UNIVERSITY OF TWENTE. MAPPING IN GIS Workshop @ AGILE Glasgow BAREND KÖBBEN b.j.kobben@utwente.nl



Maps tell the story of the data

...even if the graphics are simple...





Choice of map type is almost endless

- Topographic maps:
 - accurate representation of Earth's topography
- Thematic maps:
 - one or more particular themes are emphasized
 - Nominal maps
 - Proportional Point maps
 - Flow Maps
 - Choropleth maps
 - 3D-maps
 - isoline maps
 - cartograms
 - schematic maps





Choice of map type

■ Topographic maps:

accurate representation of Earth's topography



CARTOGRAPHY CHANGES ALWAYS

- new types of map use
- new types of maps
- new digital dissemination
- new, more and easier data
- new mapmaking tools



NEW MAPMAKING TOOLS

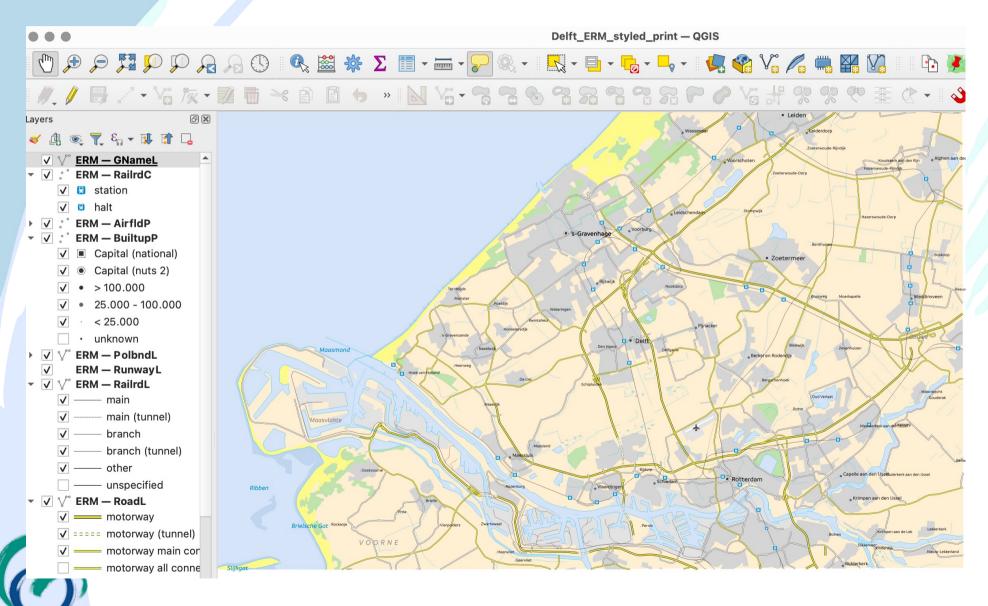
My tools once were these....





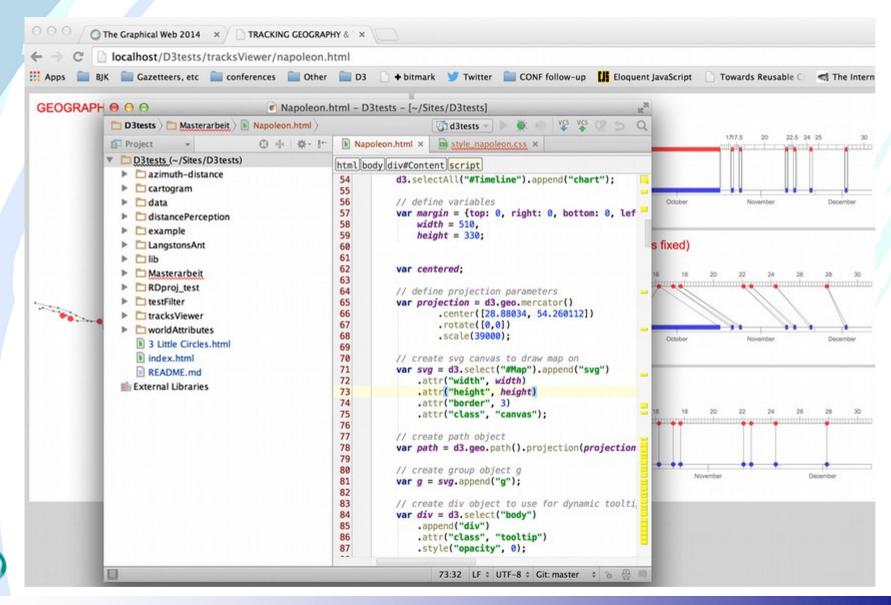
NEW MAPMAKING TOOLS

...but now look like this:



NEW MAPMAKING TOOLS

...or even like this:



THE RIGHT TOOL FOR THE JOB ...!



