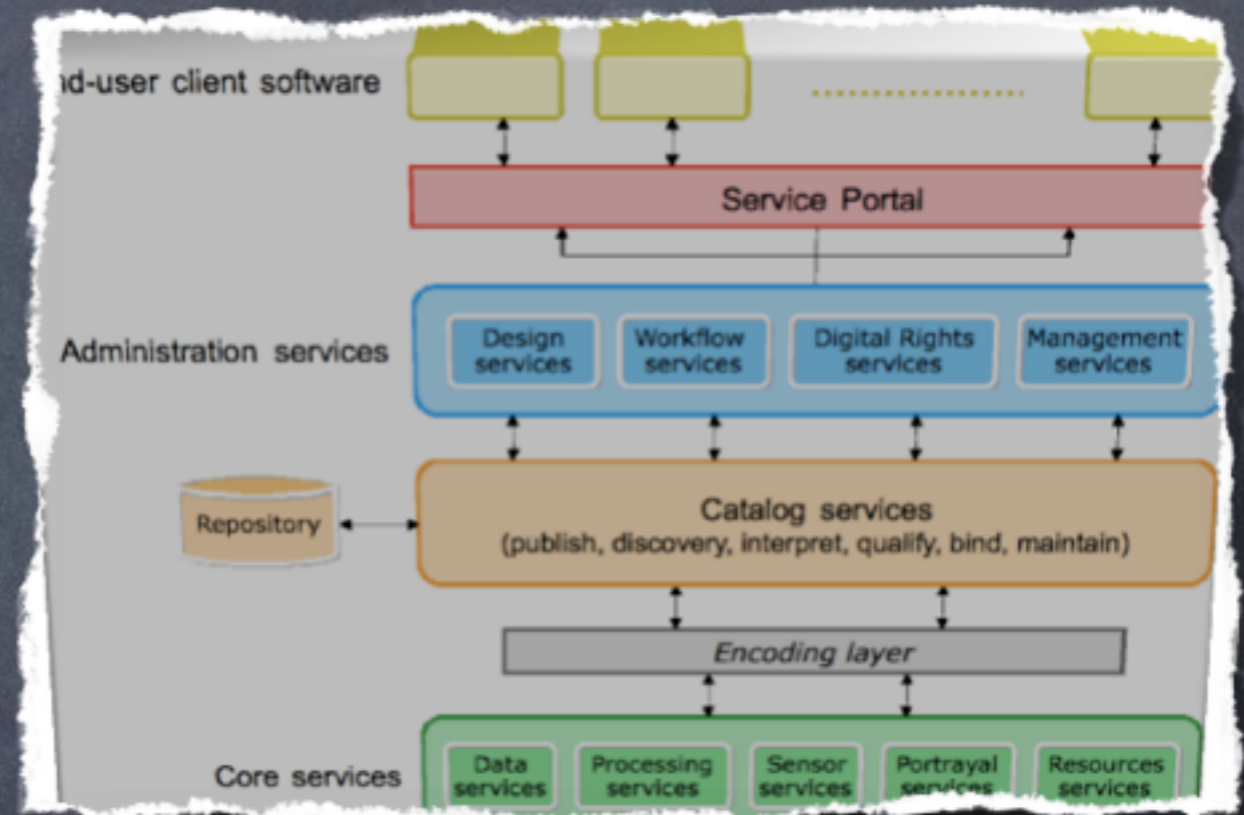
Maps as part of a Spatial Data Infrastructure

