

DIGIROAD

National Road and Street Database

General introduction 2024



Väylävirasto
Trafikledsverket



Digiroad

- Digiroad is the Finnish Transport Infrastructure Agency's national open data information system. It contains the center line geometry and key characteristics of the entire Finnish road and street network.
- Digiroad offers a free and unified description of the transport network in a digital format.
- The Finnish Transport Infrastructure Agency (FTIA) administrates the Digiroad service.
- Municipalities, private road associations, National land survey of Finland (NLS) and the Centres for economic development, transport and environment (ELY) take care of the data administration in co-operation with the Finnish Transport Infrastructure Agency.

Digiroad's operations are based on the laws



Act on the Road and Street Network Information System (991/2003)



The Government Decree on Characteristics Data Stored in the Road and Street Network Information System (997/2003)



Private road law (560/2018)



Road traffic act (729/2018), in effect 6/2020



Act on a temporary incentive system for forestry (METKA) (71/2023)

A concrete bridge with multiple pillars spans across a calm lake. The bridge has a dark metal railing and several tall, thin light poles. In the foreground, there are out-of-focus pink flowers. The background shows a line of green trees under a clear blue sky.

Digiroad-material

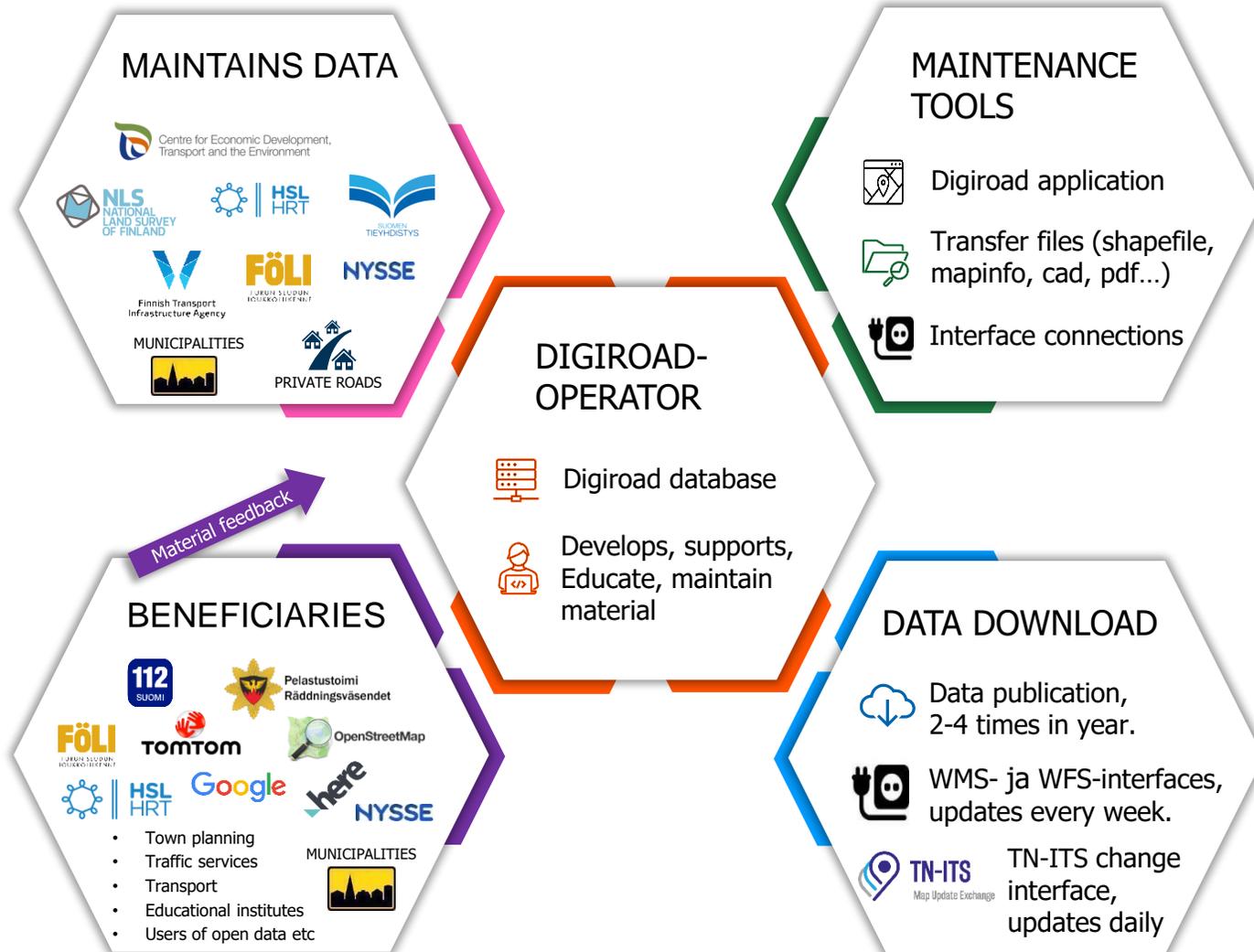
Maintain and utilize

Digiroad application for data maintenance

- Free and easy to use location information application
- Usernames can be ordered from the Digiroad operator: info@digiroad.fi
 - When ordering, inform the operator: Name, phone number and email address.
- The Digiroad description of data objects document provides additional information
 - For example, more detailed information of data objects, a traffic sign comparison table and much other necessary information.
 - The latest [Digiroad description of data objects](#) -document (.pdf)
 - The latest [Digiroad material](#) for download in Shapefile or GeoPackage formats).



