

Downloading map data through a URL address

Map data can be downloaded directly using a URL address. The data to be downloaded and the file format can be defined with parameters in the URL.

Choosing file format

The file format to be downloaded is given in the parameter 'outputFormat' in the URL query.

For example, Paavo statistical data in ESRI shapefile format are downloaded with the following address:

https://geo.stat.fi/geoserver/wfs?service=WFS&version=2.0.0&request=GetFeature&typeName=postialue:pno_tilasto&outputFormat=SHAPE-ZIP

The file is in ZIP format. To gain access to it, you have to extract the contents first.

If you want to download the same data in CSV format, change the 'outputFormat' parameter as follows:

https://geo.stat.fi/geoserver/wfs?service=WFS&version=2.0.0&request=GetFeature&typeName=postialue:pno_tilasto&outputFormat=csv

Below are examples of parameters that can be given as outputFormat in the URL (outputFormat=...)

- SHAPE-ZIP (Format: Shapefile)
- csv (Format: CSV)
- json (Format: GeoJSON)
- kml (Format: KML)

Choosing the data

The data to be downloaded are given in the parameter 'typeName' in the URL query.

For example, the above-mentioned example about Paavo statistical data can be changed so that instead of the parameter typeName, the parameter postalue:pno_meri is given, in which case map data extending to the sea areas are downloaded instead of statistical data:

https://geo.stat.fi/geoserver/wfs?service=WFS&version=2.0.0&request=GetFeature&typeName=postalue:pno_meri&outputFormat=SHAPE-ZIP

With the GetCapabilities query you get a list of parameters which can be given as typeName in the URL (typeName=...):

<https://geo.stat.fi/geoserver/wfs?service=WFS&request=GetCapabilities&version=2.0.0>

Below is an example of the response to a GetCapabilities query. Road Traffic Accidents in 2019 is used as data and the typeName parameter to be inserted in the URL is tieliikenne:tieliikenne_2019:

<FeatureType>

<Name>tieliikenne:tieliikenne_2019</Name>

<Title>Tieliikenneonnettomuudet 2019</Title>

<Abstract>Tieliikenneonnettomuudet 2019</Abstract>

Thus, the URL query concerning road traffic accidents in 2019 is in the form:

https://geo.stat.fi/geoserver/wfs?service=WFS&version=2.0.0&request=GetFeature&typeName=tieliikenne:tieliikenne_2019&outputFormat=SHAPE-ZIP