

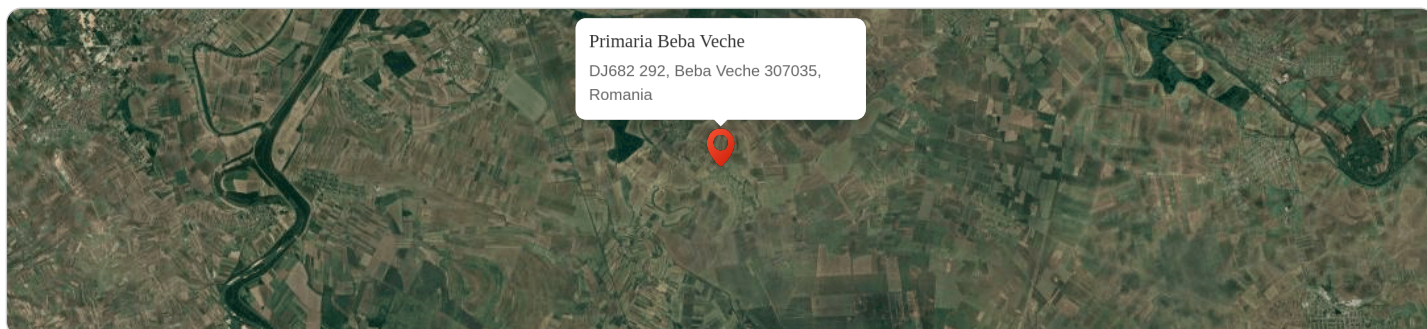
Primaria Beba Veche

MONTHLY AIR-QUALITY REPORT

Timp de la: **01/11/2025, 00:00**
Timp până la: **30/11/2025, 23:59**

Numele dispozitivului: **Primaria Beba Veche**
Locația dispozitivului: **DJ682 292, Beba Veche 307035, Romania**

Parametrii: **EAQI , NO₂ , O₃ , SO₂ , PM_{2.5} , PM₁₀ , Wind Speed , Wind Direction , CO , R. Humidity , PM₁ , PM₁₀₀ , Pressure , Temperature**