Maps as part of a Spatial Data Infrastructure



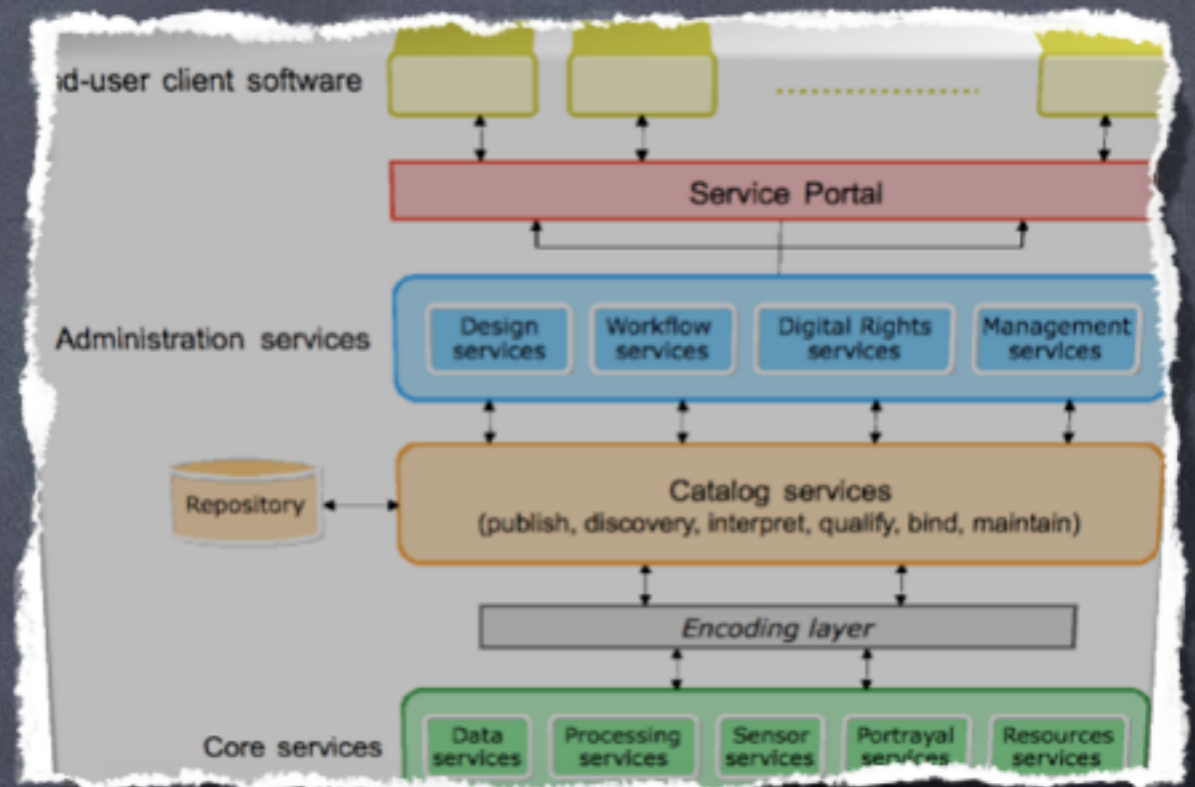
presents a synthesis
optimised for visualisation

Maps as part of a Spatial Data Infrastructure



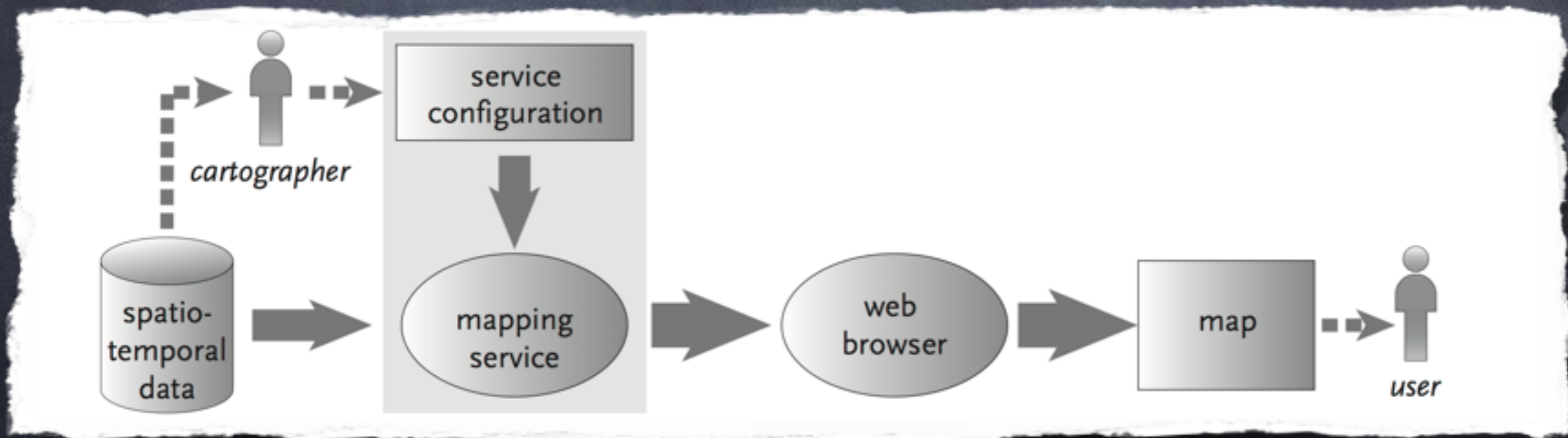
visualisation of separate data, not
optimised for combinations (synergy)

