

Datafordeleren and Dataforsyningen

SP Net info 98

Uploaded: 08.02.2022
Latest revision:

For almost a decade the public webservice 'Kortforsyningen' has been supplier of digital maps of Denmark. 'Kortforsyningen' is now being phased out gradually; some data – e. g. cadastral data ('Matrikelkort') and data for roads, railroads and buildings ('Geodanmark') – are still available from 'Kortforsyningen', but later this year 'Datafordeleren' and 'Dataforsyningen' will take over completely. Right now (February 2022) the easiest way to get Geodanmark data is from 'Kortforsyningen' and terrain data from 'Dataforsyningen' (described in this guide from page 6).

Data from 'Datafordeleren'

<https://datafordeler.dk/>

This guide is focusing on how to get access to terrain data from 'Danmarks højdemodel' (DHM2015_terrain) in geotiff format. There are other terrain data available from 'Datafordeleren', but the youngest data (DHM Terraen and Punktsky) are delivered in blocks of 10 x 10 km (and not like before in 1 x 1 km per tiff file), which makes it more time consuming to work with the new format. (SoundPLAN Nord ApS has informed 'Datafordeleren' that for many of our customers the size of the new 10 x 10 km blocks is inconveniently big). Besides this guide a rather extended series of user guides are available on <https://datafordeler.dk/vejledning/>.

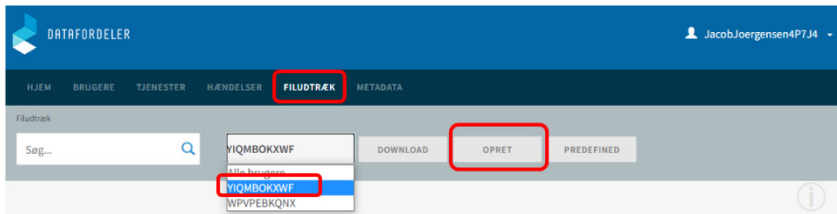
Terrain data from 'Datafordeleren'

First step is to create a web user ('Webbruger'), click 'LOG PÅ SELVBETJENING':

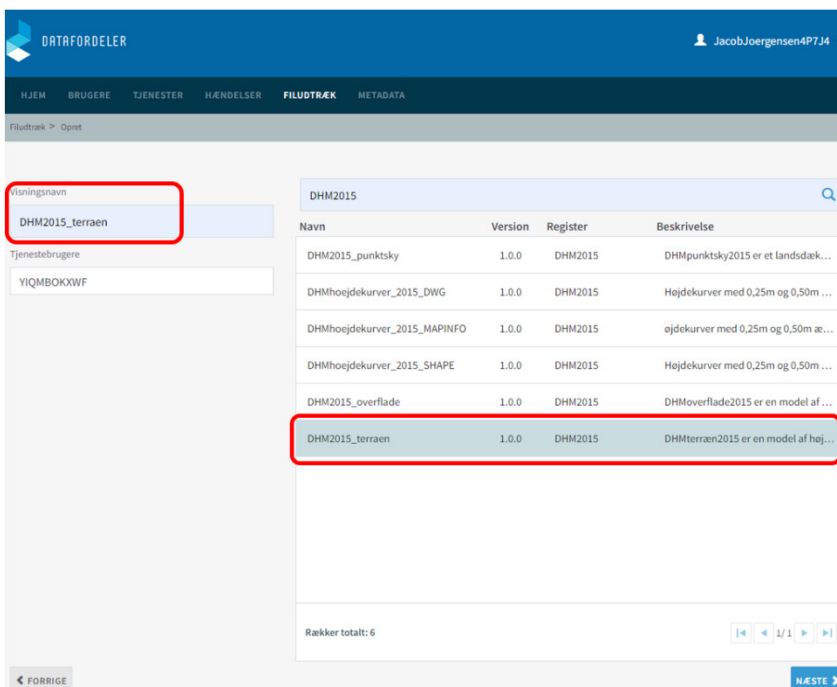


When the web user (might be a company) has been generated, a specific user ('Bruger') must be created; here a username ('Brugernavn') is automatically issued, and a password ('Adgangskode') must be keyed in and repeated. In the example below the username is YIQMBOKXWF.

