NETWORK MEETING III - 30 MAY 2024 – DURRËS

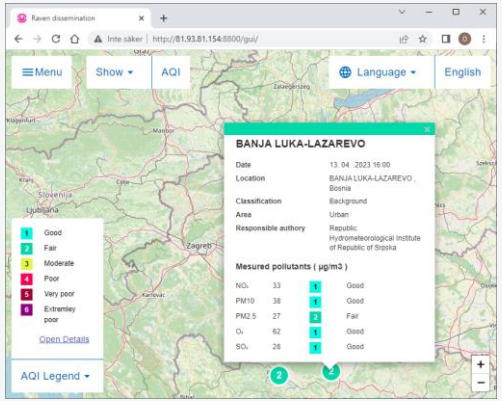
DATA PORTAL MONTENEGRO

SMHI

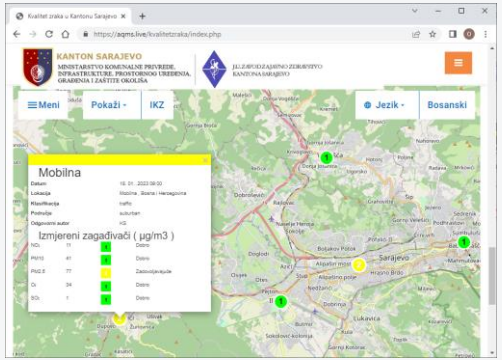
Increased public accessibility to AQ-monitoring

- Access to AQ-info in an **interactive map**
  - station info: real time data in a side bar
  - data portal: aggregate verified data
  - download
- **Basic user to expert user**
- Optimized data loading time
- Flexible screen size (responsiveness)
- Secure since rely on Raven-public-API

▪https://raven-tst.smhi.se/



HMRZ: http://81.93.81.154:8800/gui/



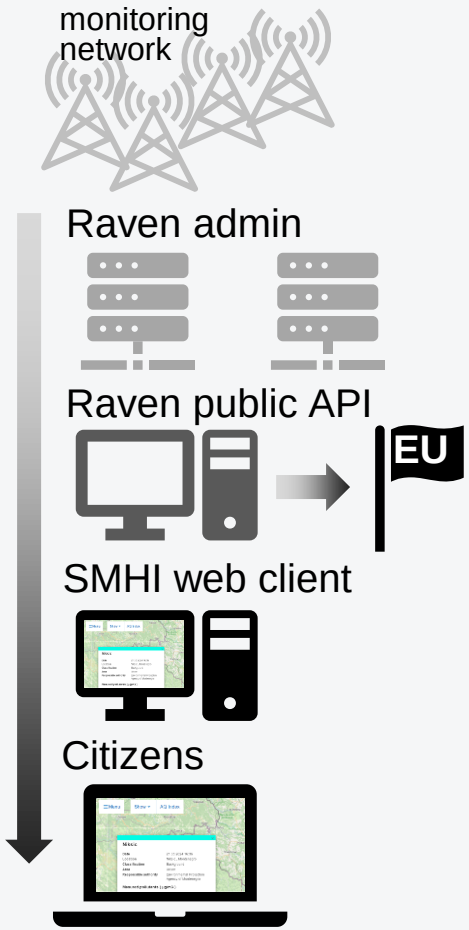
Sarajevo Kanton: https://aqms.live/kvalitetzraka/index.php

