

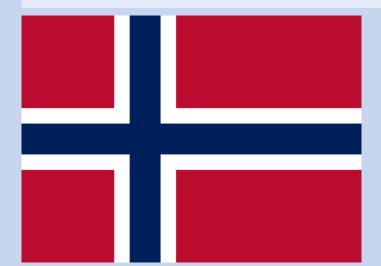
Inspire Policy Making with Territorial Evidence

TARGETED ANALYSIS //

DIGIPLAN – Fact sheets on digital plan data in Norway

Annex 2.12 of final report

Final delivery // June 2021



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This deliverable does not necessarily reflect the opinions of members of the ESPON 2020 Monitoring Committee.

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Information on ESPON and its projects can be found at www.espon.eu.

The website provides the possibility to download and examine the most recent documents produced by finalised and ongoing ESPON projects.

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These two fact sheets summarise two experiences in digitisation of plan data in Norway. This explorative investigation includes information on the digitisation of plan data, on the digital platform that contains plan data, the current uses of digital plan data as well as foreseen developments of the investigated platforms.

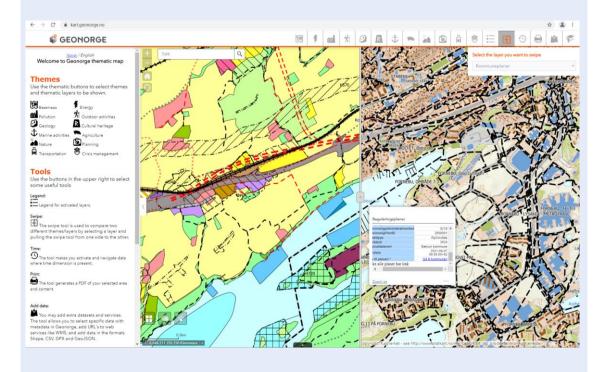
The inputs are based on both a desk study and interviews with experts at the:

- Ministry of Local Government and Modernisation (Kommunal- og moderniseringsdepartementet), with three sub-units for the investigation at national level: the National Planning Agency (Planavdelingen), The Directorate for Building Quality (DiBK) and the Norwegian Mapping Authority (Kartverket).
- Municipalities of Bærum and Sandnes for the investigation at municipal level.

Norway (Decentralised; three levels of government) - national level

The Norwegian planning system is characterised by the relationship between state framework and extensive municipal land-use authority and service provision, with an intermediate regional level providing large scale services like transportation, development strategies and counselling on place-making. Digitisation of plan data has been a process characterised by initiatives from both top and bottom, developing a system of network collaboration and on producing and sharing geodata and plan data, relying on the coordinating role of the national map authority, as well as standards and product specifications for land-use plans.

The digital plan data portal investigated is the national-wide Geonorge (https://kartkatalog.geonorge.no/?theme=Plan). It can be visualised on a dedicated portal (https://kart.geonorge.no/seplan/)



Background information

Main stakeholder(s)	Ministry of Local Government and Modernisation (KMD), Norwegian Mapping Authority (Kartverket), Municipalities.
Level of digitalisation of the geoportal	Basic: the user can only see plan data in digital form. However, other layers can be overlayed and links to the municipalities' plan data portal are available.

Norway (Decentralised; three levels of government) - national level The digitisation of plan data Main purpose(s) To ensure the same standard across municipal boundaries. To allow for analysis of plan data from different municipalities. Equal treatment in different municipalities. Standardised evaluation. Providing high quality digital plans to support automatic building processes Added value Equal treatment of application across municipal boundaries, which ensures legitimacy of the planning system. Cost reduction as the same data does not have to be produced more than once. Main driver(s) Larger municipalities' request for adequate information, and to some extent smaller ones with motivated individuals. Ministry of Local Government and Modernisation. Main obstacle(s) Legal framework - plans are legally binding, cannot be changed once approved Challenging to digitise older plans IT competence and resources in the municipalities Standards and National product specification for land-use plans and digital plan archives (KMD) methods SOSI-standard for plan data, a geospatial vector data format developed in Norway for exchange of geographical information. Municipalities assess data by controlling the geometry and conformity to the sosistandard and national product specification. This is done automatically using software provided by private companies. Municipalities put the plan data on the local portal when the plan is approved. Many municipalities have regular upload schedules to the national portal as well, while some have about once or twice a year, and others not at all. The current platform Type of digital plan All plan data that municipalities upload (all planning types). For some municipalities not data included all plan data is available. Some municipalities only make some plans available. Legal status of the Not legally binding. Physical copy with signatures and stamps are the binding ones. digital plan data The current uses of digital plan data No official monitoring of users, but some statistics are available for internal use by the Type of users different actors operating the websites. It is believed that planners and developers who use plan data in planning processes use the platforms the most, as well as public authorities, private stakeholders and citizens in hearing processes.