Maintenance and utilization of Digiroad data



Finnish Transport Infrastructure Agency's open data

SUOMEN VÄYLÄT



About 300 pieces of open road-related geospatial data for viewing and downloading.
Digiroad's data objects can be viewed on the map and can be downloaded in file format

[Suomen Väylät mapservice](#)

TRANSFER OF MATERIALS

Id	Resource name	Access
1
2
3
4
5
6
7
8
9
10

INTERFACES

```
WMS/WFS
.shp
.json
.csv
```

WMS/WFS
.shp
.json
.csv

[Digiroad-interfaces](#)



Finnish Transport
Infrastructure Agency

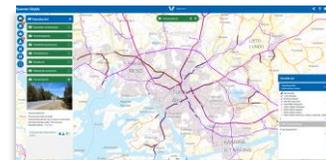


vayla.fi/avoindata

METADATA

Tietoa resurssista	
Käyttäjät	Liene
Paikkatietohakemiston sisäosa	• Etelä-Suomi • Keski-Suomi • Pohjois-Suomi • Uusimaa
Avoina	• RATKO • Avoindata
Kieli	• Suomi
Resurssin kuvaus	• http://avoindata.fi/100129
Luokitus	Julkiset
Luokitelut	• Eri muotoisista

THEME MAPS



Complete map collections, e.g.:

- Private road map
- Road number map

[Private road map](#)
[Road number map](#)

Open data for downloads:

- Digiroad publication
- Introductions
- Data descriptions
- Geospatial datasets

[Finnish Transport Infrastructure Agency - Forwarding service for open data](#)

Description information about all open data in the spatial data directory and on the avoindata.fi website

[Paikkatietohakemisto avoindata.fi](http://paikkatietohakemisto.avoindata.fi)

A stack of three road signs is shown against a background of a cloudy sky and trees. The top sign is a triangular warning sign with a yellow background and a red border, featuring a large black exclamation mark. The middle sign is rectangular with a green background and a white border, containing the word 'Kellirikko' in white, sans-serif capital letters. The bottom sign is rectangular with a yellow background and a red border, displaying '19 km' in black, sans-serif font, with a black upward-pointing arrow to its right. A semi-transparent green horizontal bar is overlaid across the middle of the image, containing the text 'Digiroad' and 'Private roads' in white.

Digiroad

Private roads

Information about private roads is important

- The centerline geometry of private roads to Digiroad can be obtained from the National Land Survey of Finland.
- The characteristics of private roads are reported to Digiroad by road association´s or road managers, sometimes also by municipalities.
- According to the Private roads act, the information must be provided when applying for financial assistance.
- It is also recommended to report information on non-maintained private roads, e.g. in terms of navigation and vehicle routing, e.g. rescue service and heavy transport.
- The information is primarily reported to Digiroad using the VYYTI form ➡ Digiroad voucher as an attachment to the grant application.
- Instructions for filling out the form with the VYYTI form and on [Digiroad's YouTube](#) (only in Finnish).
- Supplements and location maps can also be sent to the Digiroad operator by email: info@digiroad.fi.



Väylävirasto
Trafikledsverket

VYYTI-lomake:
yksityistie.vaylapilvi.fi/

Yksityistietetojen ylläpitovastuut



DIGIROAD :

- Characteristics of private roads.
- From the VYYTI service, the Digiroad form is attached to grant applications.

NATIONAL LAND SURVAY OF FINLAND :

- The contact information of the road association, Private road register.
- Center line geometry and road network characteristic data for private roads.

MUNICIPALITIES :

- Characteristics of private roads maintained by municipalities.
- The association can apply for grants.

CENTRE FOR ECONOMIC DEVELOPMENT, TRANSPORT AND THE ENVIROMENT :

- Road association can apply for a grant to improve a private road or to maintain and renovate a special site such as a ferry or winter road.

SUOMEN TIEYHDISTYS :

- Suomen Tieyhdistys acts as a national guardian and guide for private roads and their roads.

PRIVATE ROAD ASSOCIATIONS :

- Delivery of property data of private roads to Digiroad.
- Submitting the contact details to the NLS.
- Applying for private road grants.

The process of private road notifications between the municipality and Digiroad



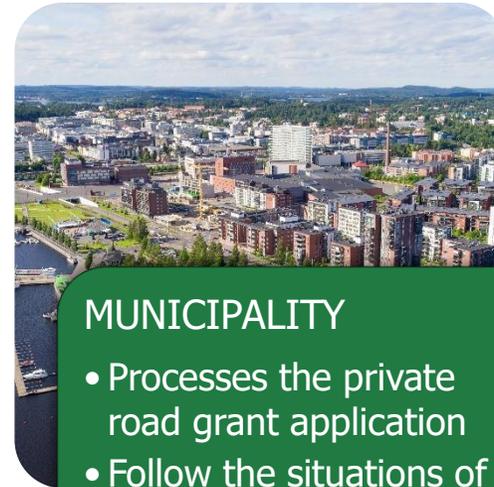
PRIVATE ROAD REPRESENTATIVE

- Fills out the VYYTI form
- Get a Digiroad voucher to attach to the grant application



DIGIROAD-OPERATOR

- Processes notification
- Supports and helps



MUNICIPALITY

- Processes the private road grant application
- Follow the situations of private roads

Monitoring of private data in municipalities

DIGIROAD APPLICATION

- Details of individual private road
- Always up to date
- Username can be ordered from the Digiroad-operator

DIGIROAD-SOVELLUS



SUOMEN VÄYLÄT, MAP SERVICE

- Overall picture and individual private roads
- The material is updated on Tuesdays
- [Private roads on map](#)

SUOMEN VÄYLÄT



Digiroad contact information



Phone: 040 507 2301 (ark. Klo 9-16)



Email: info@digiroad.fi



Internet: <https://vayla.fi/digiroad>



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