Data flow and EU requirements

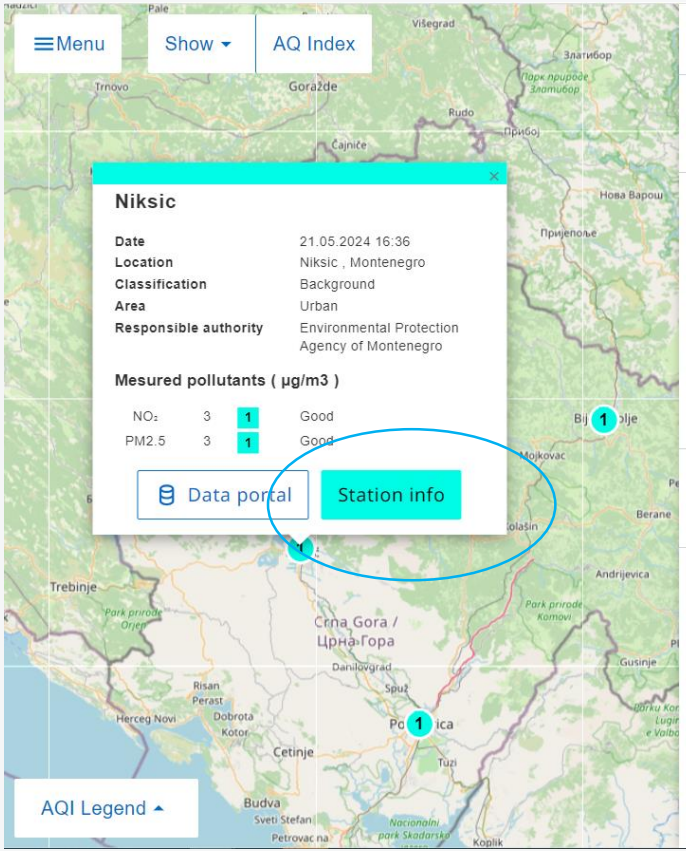
- A public **website**, ready to fetch **AQ-data** from the **Raven3 database***, free to use (open source) to be embed in national websites.
- The outcome will be User Friendly public availability of the Air Quality measurements data (NRT), as well as the AQ-index**
- Includes web content accessibility for disabilities (color blind, etc.)**

*Raven is developed by NILU and 4sfera on behalf of the EEA.

**EU requirements



Real-time AQI and concentration



Niksic

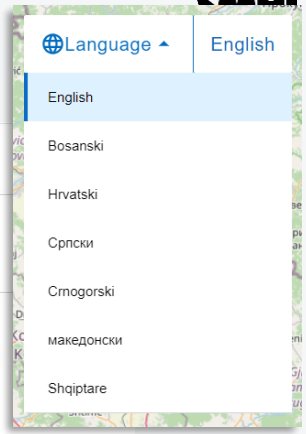
Station information

Date	21.05.2024 16:36
Location	Niksic , Montenegro
Classification	Background
Area	Urban
Responsible authority	Environmental Protection Agency of Montenegro
Operational	
Latitude	42.781262
Longitude	18.9429

Current status

→ 1 Good (PM2.5)
2 Fair
3 Moderate
4 Poor
5 Very poor
6 Extremely poor
Historical

