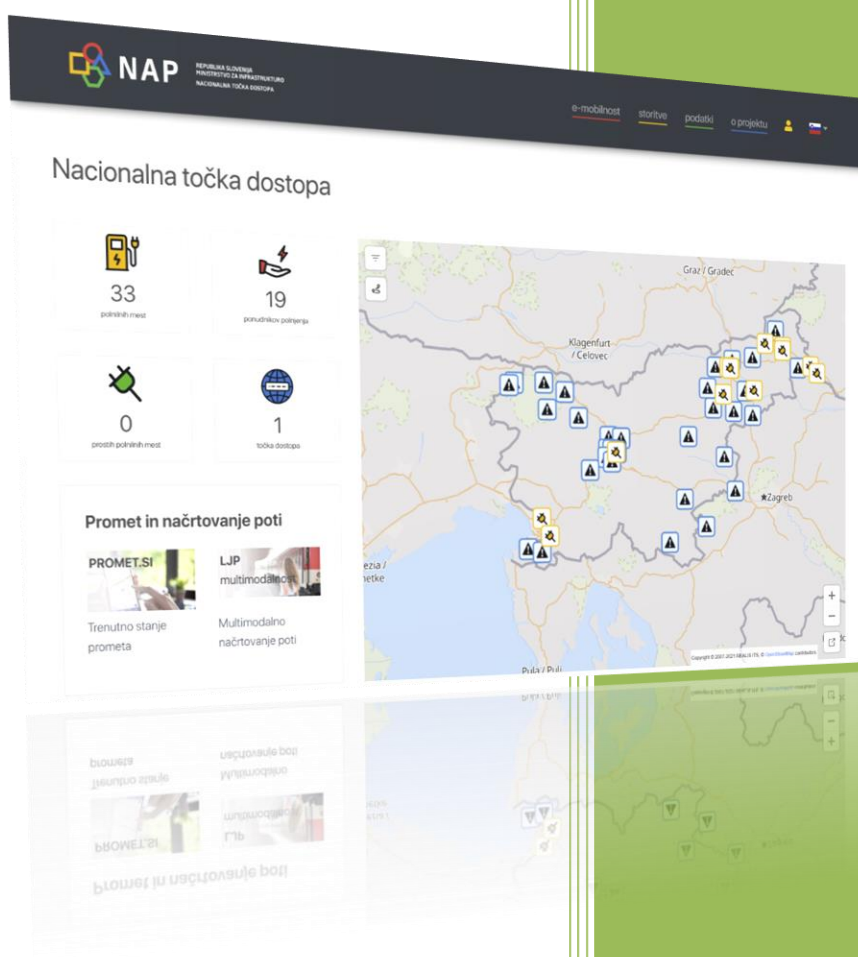




National access point

version: 08.06.2022

B2B data sharing



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>

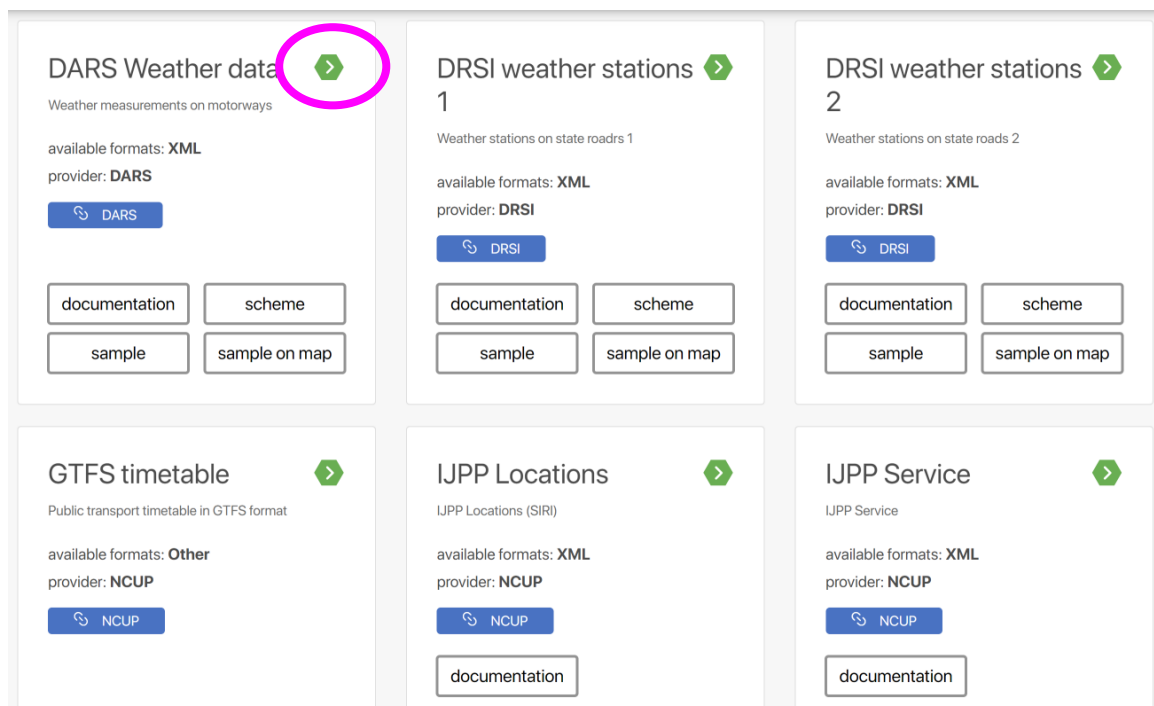
Users have to register in order to obtain data. Registered users can apply for permissions for specific datasets and when approved, use them via the HTTPS protocol using OAuth2 authentication standard.

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

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

Temporal Information

Start date of publication: 9/2/2019 12:00:00 AM +02:00

End date of publication:

Contact Point

Name: **NCUP**

Organisation Name: **NCUP**

Address: **Langusova ulica 4,1535**

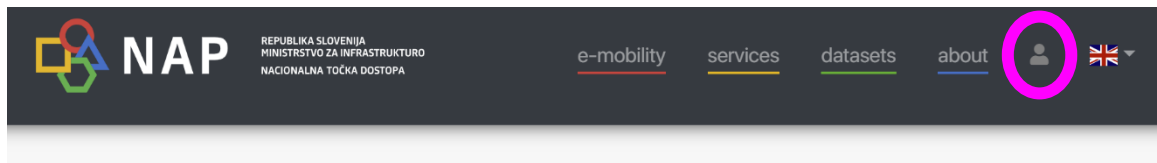
...

Transportation system

Transportation modes covered: **personal - car personal - truck**


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.




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	<input checked="" type="checkbox"/> granted	<input type="checkbox"/> request
IJPP Locations	XML	angleščina	<input checked="" type="checkbox"/> granted	<input type="checkbox"/> request
IJPP Service	XML	angleščina	<input checked="" type="checkbox"/> granted till 06/23/2022	<input type="checkbox"/> request
Road cameras	XML	angleščina	<input checked="" type="checkbox"/> granted till 06/23/2022	<input type="checkbox"/> request
Test traffic status & incidents	XML	angleščina	<input checked="" type="checkbox"/> granted	
Wind	XML	angleščina	<input checked="" type="checkbox"/> granted till 06/23/2022	<input type="checkbox"/> request

Requested content

GTFS timetable	Other	angleščina	<input checked="" type="checkbox"/> requested	<input type="checkbox"/> request
IJPP Locations	XML	angleščina	<input checked="" type="checkbox"/> requested	<input type="checkbox"/> request

Denied contents

Truck parking	XML	angleščina	<input checked="" type="checkbox"/> denied	<input type="checkbox"/> request
Wind	XML	angleščina	<input checked="" type="checkbox"/> denied	<input type="checkbox"/> request

Other contents

DARS Weather data	XML	angleščina		<input type="checkbox"/> request
DRSI weather stations 1	XML	angleščina		<input type="checkbox"/> request
DRSI weather stations 2	XML	angleščina		<input type="checkbox"/> 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 previous 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«.