ICA/EuroSDR NMA workshop
Amsterdam 3-4 dec. 2015

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Agenda

• About the Agency
• Basic data
• SDI and workflows
• Current workflow for map production
• Pick’nUse
• Demo
About the Danish Geodata Agency (GST)

In the Danish Geodata Agency, we are approx. 300 employees.

Until 2013 we were called The National Survey and Cadastre (KMS).

We’re the Danish national mapping agency and produce topographical maps for the Defence and for public use.

We’re the Danish national hydrographic office and produce sea charts and ENC for Danish waters (incl. Greenland).

We’re the Danish cadastral authority and keep the cadastre registry and process cadastral survey.

From 1. January 2016 the hydrographic office and the cadastral authority will form a new agency also called the Danish Geodata Agency and the rest of us will be united in a new company called “Agency for Data Supply and Efficiency”
The basic-data programme

What is basic data

The most important objectives for developing basic data are:
• basic data needs to be as correct, complete and up-to-date as possible
• all public authorities must use public-sector basic data
• as far as possible, basic data (excluding sensitive personal data) must be made freely available to businesses as well as the public
• basic data must be distributed efficiently, accommodating the needs of the users
The data distributor

The Data Distributor conveys updated and authentic information from basic data registers on to the relevant public or private-sector administrative field or business area.
• Basic masterdata from GeoDenmark are produced in cooperation with the municipalities in scale 1:4000.

• The update cycle is 5 years, and for specific themes it's 1 year.

• Data are supplied with data from other databases in GST.
The Geodata Bank will act as a "pick list" for composition of all products and derived databases.

All data are stored in the Geodata Bank after standard model rules.

Distribution:
- KF/Download FTP
- KF/Services PostGIS
GST dataflow

- Map production generalisation from basic data to 50k FSB solution
- Automatic generalisation from 50k to 100k
- Flexible visualisation
- Same data but different representation
- The cartographer can manipulate the representations without changing the data
Challenges

• Detailed masterdata
• Too many vertices on a straight line
• Topological issues
• Need for pregeneralisation
• Add extra attributes, calculations, corrections to the basic data and updates

TOPO10
Pick’n Use

a total paradigm shift for:

-> a multiple use
-> a flexible distribution
-> a standardised production

of current maps- and spatial data
Pick’n Use

What is Pick’n Use

- Dividing and updating of national geodata families as an supplement to ordinary maps
- Combining layers from different geodata families in multiple scales
- Rule-based selection, simplification and generalisation, instead of human generalisation
## Pick’n Use

Geodata families, multiple scales, map layers

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GeoDanmark

GeoDanmark + Hill-shading

GeoDanmark + Hill-shading + contour lines

GeoDanmark + Hill-shading + contour lines + buildings + Photoshop
Pick’n Use

DEMO
Pick’n Use demo
Pick’n Use demo
Pick’n Use demo

Link to live demo
Contact Information

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