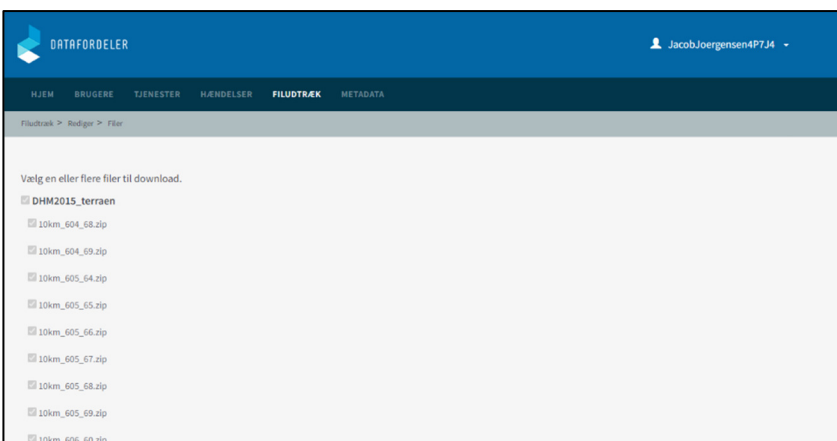
From the menu 'FILUDTRÆK', select the freshly generated user and subscribe a service with the button 'OPRET'. A guide can be found here: <https://confluence.sdfe.dk/pages/viewpage.action?pageId=16056698>



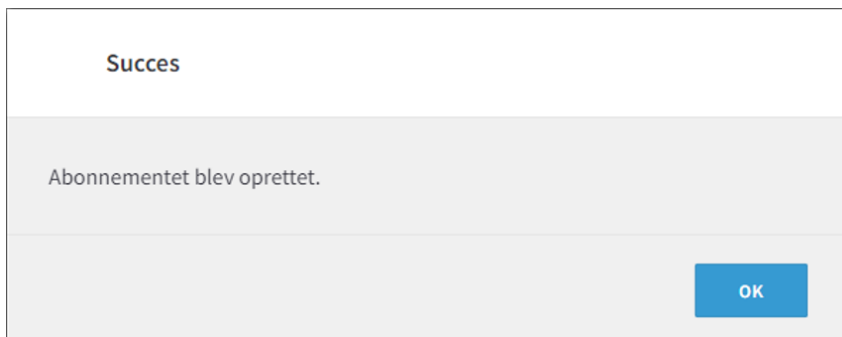
Now search for the relevant data, e. g. DHM2015 (digital ground model). The selected data (here DHM2015_terraen) must be given a display name ('Visningsnavn'). In the example below the name of the selected data was also chosen as display name.



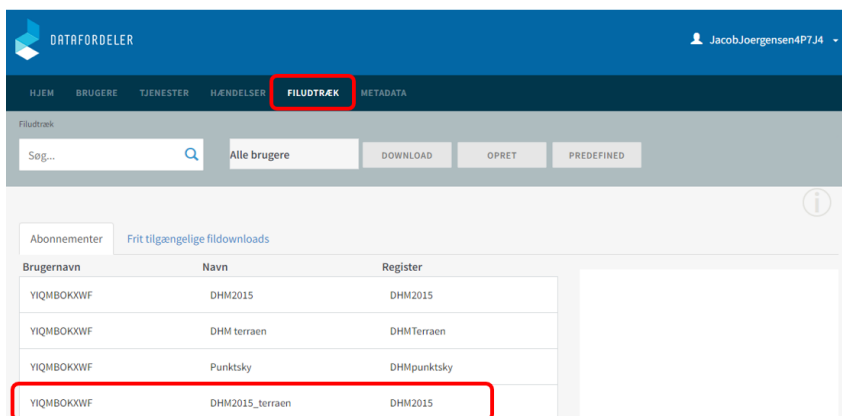
Now the requested data set is displayed:



At this step you will receive a message like the one below: your subscription succeeded.