Maps as part of a Spatial Data Infrastructure

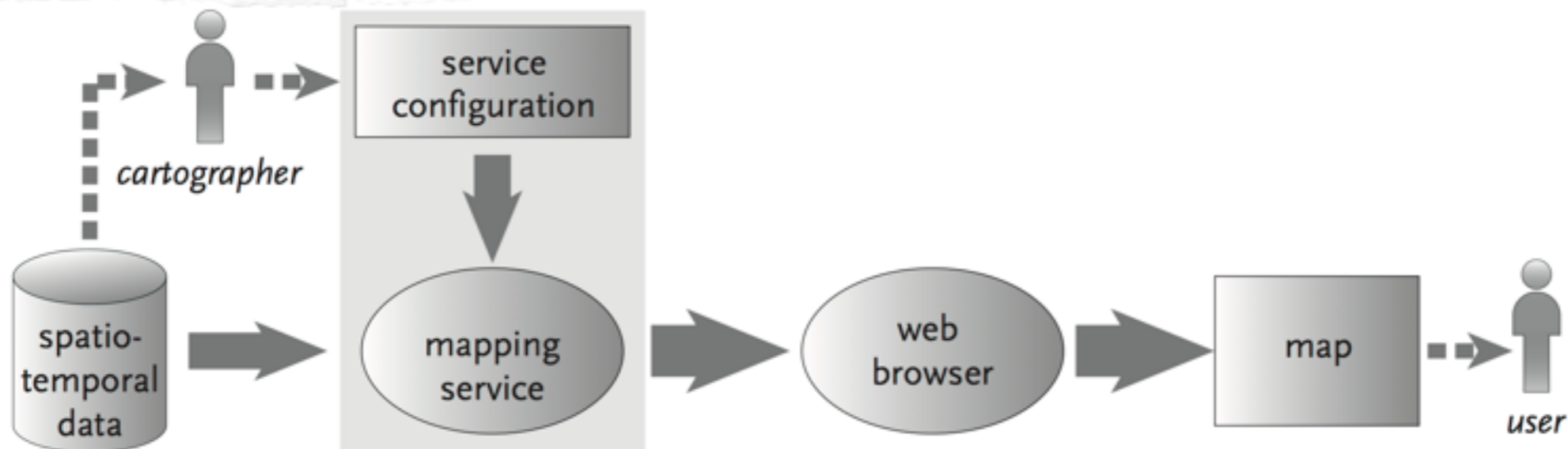


a combination of
two different worlds