Measured pollutants



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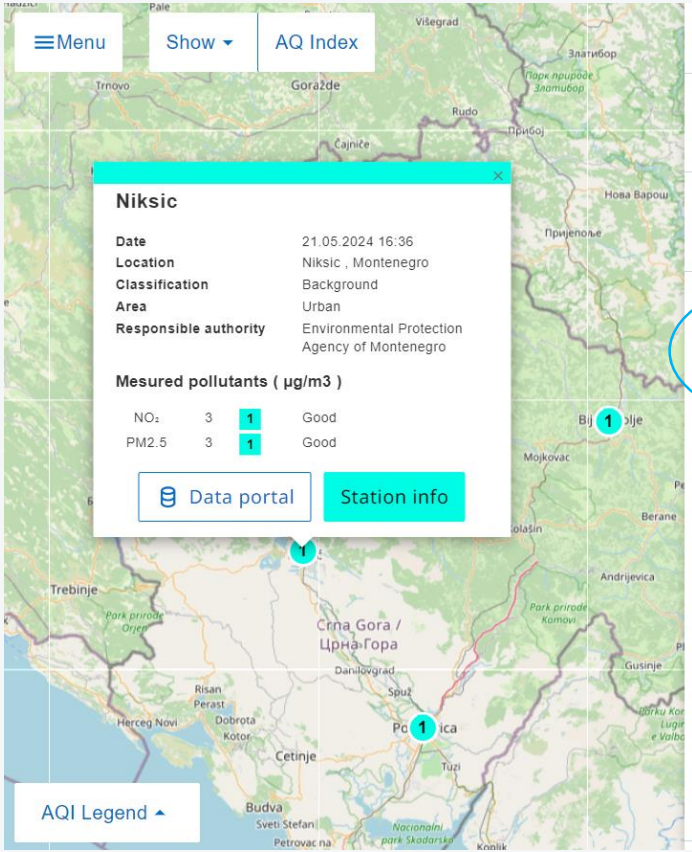
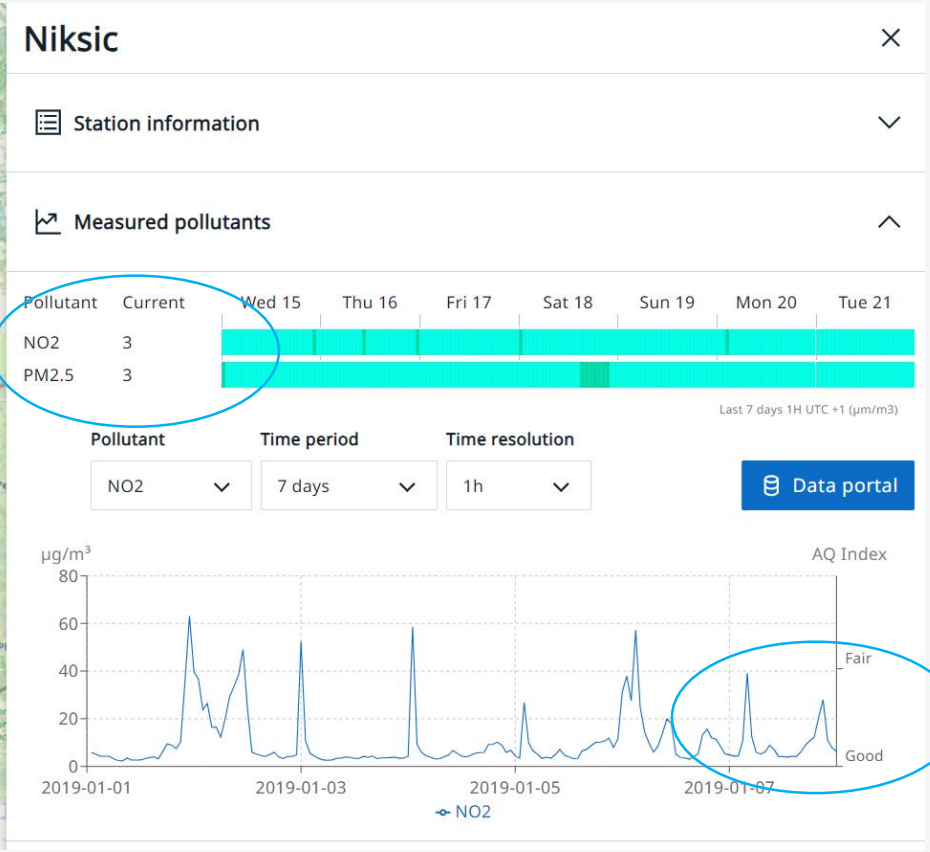
AQI and concentration last week/month