The menu 'FILUDTRÆK' shows your orders:

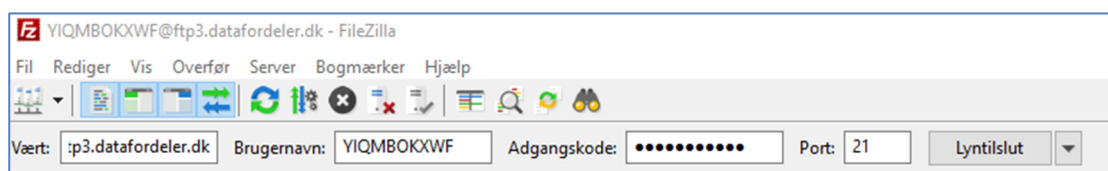


In a mail like the one below you will be informed where to get the requested data:



As can be seen you need to approach an FTP server to actually get hold on your data. To do that you must install an FTP client such as FileZilla, CoffeCup Free FTP, WinSCP on your PC. In the following example FileZilla was used.

The mail you received includes a link to the hosting FTP server: **ftp://ftp3.datafordeler.dk**. In your FTP client you must insert this address together with your username ('Brugernavn'), password ('Adgangskode') and port number, which in this case is 21:



Now you have access to geotiff files in blocks of 10 x 10 km covering all Denmark, ready for download.

YIQMBOKXWF@ftp3.datafordeler.dk - FileZilla

Fil Rediger Vis Overfør Server Bogmærker Hjælp

Vært: ftp3.datafordeler.dk Brugernavn: YIQMBOKXWF Adgangskode: ***** Port: Lyntilslut

Status: Forbindelsen til serveren blev afbrudt
 Status: Fortolk adressen ftp3.datafordeler.dk
 Status: Opretter forbindelse til 131.165.213.138:21...
 Status: Forbindelsen blev etableret, venter på velkomstbesked...
 Status: Usikker server, understøtter ikke FTP over TLS.
 Status: Logget ind
 Status: Henter mappevisning...
 Status: Mappevisning af "/" blev vist
 Status: Henter mappevisning for "/DHM2015_terraen_20220106142425"...
 Status: Mappevisning af "/DHM2015_terraen_20220106142425" blev vist
 Status: Henter mappevisning for "/DHM2015_terraen_20220106142425/DHM2015_terraen"...
 Status: Mappevisning af "/DHM2015_terraen_20220106142425/DHM2015_terraen" blev vist

Lokalt sted: SoundPLAN Fjernsted: /DHM2015_terraen_20220106142425/DHM2015_terraen

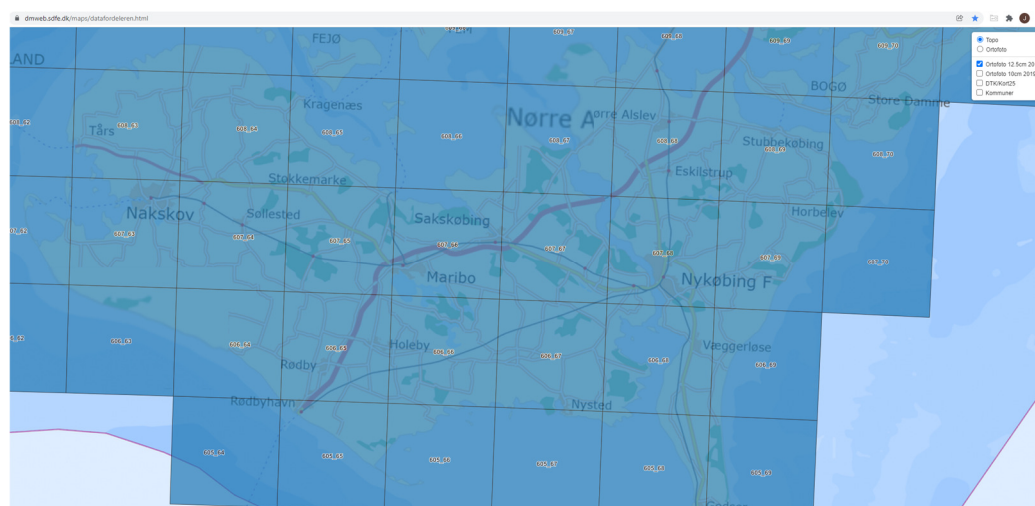
Filer:

