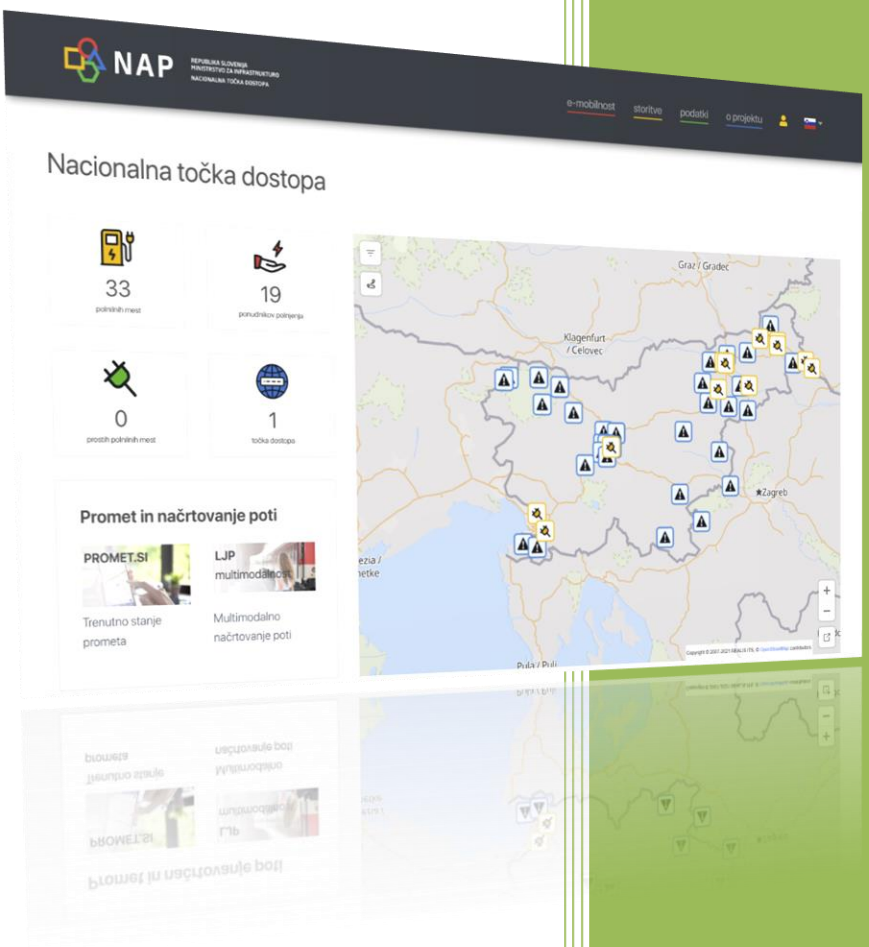
NAP

National access point

version: 04.04.2024

B2B data sharing



NCUP

REPUBLIC OF SLOVENIA
MINISTRY OF INFRASTRUCTURE

Realis
INFORMACIJSKE TEHNOLOGIJE

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This document contains instructions for B2B data sharing B2B over the NAP web data services.