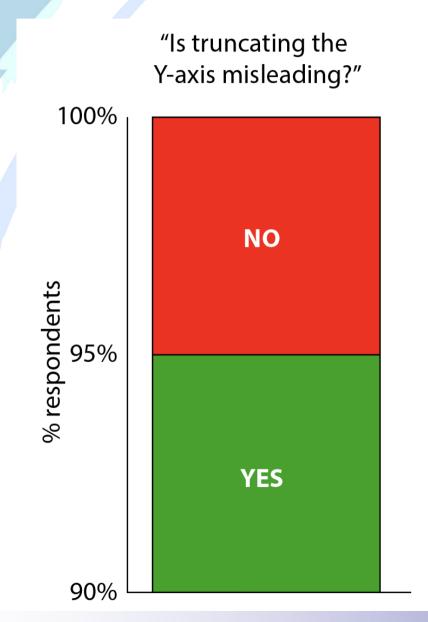
Maasmond Maasvlakte Brielsche Gat Rockanje

hand-drawn manuscript

GIS map

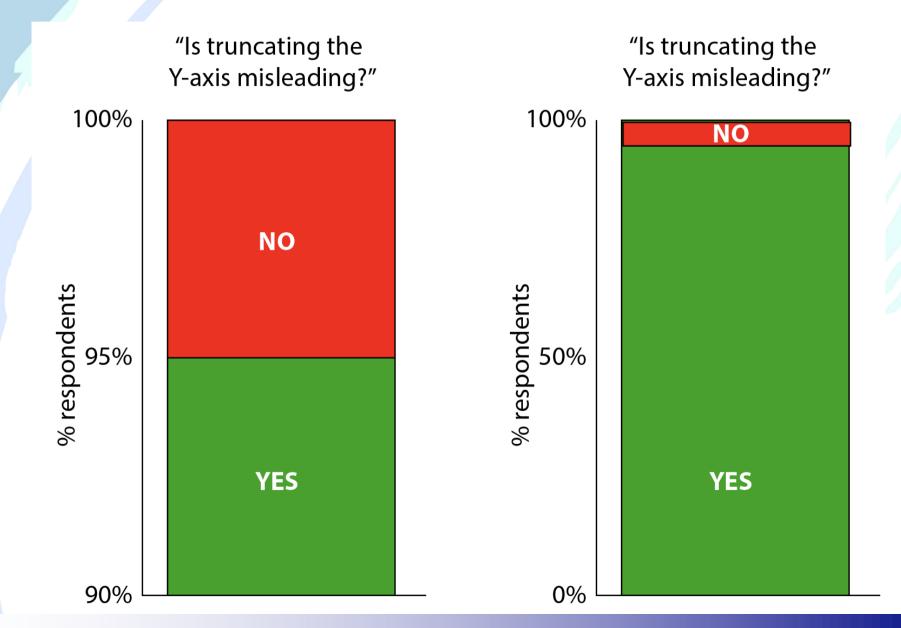


Graphics tell the story of the data ...but the way they tell it matters!



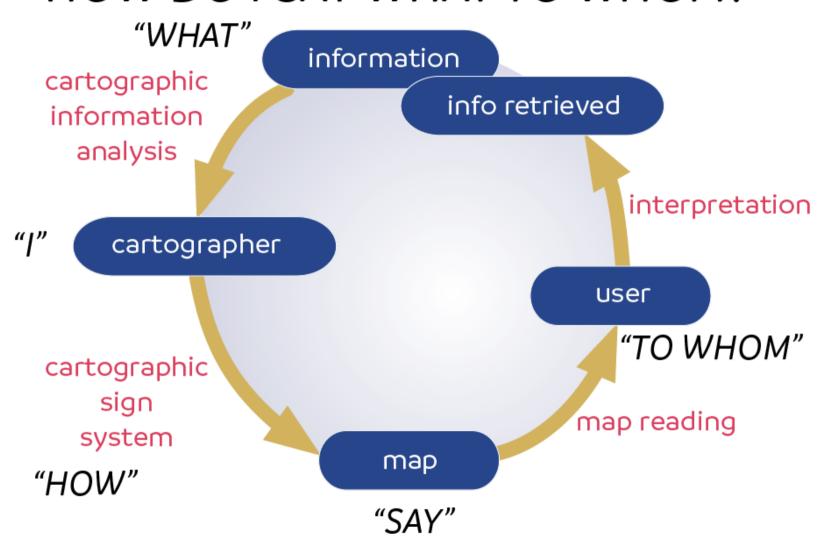
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...but the way they tell it matters!



Cartographic COMMUNICATION process

"HOW DO I SAY WHAT TO WHOM?"





Prof Koeman (1969