- DHM2015_20220103130907
- DHM2015_terraen_20220106142425
 - DHM2015_terraen
 - Geo_test_20220103135203
 - GeoDanmark60_SHP_20220101180000

Filnavn	Filstørrelse	Filtype	Sidst ændret	Tilladelser	Ejer/gruppe
10km_604_68.zip	967.933	ZIP-kompr...	18-03-2021	-rw-r--r--	65534 65534
10km_604_69.zip	972.659	ZIP-kompr...	18-03-2021	-rw-r--r--	65534 65534
10km_605_64.zip	8.773	ZIP-kompr...	18-03-2021	-rw-r--r--	65534 65534
10km_605_65.zip	555.442.684	ZIP-kompr...	18-03-2021	-rw-r--r--	65534 65534
10km_605_66.zip	249.043.864	ZIP-kompr...	18-03-2021	-rw-r--r--	65534 65534

To identify which files you need, this link takes you to the overview map show below:

<https://dmweb.sdfe.dk/maps/datafordeleren.html>



Data from Dataforsyningen:

<https://dataforsyningen.dk/>

From this website it is considerably easier to get access to data. However, the diversity of data is for the moment not that extended as on 'Datafordeleren', but it is said to increase over time, so maybe it is worth keeping an eye on this page.

From 1 February 2022, it is possible to download the latest terrain points and surface points (DTM and DSM), as known from 'Kortforsyningen'. This is probably the fastest / easiest way to retrieve terrain data, as you directly select data in a map window.

From 'Dataforsyningen' you can (from 1 February 2022) get terrain data (DHM Terraen and Punktsky) in blocks of 10 x 10 km (and like before it is saved in 1 x 1 km geotiff files) After login: Click 'DATA' > 'DOWNLOAD' > 'GEOTIFF' > 'DANMAKS HØJDEMODEL – TERRÆN' > 'GEOTIFF...'.
 (Note: The original text contains a typo 'DANMAKS' which has been corrected to 'DANMARKS' in the image.)

The screenshot shows the 'Dataforsyningen' website interface. At the top, the 'DATA' menu item is highlighted with a red box. Below the navigation bar, the 'DOWNLOAD' button is also highlighted with a red box. The main content area displays a list of data products. The first product, 'DANMARKS HØJDEMODEL - TERRÆN', is selected, and its 'DOWNLOAD' button is highlighted with a red box. Below the product list, a map of Denmark is shown with a red box highlighting the 'Copenhagen' area. At the bottom right, the 'GET DATA' button is highlighted with a red box.

From 'Dataforsyningen' you can also get elevation lines in blocks of 10 x 10 km with spacing 0,5 m as Shape files:
After login: Click 'DATA' > 'DOWNLOAD' > 'SHP' > 'DANMAKS HØJDEMODEL – HØJDEKURVER' > 'SHP...'.
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The screenshot shows the 'Dataforsyningen' website interface. At the top, the 'DATA' menu is highlighted with a red box. Below the navigation bar, the 'DOWNLOAD' button is highlighted with a red box. The main content area displays a grid of data products. The first product, 'DANMARKS HØJDEMODEL - HØJDEKURVER', is selected, and its 'SHP' download option is highlighted with a red box. Below the grid, a map of Denmark is shown with a red box highlighting the 'BOSTE' area. To the right of the map, the 'VÆLG OMRÅDE' (Select Area) dropdown menu is highlighted with a red box. At the bottom, the 'BOSTE' area is selected, and the 'SHP' download option is highlighted with a red box.