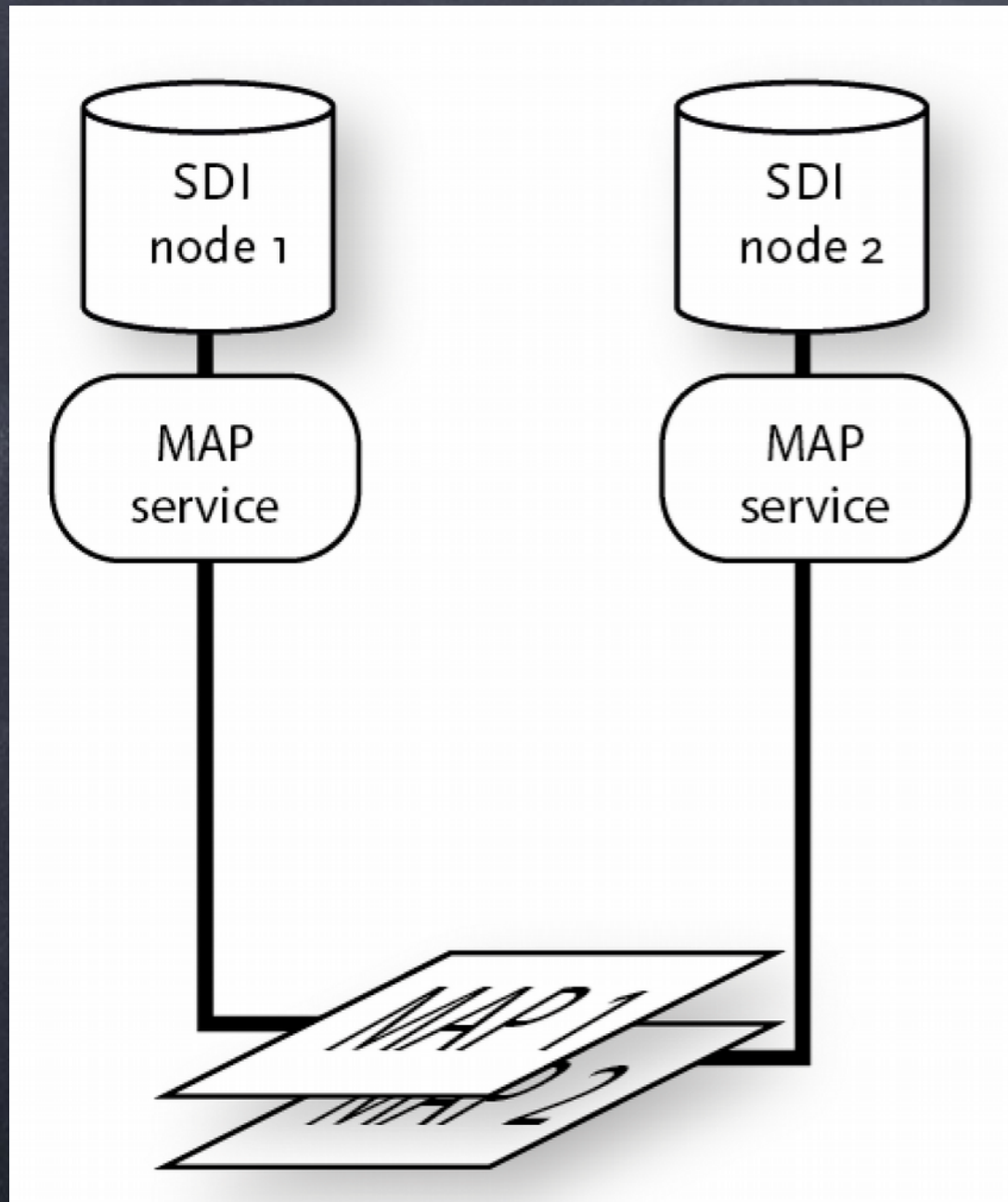
Mapping in a webservices environment



Mapping ~~in~~ a webservices environment as part of