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Data

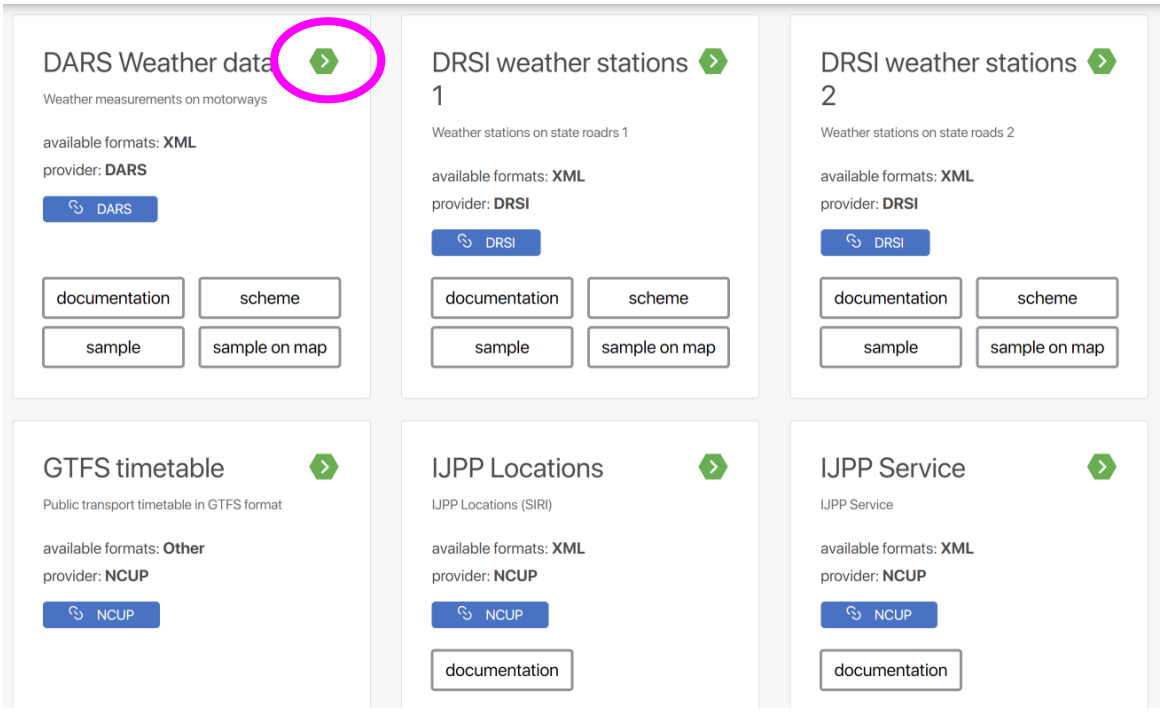
The purpose of the National traffic management centre is to serve primarily as a data warehouse for all available traffic data and to provide all necessary services within the scope of Intelligent Transport Systems (ITS) as well as information necessary for traffic control and management. The website represents the Single point of access where clients can obtain verified and reliable data about the traffic situation and traffic infrastructure.

Website URL:
https://www.nap.si

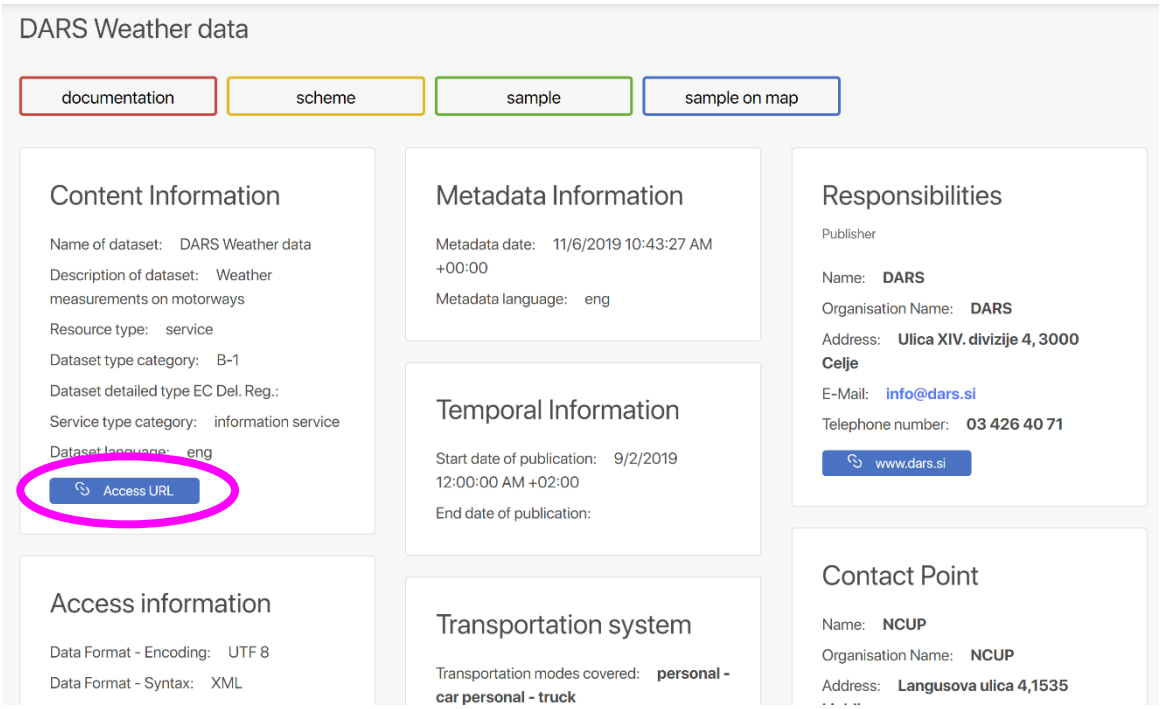
Users have to register in order to obtain data. Registered users can apply for permissions for specific datasets and when approved, use them via the HTTPS protocol using OAuth2 authentication standard.