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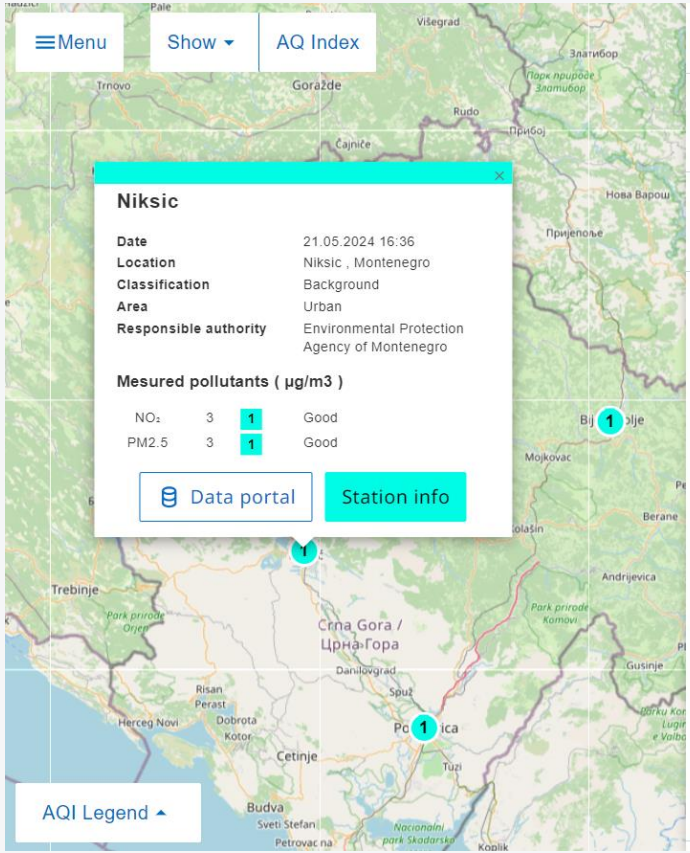
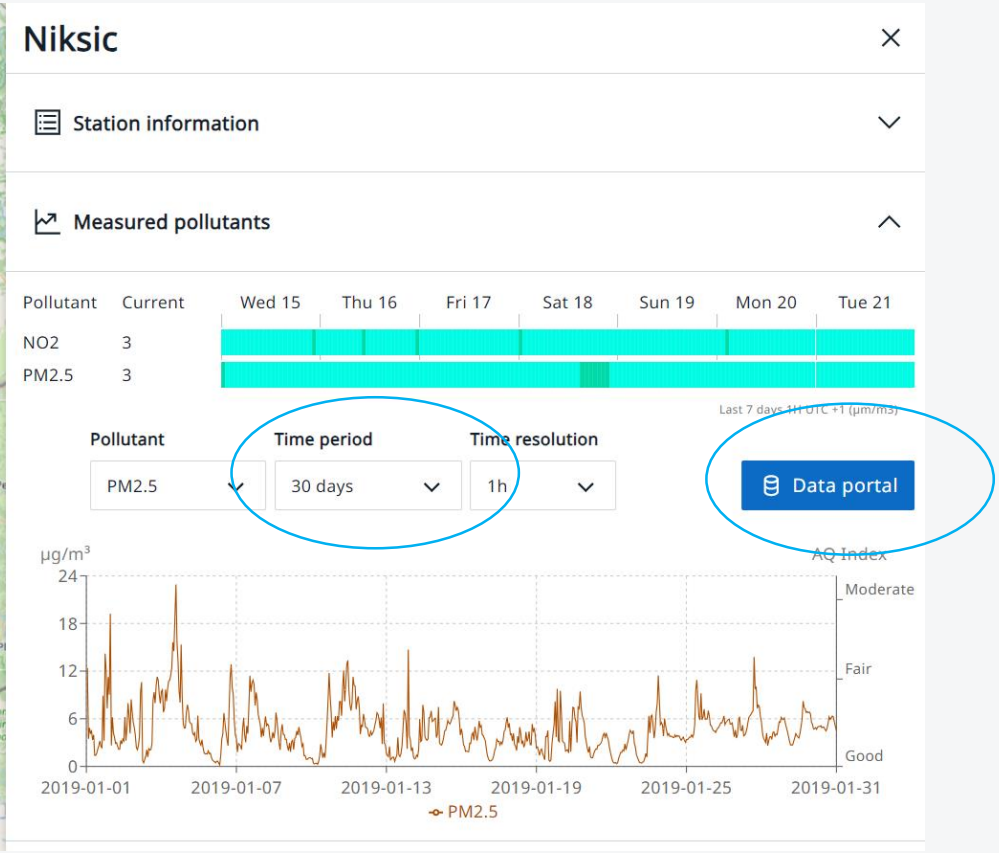
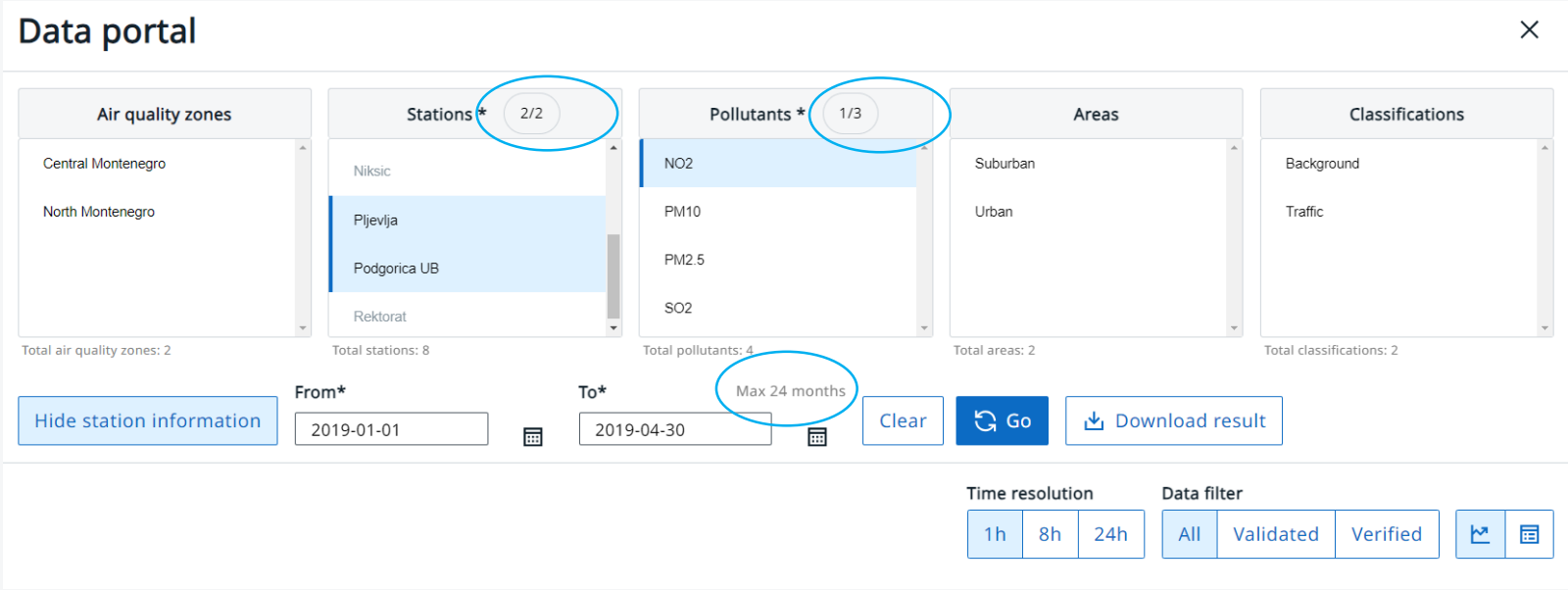
Measurements last week