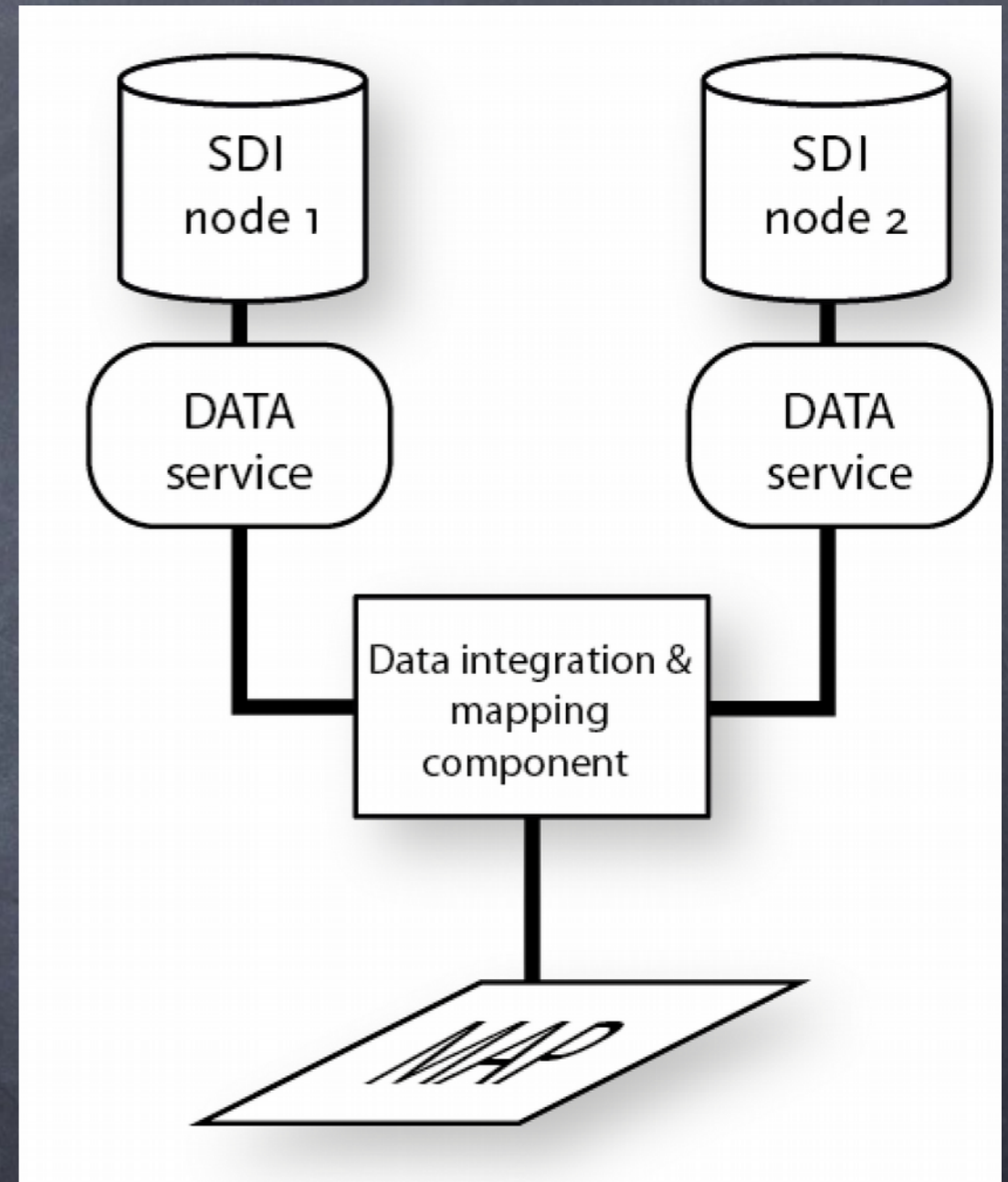
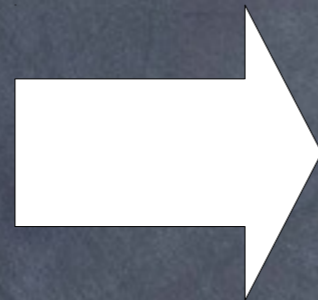
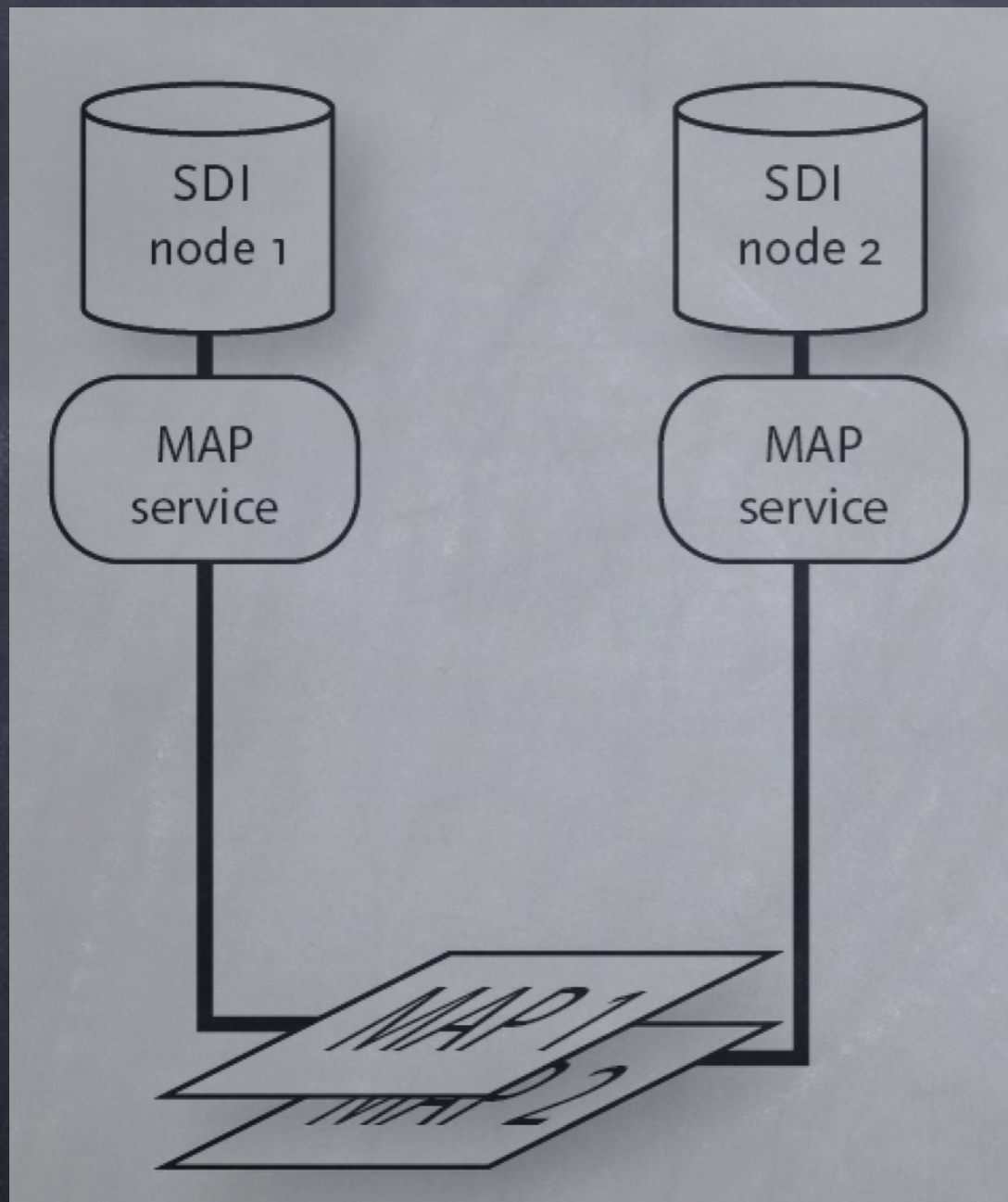


