Automatic Generalisation

The next level

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Introduction

Past
- The beginning; 50,000 map

Present
- Basemap
- ELF
- TOP100NL map
- BGT > BRT

Future
- Areas of improvement
- Our vision
TOP100NL map

- From 1:10 000 to 1:100 000
- Keep characteristics
- New techniques
- Polygon to Polyline
Calculate width

Calculate width of waterpolygons by a negative buffer
Polygon to polyline

First method

From polygon to raster
Polygon to polyline

Second method

Skeleton

Medial axis
Connection
From BGT to BRT

- Key Register Large-scale Topography (BGT)
  - Obtained by more than 400 municipalities
  - 1:1000 scale
  - Only polygons

- Key Register Topography (BRT)
  - From Kadaster
  - 1:10 000 scale
  - Uniform

- No control over input data

*Advanced techniques required*
Technical differences

- BRT (TOP10NL) crossing polygons
- Automatic detect crossings
Technical differences

BGT level of height

Top10NL level of height
Areas of improvement

- Tooling for morphology
- Advanced software for super user
- Partitioning
- Performance
Nearby future

- Scaleless
- Dimensions
Our key succes
The end