

# Private sector and its contribution to the NSDI

Øystein Halvorsen, President of the  
Association of Geomatic companies  
(GBL)

## **GBL organizes private geomatics industry in Norway**

We are 20 firms in GBL

6 firms are map producers - 4 with its own aircraft and sensors  
(Blom, Cowi, Fugro, Terratec)

4 Surveying firms

10 GIS firms and geomatics consulting services

Approximately 1 000 employees

## **National Spatial Data Infrastructure**

The goal of this Infrastructure is to

- reduce duplication of effort among agencies
- improve quality
- reduce costs related to geographic information
- make geographic data more accessible to the public
- increase the benefits of using available data
- establish key partnerships with states, counties, cities, tribal nations, academia and the private sector to increase data availability.

## **NSDI in Norway**

The "Geovekst" cooperation was established in the early 1990's. The major players in the map industry got together and defined a common standard FKB (Common Map Base)

V = Roads Administration

E = Energy Administration

K = The Municipality

S = Mapping Authority

T = Norwegian Telecommunication

L = Agriculture Authority

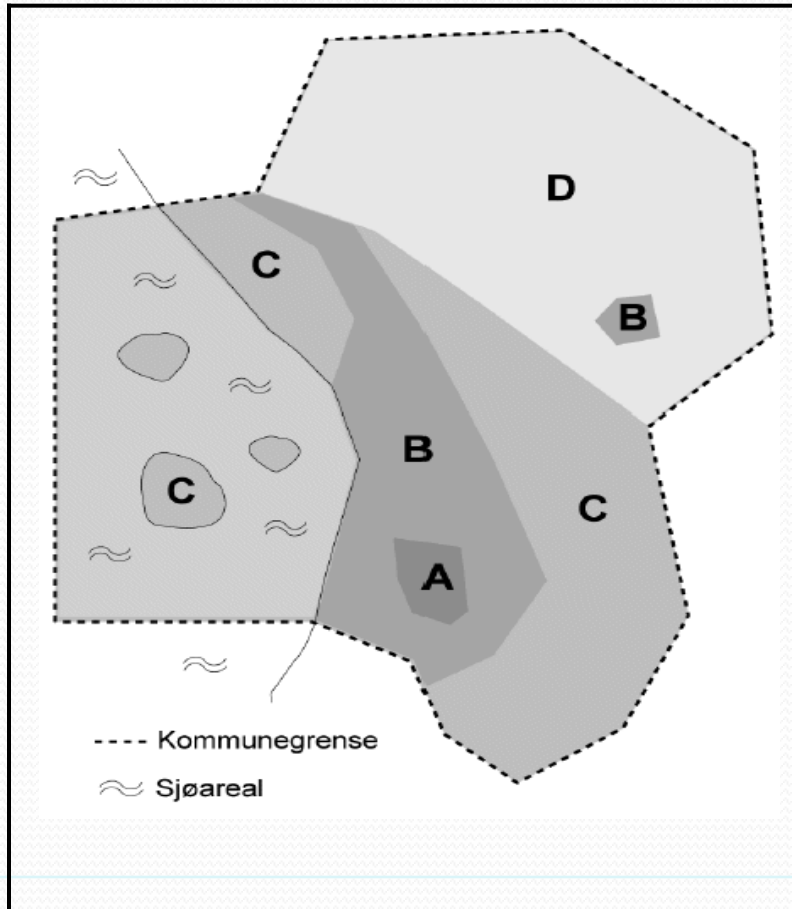
In the largest cities one standard (FKB-A)

In urban areas a different standard (FKB-B)

In rural areas a third standard (FKB-C)

In undeveloped areas a fourth standard (FKB-D)

## NSDI in Norway

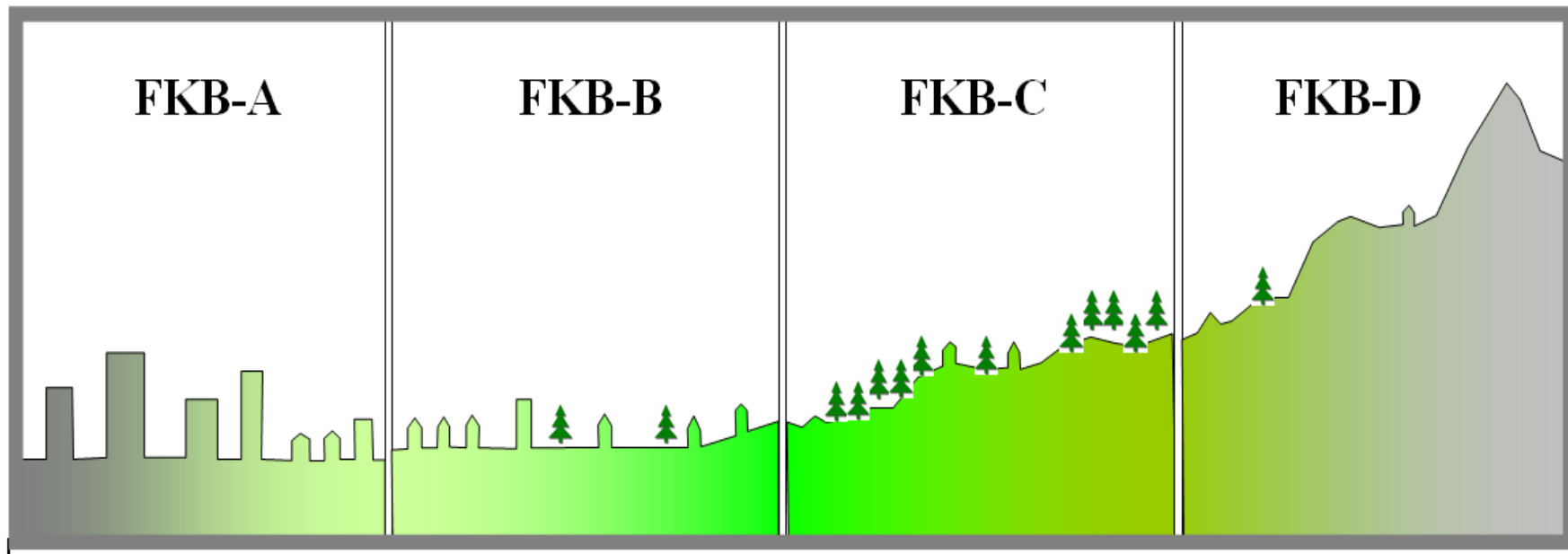


The objective of the FKB is that there will be no overlap between the various FKB standards.

The data sets in the FKB is established seamlessly, regardless of the FKB-standard

It is therefore important to be aware of the detail and quality varies depending on the type of region.

## NSDI in Norway



Example of FKB-data in a municipality divided into different region types

## **NSDI in Norway**

Geovekst - the foundation of work since 1992

Norway Digital = NSDI in practice since 2008?

General object catalog – many products

An important part of SOSI-work is the preparation of a general object catalog with descriptions of object types, attributes, relationships and any functions (operations) in different disciplines, which in turn can be the basis for one or more products

Private industry has been positive and active in the preparation of all standards. The industry has been together - the result is good.

Norway has a system in which all parts of spatial data interact through standardized WMS and WFS services.

## **NSDI in new countries, for example in Slovakia.**

Norway has long experience in the establishment and operation of common map base

Private industry has always been an active participant in the development of standards and in taking them in use

If it is to be established similar products in Slovakia, it should be done in cooperation between Norwegian and Slovakian authorities and in cooperation with private firms from Slovakia and Norway.

We have done this earlier, we have experience and may be important in this process