Media indicelui de calitate al aerului (ICA): **296**

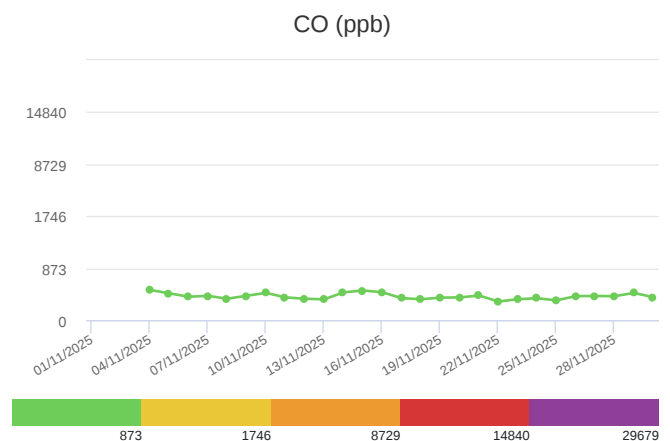
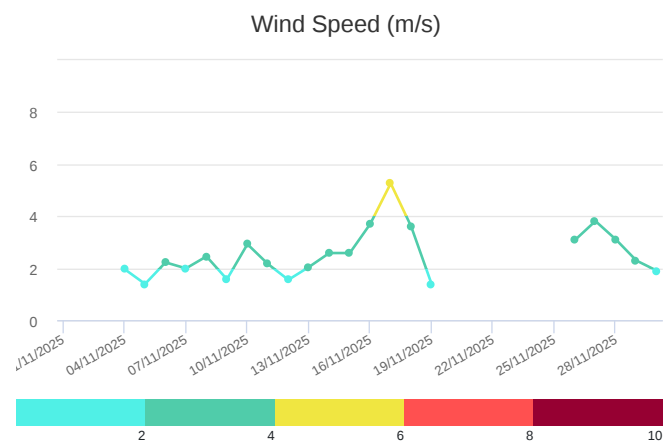
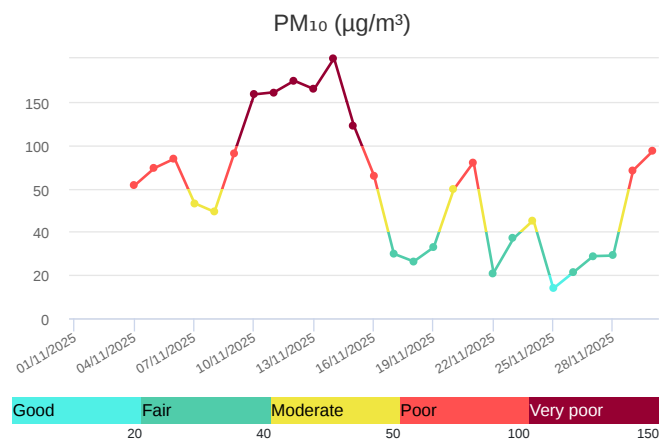
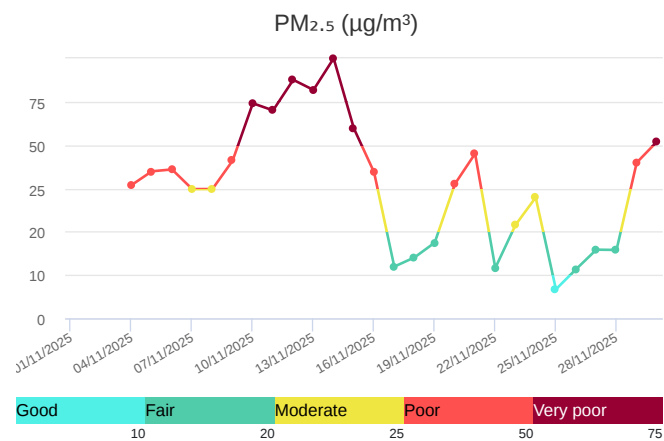
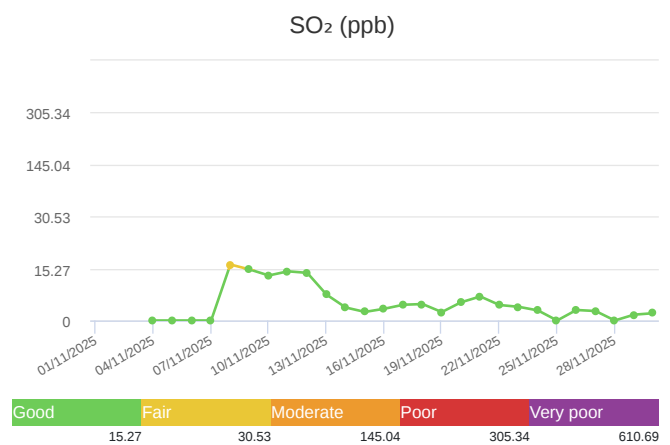
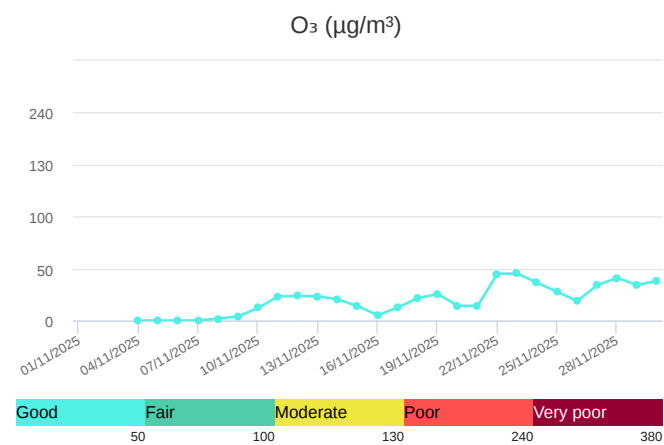
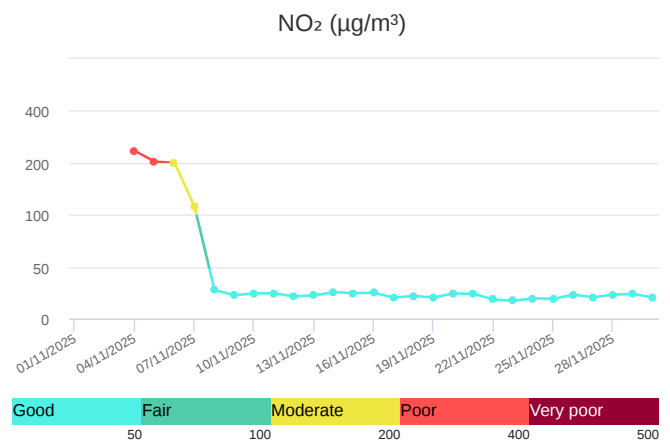
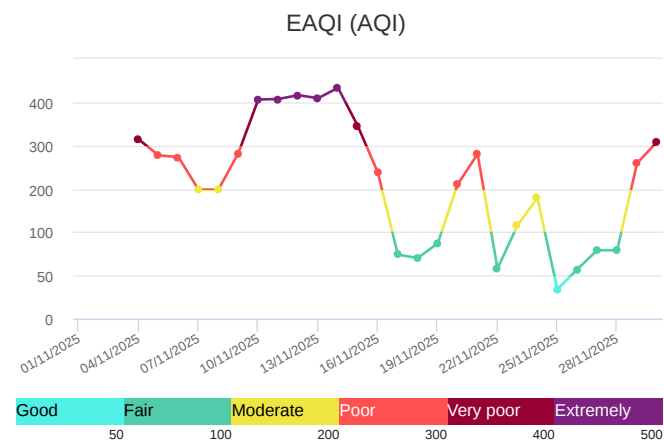
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

