



Automatic Generalisation

The next level

ICA/EuroSDR NMA workshop

3 december 2015

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Introduction

Past

- The beginning; 50 000 map

Present

- Basemap
- ELF
- TOP100NL map
- BGT > BRT

Future

- Areas of improvement
- Our vision

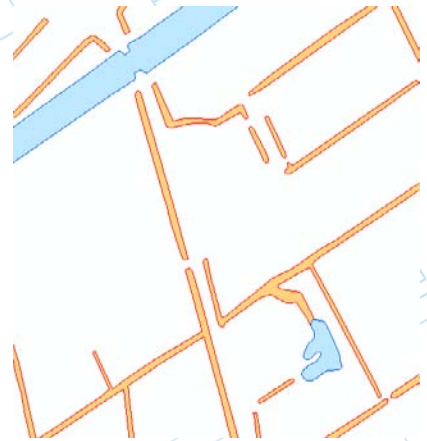
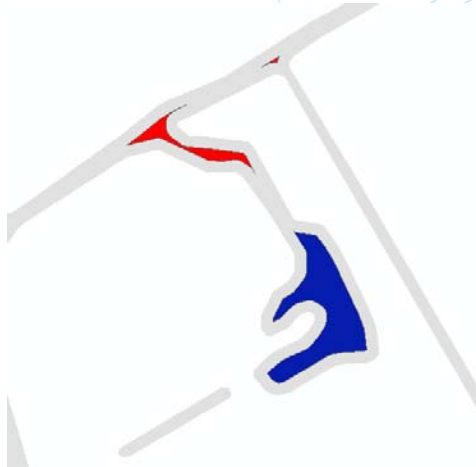
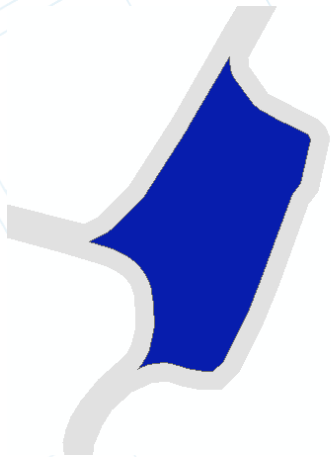


TOP100NL map

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

Calculate width

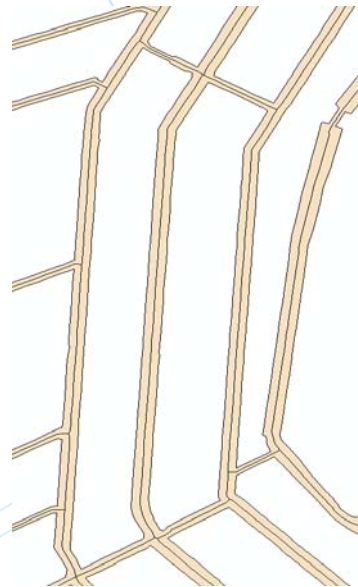
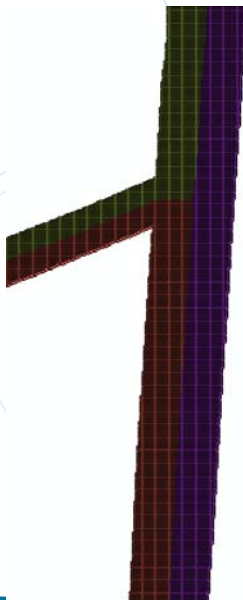
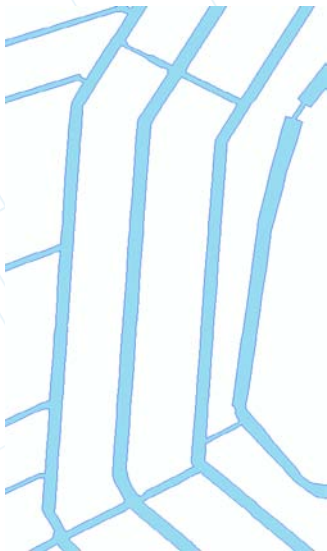
Calculate width of waterpolygons by a negative buffer