conceptual change needed



sub-optimal combination
of arbitrary map layers

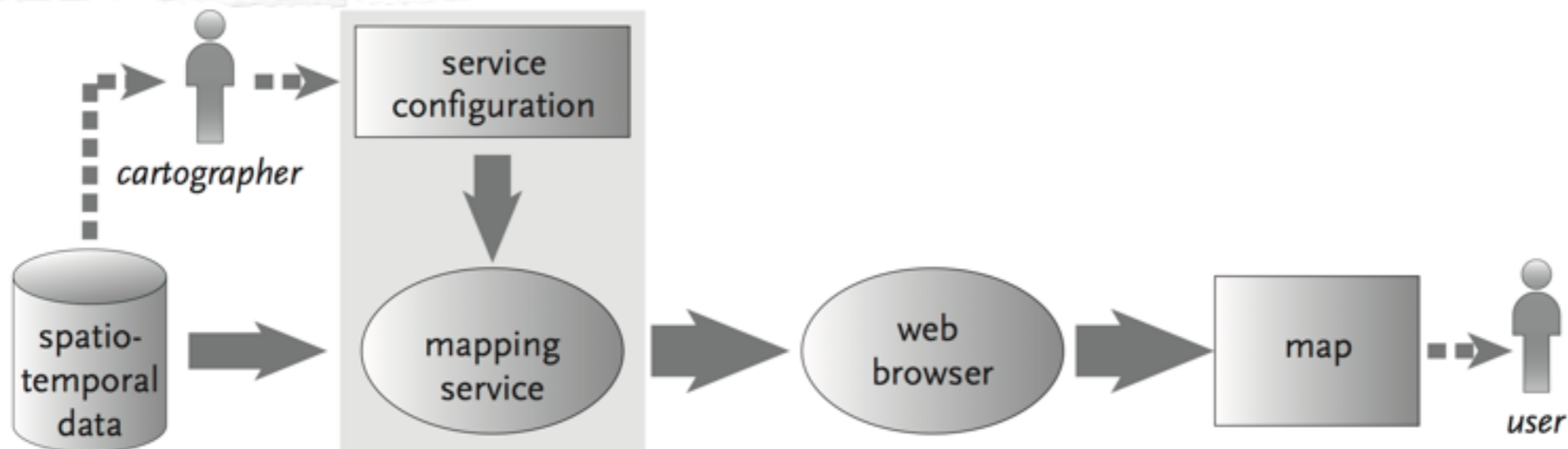
conceptual change needed



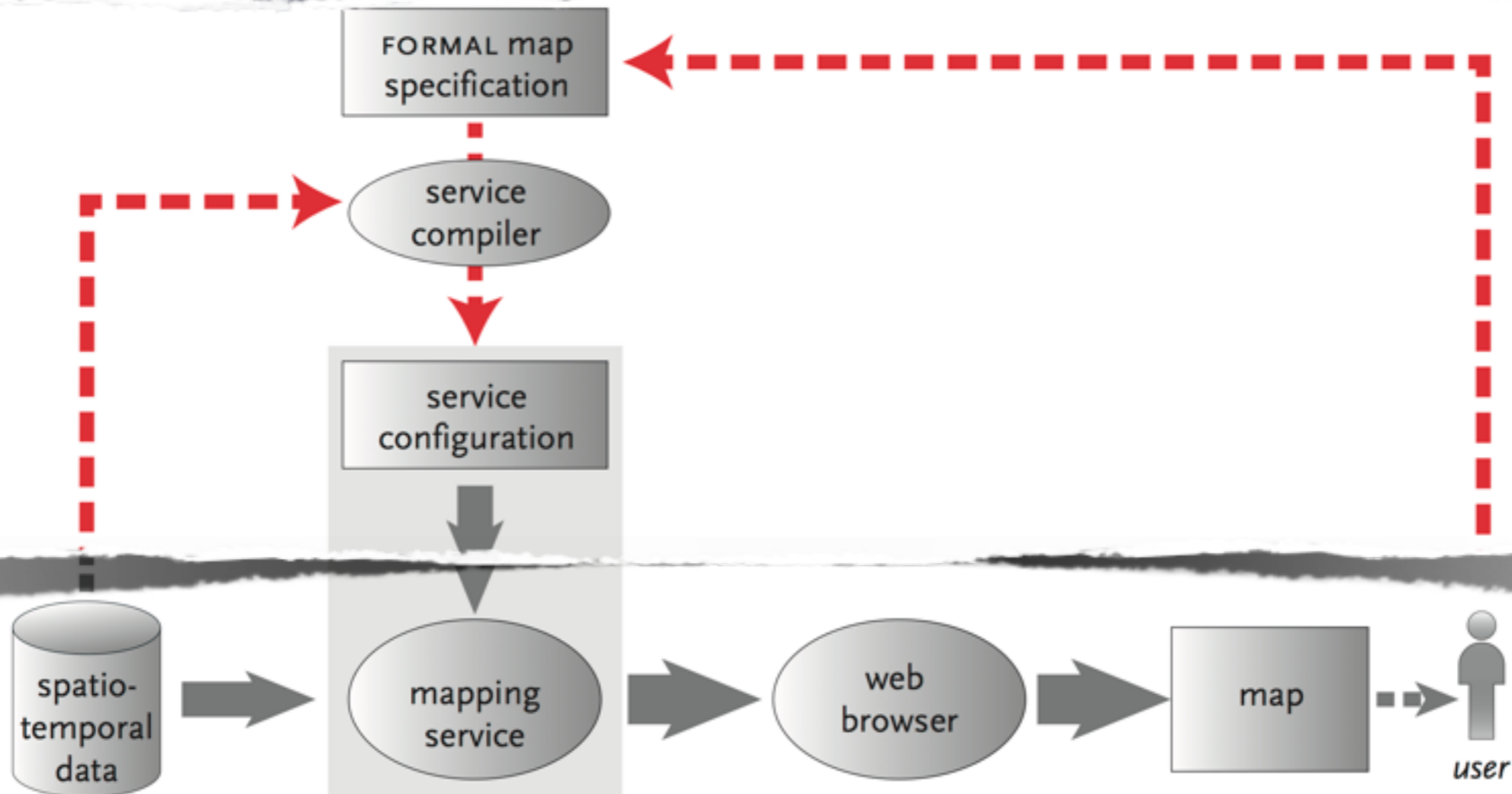
sub-optimal combination
of arbitrary map layers