List of available datasets in slovenian language:
https://www.nap.si/sl/datasets

List of available datasets in english language:
https://www.nap.si/en/datasets

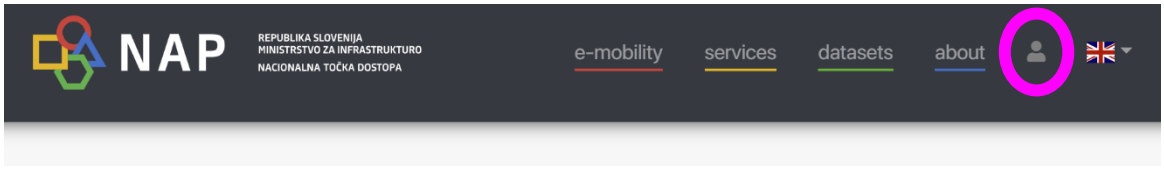


Click the »More« button to see dataset metadata details. One of them being the URL address, where the dataset is available.

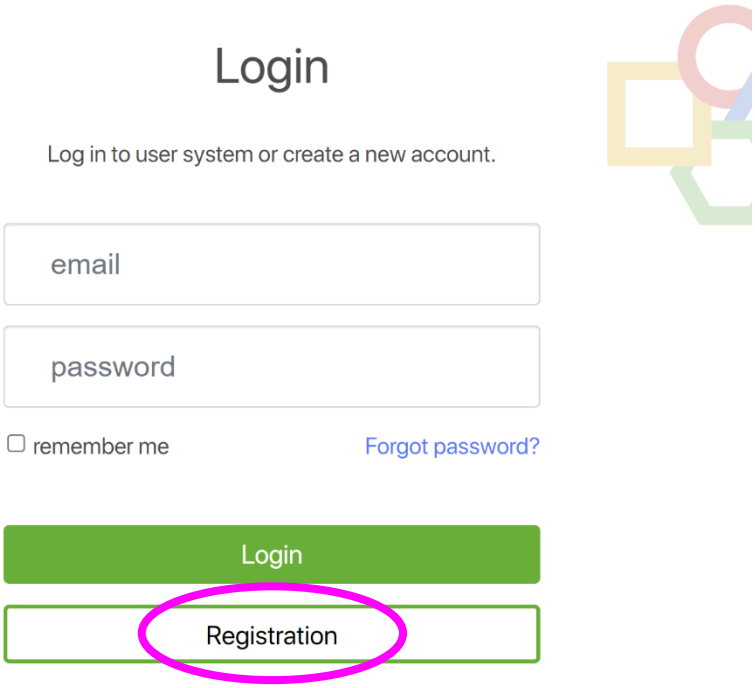

DARS Weather data
documentation
scheme
sample
sample on map
Content Information
Name of dataset: DARS Weather data
Description of dataset: Weather measurements on motorways
Resource type: service
Dataset type category: B-1
Dataset detailed type EC Del. Reg.:
Service type category: information service
Dataset language: eng
Access URL
Metadata Information
Metadata date: 11/6/2019 10:43:27 AM +00:00
Metadata language: eng
Temporal Information
Start date of publication: 9/2/2019 12:00:00 AM +02:00
End date of publication:
Responsibilities
Publisher
Name: DARS
Organisation Name: DARS
Address: Ulica XIV. divizije 4, 3000 Celje
E-Mail: info@dars.si
Telephone number: 03 426 40 71
www.dars.si
Access information
Data Format - Encoding: UTF 8
Data Format - Syntax: XML
Transportation system
Transportation modes covered: personal - car personal - truck
Contact Point
Name: NCUP
Organisation Name: NCUP
Address: Langusova ulica 4,1535

Registration

Registration into the NAP user system is necessary. Click the »user« icon in the main menu of the NAP website.