Polygon to poyline

First method

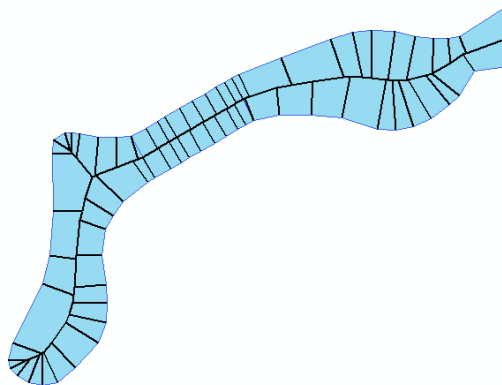
From polygon to raster



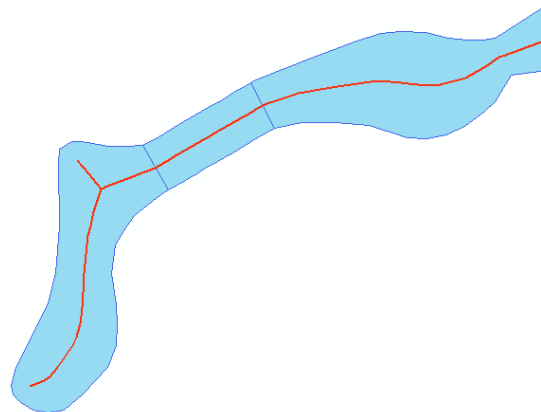
Polygon to poyline

Second method

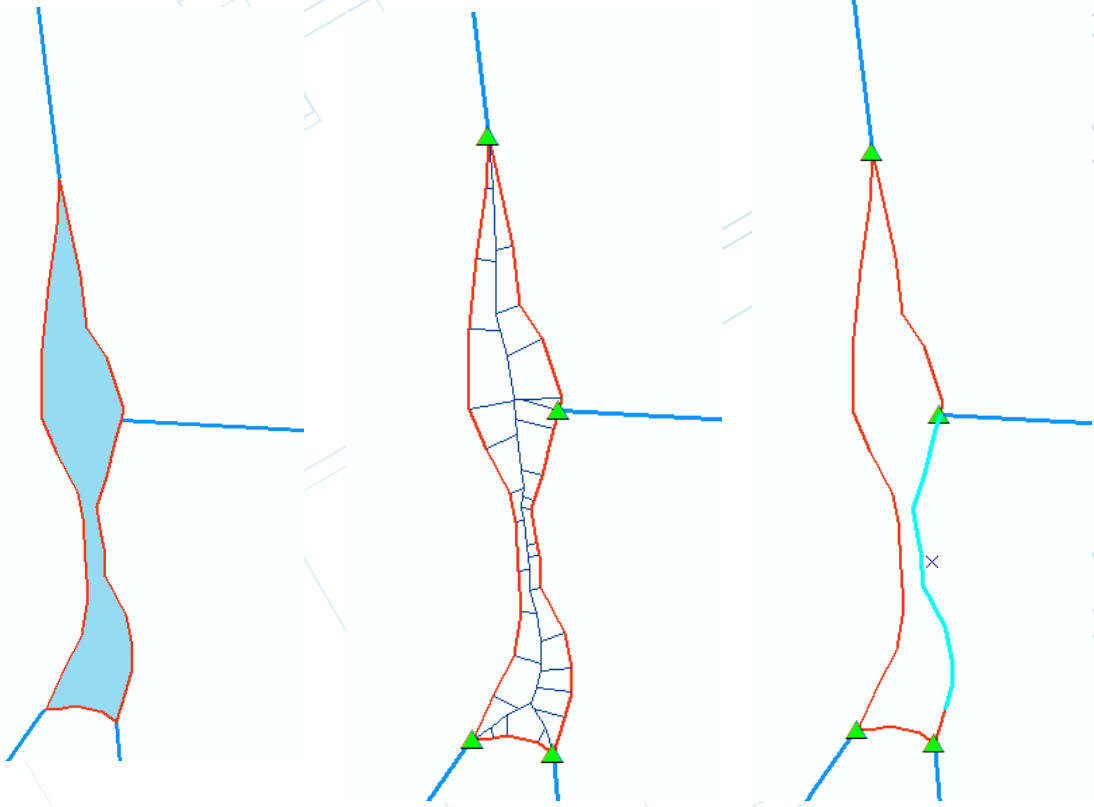
Skeleton



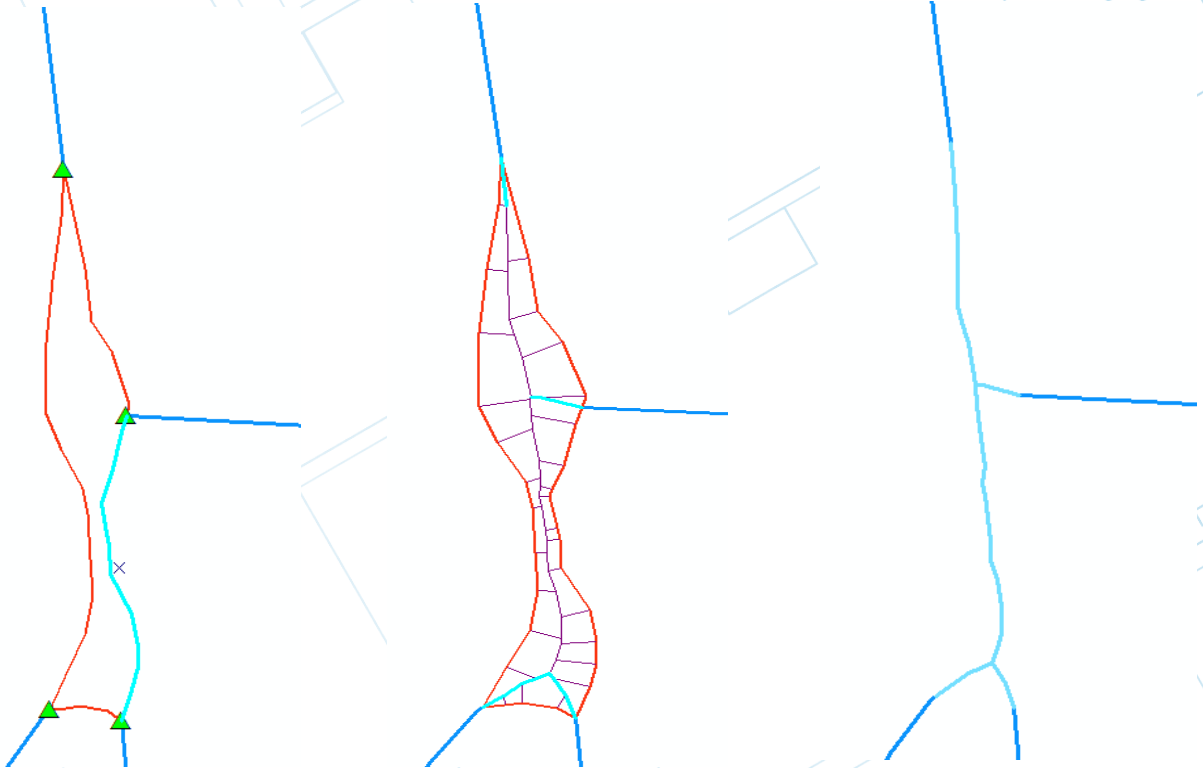
Medial axis



Connection



Connection



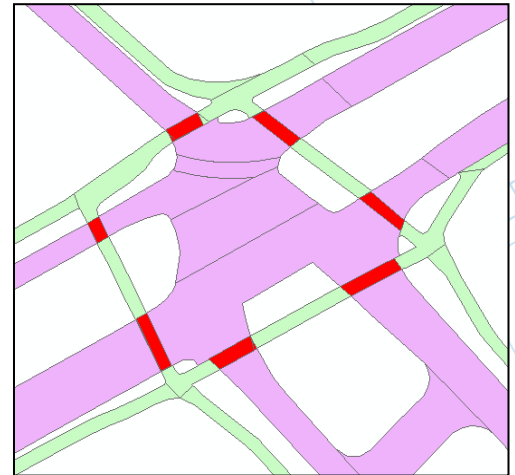
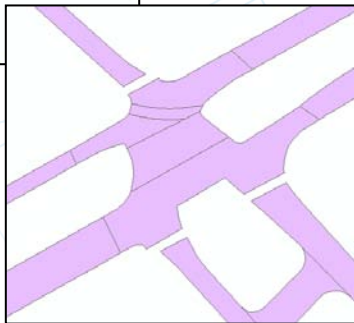