Interactive graphics

- Max per call : 2 stations, 3 pollutants, 24 months
- Download: both graphs and Excel



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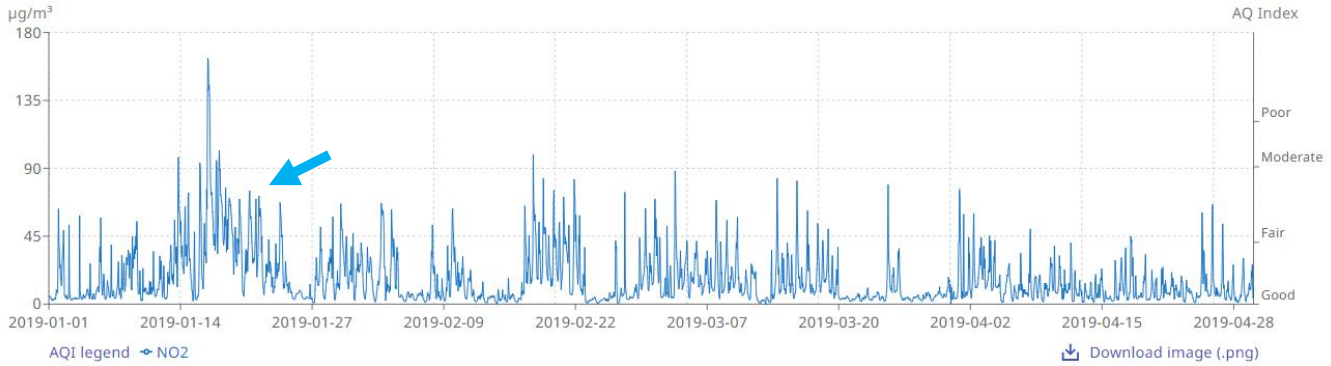
Comparison – two locations