The login page appears. The user must follow the registration procedure including the email confirmation.



Once registered the user can log in. On their profile page the user can see a list of available datasets they can apply for. To apply for datasets the user can check a checkbox »request« for desired datasets, fill in a form at the bottom, and click the »Apply for permissions« button. The users request will be forwarded to the NAP. When the request is processed its status will change in the »Permissions« filed. If approved the user can start using the dataset.

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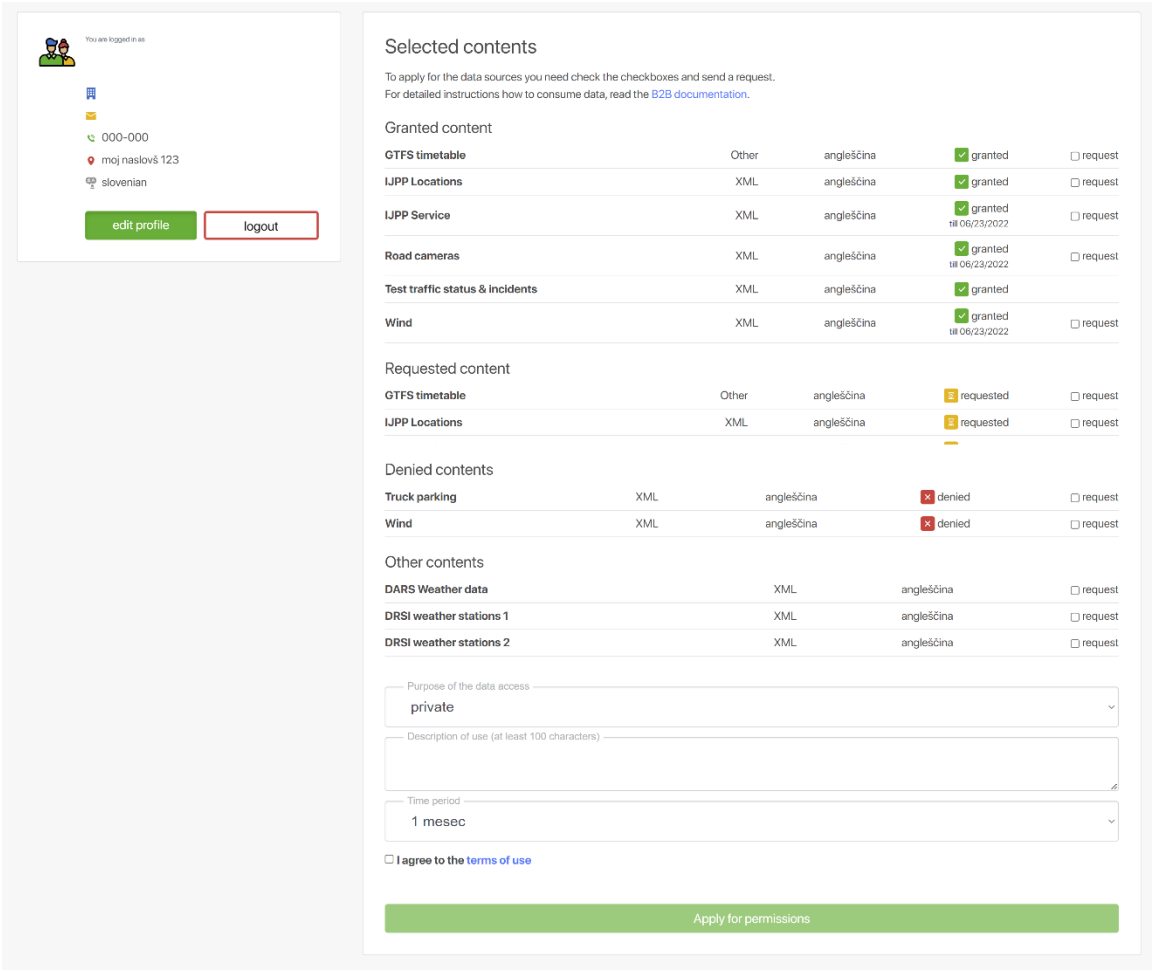
You are logged in as
000-000
moj naslovš 123
slovenian
edit profile
logout
Selected contents
To apply for the data sources you need check the checkboxes and send a request.
For detailed instructions how to consume data, read the B2B documentation.
Granted content
GTFS timetable Other angleščina granted request
IJPP Locations XML angleščina granted request
IJPP Service XML angleščina granted till 06/23/2022 request
Road cameras XML angleščina granted till 06/23/2022 request
Test traffic status & incidents XML angleščina granted
Wind XML angleščina granted till 06/23/2022 request
Requested content
GTFS timetable Other angleščina requested request
IJPP Locations XML angleščina requested request
Denied contents
Truck parking XML angleščina denied request
Wind XML angleščina denied request
Other contents
DARS Weather data XML angleščina request
DRSI weather stations 1 XML angleščina request
DRSI weather stations 2 XML angleščina request
Purpose of the data access
private
Description of use (at least 100 characters)
Time period
1 mesec
I agree to the terms of use
Apply for permissions