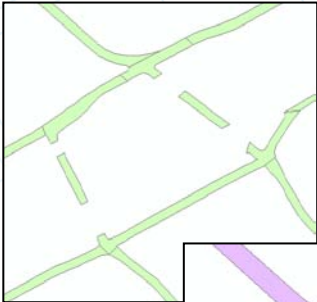
From BGT to BRT

- 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

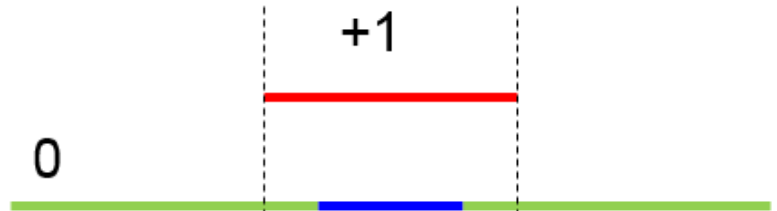
Technical differences

- BRT (TOP10NL) crossing polygons
- Automatic detect crossings

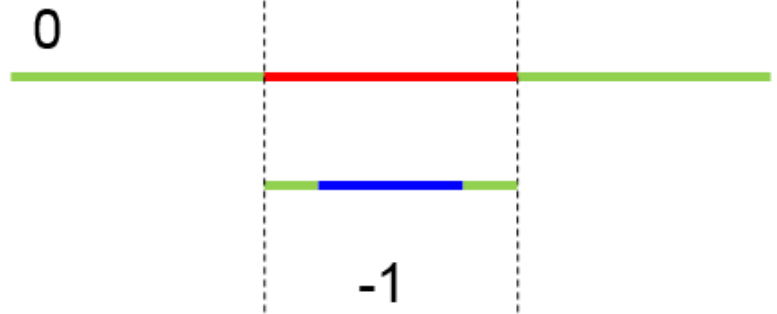


Technical differences

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



THANK YOU

GRACIAS
ARIGATO
SHUKURIA
JUSPAXAR
DANKSCHEEN
TASHAKKUR ATU
YAQHANYELAY
BIYAN SHUKRIA
TINGKI
SUKSAMA
EKKHMET
MEHRBANI
PALDIES
BOLZIN
MERCII

SPASSIBO SNACHALHUYA NUHUN CHALTU WADEEJA MAITEKA YUSPAGARATAM HUI UNALCHEESH HATUR GUI EKOJU SIKOMO MERASTAWHY GAEJTHO TAVTAPUCHI MEDAWAGSE GOZAIMASHITA EFCHARISTO AGUYJE FAKRAUE KOMAPSUMNIDA MAAKE ATTO ANIMA DHIANYADAD MERSI BENKADJJA NEMACHALHYA UNALCHEESH HANETAI MIMMONCHAR