integrated mapping of
data layers

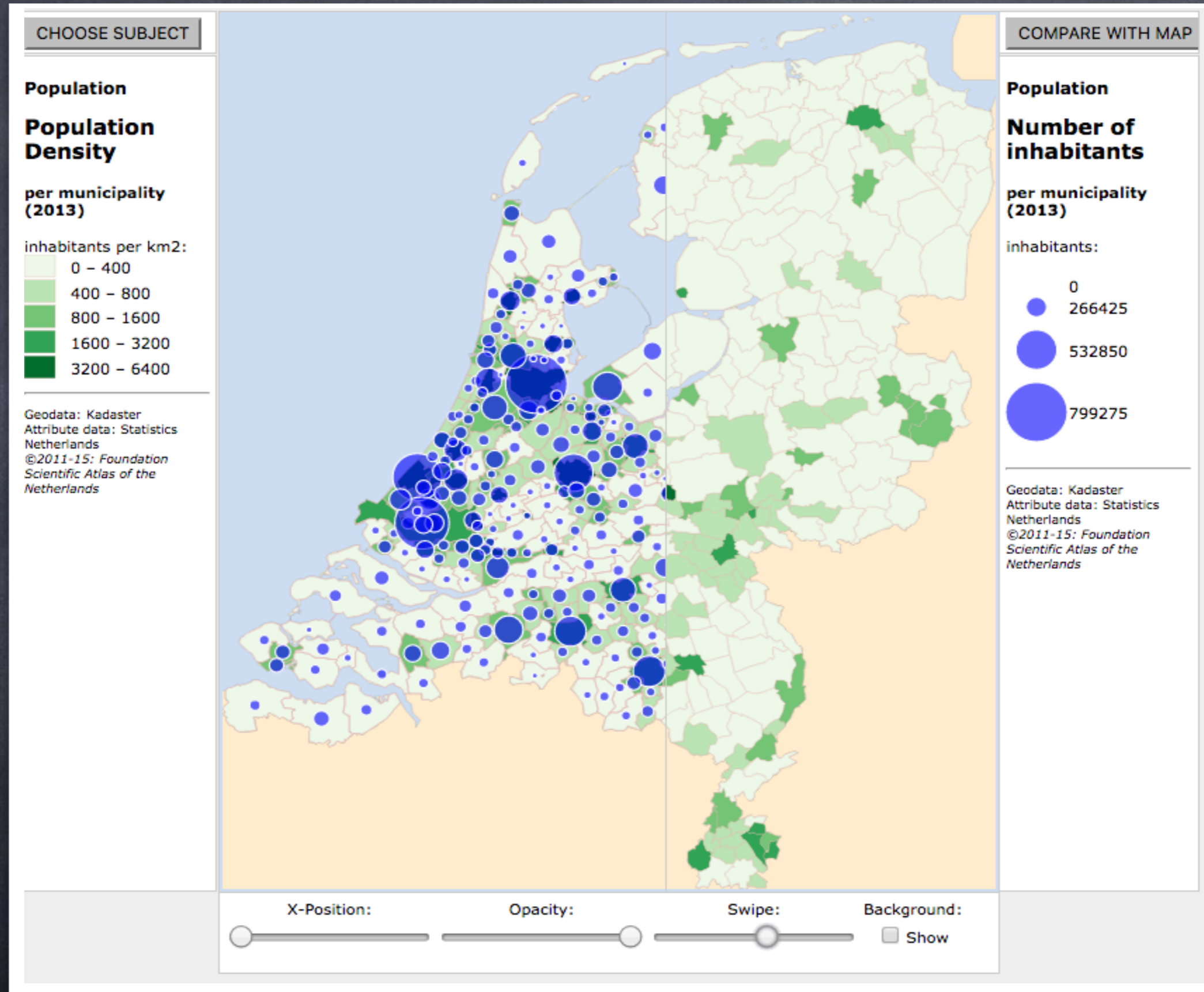
Mapping ~~in~~ a webservices environment as part of



