NSDI experiences Norway

NSDI;
"Simply the way a modern National Mapping Agency
should accomplish their core business "

NSDI Norway: Digital Norway

- **600 Partners**
  - Municipalities
  - Local Authorities
  - National Institutions

- **The Norwegian Mapping Authority**
  - Standardisation
  - National coordinator
  - Producing basic data
  - Organizing maintenance of maps



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Digital Norway - <u>Cooperation</u>

- The Digital Norway collaboration started in 2005

- 612 partners of Norwegian public authorities:
  - National (41)
  - Municipalities (429 - all except Oslo)
  - Counties (18)
  - Electricity companies (122)
 - The Sami Parliament, the Finnmark Estate (2)

Digital Norway - <u>volunteer</u> cooperation supported by law

- The law is based on a continuation of Digital Norway as a voluntary partnership regulated by agreements

- **Local and state governments should**
  - make data available in an harmonised form
  - establish and maintain metadata

- **Kartverket should**
  - coordinate the SDI and operate a single access point with metadata – National geoportal
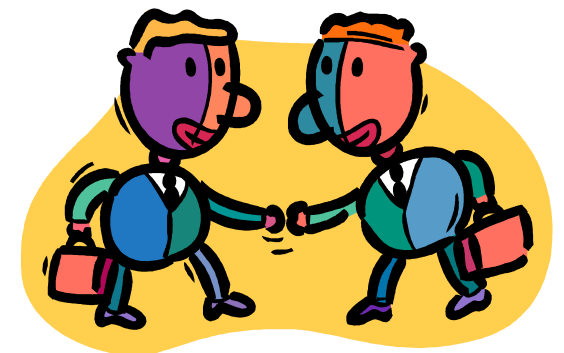
Digital Norway – <u>Involvement</u> at many levels

- ## National Secretariat (Kartverket)
  - On national and regional (county) level

- ## Management Board
  - The supreme body for co-ordination

- ## Forums for thematic information

- ## Technology forum
  - Responsible for "Technology framework"

- ## Interest groups
  - E.g. expert group on satellite data (preparing for GMES)
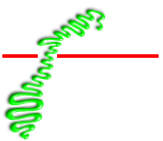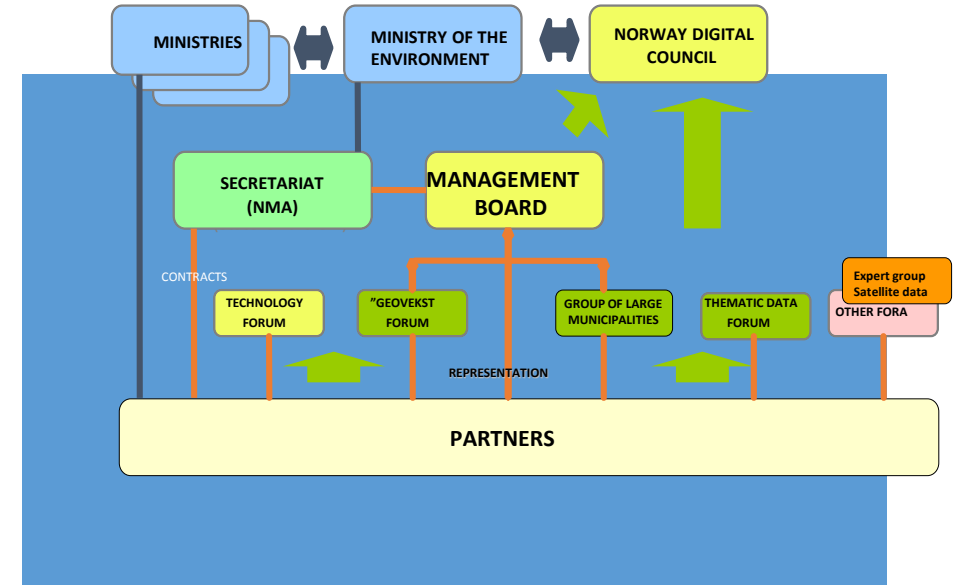
Digital Norway - Free access to data

- All partners have free access to all data of all partners, including for use in their respective portals
- Non-partners must pay for data, however:
  - A strong developments towards free data for all
  - Also for commercial use

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Digital Norway - <u>Cost sharing</u>

Agreement with all partners based on general principles
- Partners, which are data producers ensure access to their data
- Partners contribute financial to data production according to parties benefits/number of users at parties "offices"

Parties share the costs for :
- Aerial photographing , 20 % of the territory each year
- Production of orthophoto
- Production of large scale maps (Base map)

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- makes tenders and do quality control