Niksic

Name	Niksic
Date	21.05.2024 16:57
Location	Niksic , Montenegro
Classification	Background
Area	Urban
Responsible authority	Environmental Protection Agency of Montenegro
Operational	
Latitude	42.781262
Longitude	18.9429

Current status (µm/m3)

	µg/m³	AQ Index	Active
NO_2	3	1 Good	2019-2020
PM2.5	3	1 Good	2019-2021

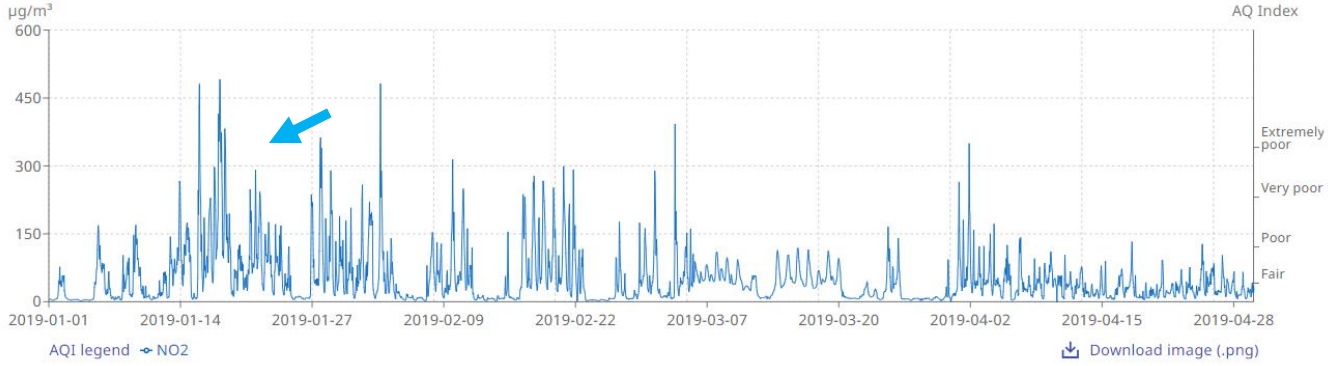


Pljevlja

Name	Pljevlja
Date	21.05.2024 16:57
Location	Pljevlja , Montenegro
Classification	Background
Area	Urban
Responsible authority	Environmental Protection Agency of Montenegro
Operational	
Latitude	43.355
Longitude	19.3581

Current status (µm/m3)