Number of users (monthly or yearly

average)

No information

Norway (Decentralised; three levels of government) - national level

Example of evaluation of planning practices or innovative practices

There are some early stage projects for automatic feasibility studies based on plan data and other relevant geodata.

An ongoing project for Common Planning Services (Fellestjenester Plan) seeks to provide automitic controls in relation to regulations and validation services, based on common nomenclatura and warnings, improving the structure of plan data.

Foreseen developments

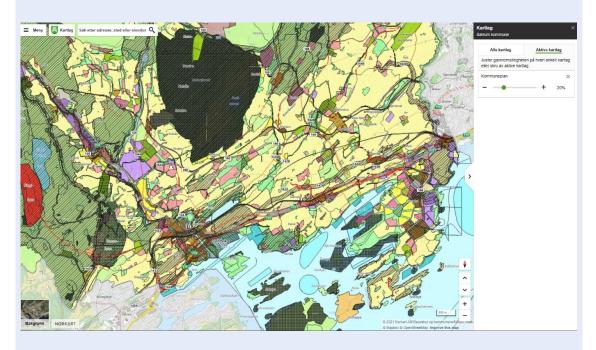
- Georeferencing planning provisions what is applicable to a specific property
- Possibility of 3D zoning plans and regulations
- Making planning regulations for a particular property more accessible

Levels	Planning instru- ments (Names in English)	Planning instruments (Name in local language)	Included in the geoportal?
National	National expectations for regional and mu- nicipal planning	Nasjonale forventninger til regio- nal og kommunal planlegging	No
	National planning guidelines and provisions	Statlige planretningslinjer / - planbestemmelser	Some, e.g. the coast protection zone
	State zoning plan (e.g. for infrastructure)	Statlig arealplan	Yes, delineation and link to documents
Sub-national	Regional plan	Regional plan / regionale planbestemmelser	No
Local	Municipal land-use plan	Kommuneplanens arealdel / kommunedelplan	Yes, delineation and link to documents
	Area zoning plan	Områderegulering	Yes, delineation and link to documents
	Detailed zoning plan	Detaljregulering	Yes, delineation and link to documents

Norway (Decentralised; three levels of government) – municipality of Bærum

Norwegian municipalities have a close-to-monopoly on land-use authority. The municipal level is hence the most important arena for gathering and combining plan data and geodata for planning purposes. The municipal geioportals are also the decisive interface for updataes and plan data accessibility.

The municipal plan register using Bærum municipality as an example (https://kommunekart.com/klient/baerum/kart)



Background information

Main stakeholder(s)	Municipality (Bærum, Sandnes)
Level of digitalisation of the geoportal	Intermediate: the user can make a limited number of simple operations based on the available plan data (e.g. 3d visualisation, creation of topographic profiles, drawing, measuring, printing and sharing options). Pilot project in some municipalities: creation of a report summarising the planning instruments for a specific parcel (Drømmeplaner).

The digitisation of plan data

Main purpose(s)	Making data available digitally Knowledge based decision making in all sectors of society (e.g. building applications) Raising the quality of the plan data.
Added value	More available information about the results of planning: frames, regulations, possibilities. More effective processes.
Main driver(s)	Key persons within the municipality

Norway (Decentralised; three levels of government) – municipality of Bærum				
Main obstacle(s)	Sufficiently technologically advanced software to digitize plan data has been lacking up until recent years. Lack of resources in the municipality.			
Standards and methods	National product specification (KMD) Municipalities assess data by controlling the geometry and conformity to the SOSI- standard and national product specification. This is done automatically using software provided by private companies. Municipalities puts the plan data on the local portal when the plan is approved. Many municipalities have regular upload schedules to the national portal as well, while some have about once or twice a year, and others not at all.			
The current platform				
Type of digital plan data included	All municipal plans (municipal master plans, area zoning plans and detailed zoning plans) are available on most local portals. Some older plans only available as pdf.			
Legal status of the digital plan data Legally binding. The legally binding document may be approved and signed physical or in an approved digital archive format such as pdf, with geoportal replica.				
The current uses of	digital plan data			
Type of users No official monitoring of users, but some statistics are available for internal use be different actors operating the websites. It is believed that the groups using the plant the most are authorities, planners, real-estate agents and the general public.				
Number of users No information				
Example of evaluation of planning practices or innovative practices	No information			
Foreseen developments				
There are some ideas of a sort of user-application to increase participation from groups that are not so easily involved, such as youths.				

Levels	Planning instru- ments (Names in English)	Planning instruments (Name in local language)	Included in the geoportal?
National	National expectations for regional and mu- nicipal planning	Nasjonale forventninger til regio- nal og kommunal planlegging	No

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	Detailed zoning plan	Detaljregulering	Yes, delineation and link to documents



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