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Cost-sharing for preparation of large scale maps

Large scale geographic information
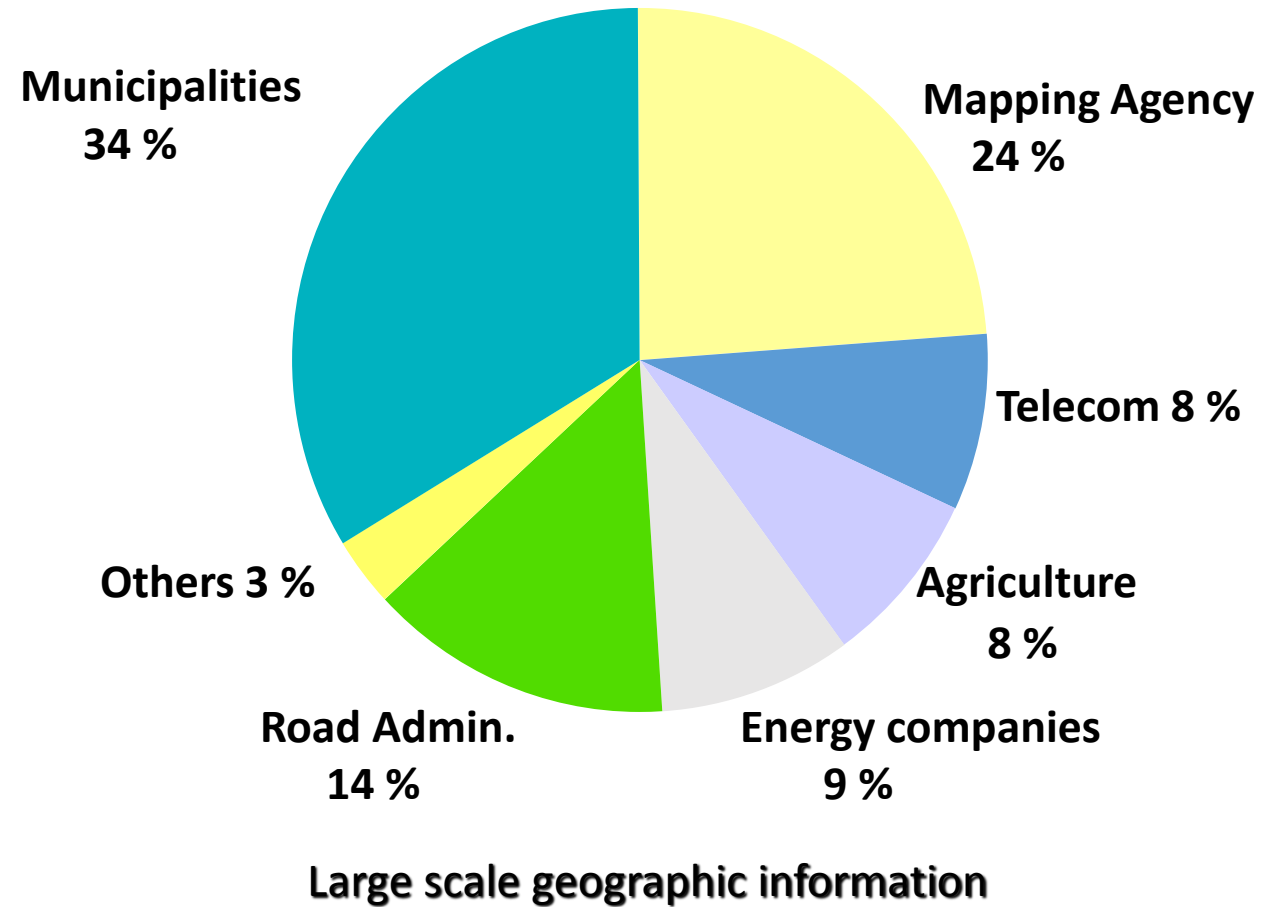
SDI beyond Inspire

- Digital Norway builds very much on the Inspire directive
  - Perhaps too complicated
  - Perhaps too much focus on metadata (meta information becoming part of the data itself)
  - Environment oriented – countries could have other priorities
  - **«Make it easier»**
- SDI is basically simply a modern tool to share and make geographic information available to users
  - **«Just the new way of running the business of a National Mapping Agency»**
- Depends basically on:
  - Internet
  - Web services
- Preferably with:
  - A service/portal giving information (metadata) about available data and their url-addresses
  - Distributed databases - but databases could as well be hosted at a central data hotel
  - Prefarably standardized to make readable overlays – but more important to give access to existing data:
  - **«Do not wait - just do it»**
  - **«Improve gradually over time»**