	µg/m³	AQ Index	Active
NO_2	5	1 Good	2019
SO_2	3	1 Good	2019-2020



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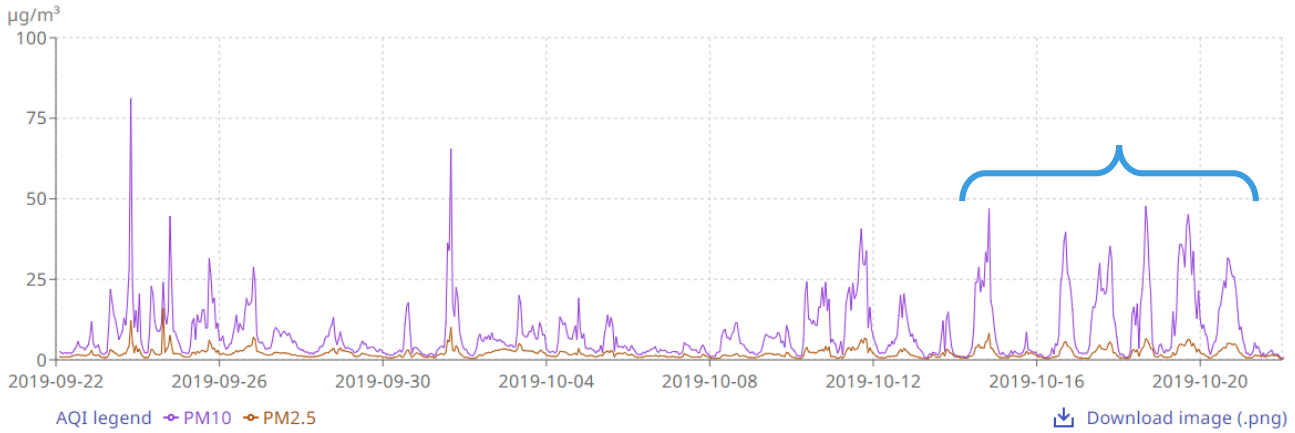
Comparison – two pollutants (PM)

Podgorica UB

Name	Podgorica UB
Date	21.05.2024 16:56
Location	Podgorica UB , Montenegro
Classification	Traffic
Area	Suburban
Responsible authority	Environmental Protection Agency of Montenegro
Operational	
Latitude	42.441
Longitude	19.2566

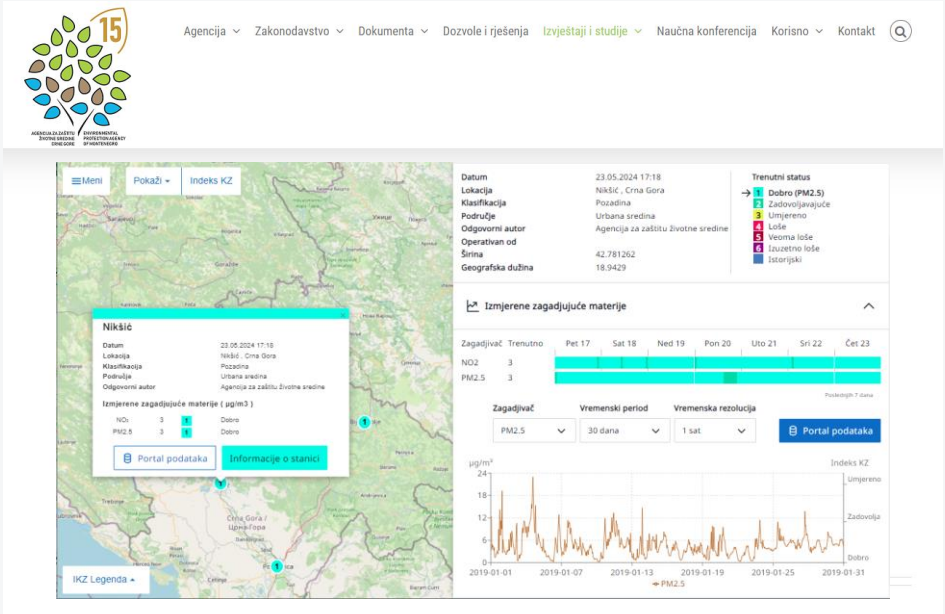
Current status (µm/m3)

	µg/m³	AQ Index	Active
NO_2	17	1 Good	2019-2021
PM10	9	1 Good	2019-2023
PM2.5	2	1 Good	2019-2021



Status in Montenegro

- Raven 3 installed
- Raven 3 online
- Raven 3 with historical data
- Pending :
  - Raven 3 being connected to monitoring network
  - Web-client being tested against Raven 3 Montenegro
  - Web client installed on EPA webserver & embed
  - Data-portal publicly available
  - Communication on Data-portal



THANK YOU FOR LISTENING!