Mapping in ~~a~~ webservices environment as part of



The Dutch National Atlas



comparing spatial phenomena

in *theme*:

– same place and time – different variables

comparing spatial phenomena

in *theme*:

- same place and time – different variables

in *space*:

- same variable – different places
- *or* same variable – different aggregation

comparing spatial phenomena

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

comparing spatial phenomena

in *theme*:

- same place and time – different variables

in *space*:

- same variable – different places
- *or* same variable – different aggregation

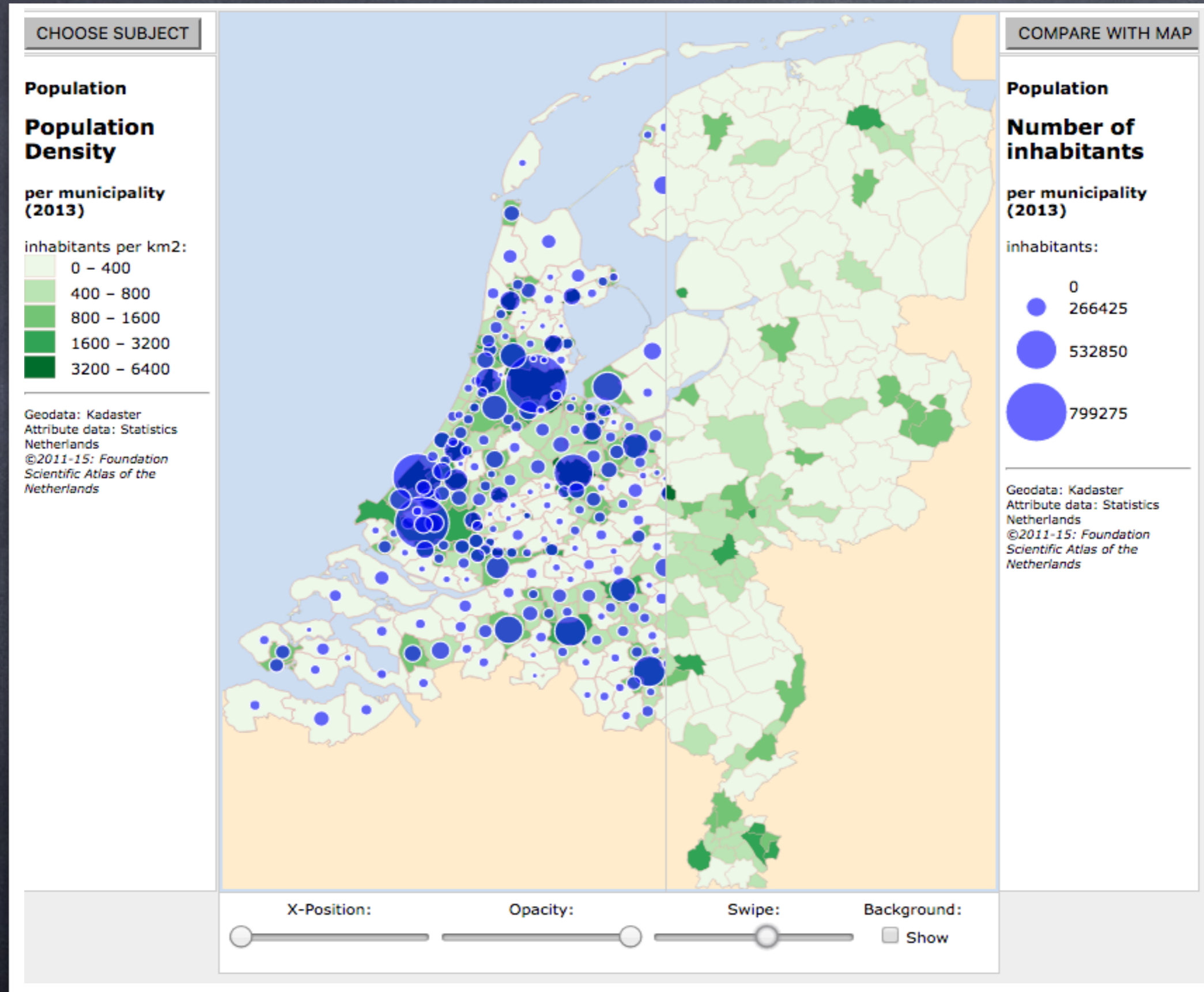
in *time*:

- same variable and place – different times

in *expression*:

- same place, time and variables – different visual expressions

The Dutch National Atlas



Thank you for your attention...

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