Data requests

After getting permission for a dataset, the user can start using it with the HTTPS OAuth2 protocol. This is a two-step protocol: first an initial request to get a security token is made, then the requests for the datasets are made using this token.

Request for a token

Parameters:

- username (registered email)
- password

URL to call for a security token:
https://b2b.nap.si/uc/user/token

You must use the HTTPS POST protocol and set a HTTP header
Content-Type: application/x-www-form-urlencoded. Send the username and password in the request body according to the following example:

```
POST https://b2b.nap.si/uc/user/token HTTP/1.1
Host: b2b.nap.si
Content-Type: application/x-www-form-urlencoded

grant_type=password&username=...&password=...
```

If successful the server responds with a JSON object that contains:

- access token with limited validity for accessing your datasets (marked green)
- refresh token for refreshing the access token periodically (marked blue):

```
{
"access_token": "eyJ0...",
"token_type": "bearer",
"expires_in": 86399,
"refresh_token": "eyJ0..."
}
```

Request for a dataset

Using the »access_token« you can now make a request for the datasets. Add a HTTP header »Authorisation: bearer« to the request with your access token.

```
Authorization: bearer <access_token>
```

URL for the dataset requests is:
https://b2b.nap.si/data/

You also have to specify which dataset you are requesting. Use its content ID-code, for example »b2b.events«, »b2b.roadworks«, »b2b.wind« etc. Dataset ID-codes are specified in the dataset metadata. See:
https://b2b.nap.si/data/b2b.events
https://b2b.nap.si/data/b2b.roadworks
https://b2b.nap.si/data/b2b.wind

This is a HTTPS POST request example for the »b2b.events« dataset:

```
GET https://b2b.nap.si/data/b2b.events HTTP/1.1
Host: b2b.nap.si
Authorization: bearer <ACCESS_TOKEN>
```

If successful the server responds with a dataset feed.

Refreshing token

the »access_token« has a time limited validity, specified by the attribute »expires_in« (see servers JSON response on previosu page) given in seconds. Before it expires, or periodically, or when server returns HTTP code 401 (Unauthorized), an additional request to refresh the token has to be made and the refresh token passed to the server:

```
POST https://b2b.nap.si/uc/user/token HTTP/1.1
Host: b2b.nap.si
Content-Type: application/x-www-form-urlencoded

grant_type=refresh_token&refresh_token=<REFRESH_TOKEN>
```

If successful the server responds with a JSON object like to the initial request, containing the new refreshed »access_token«.