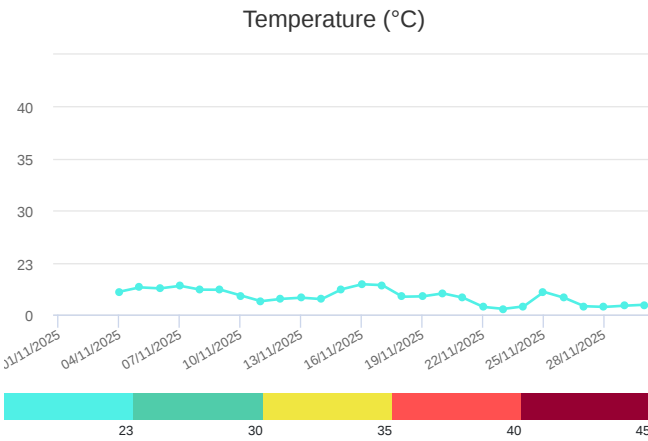
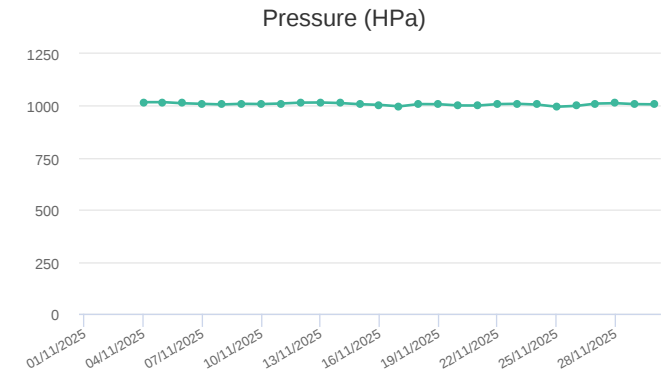
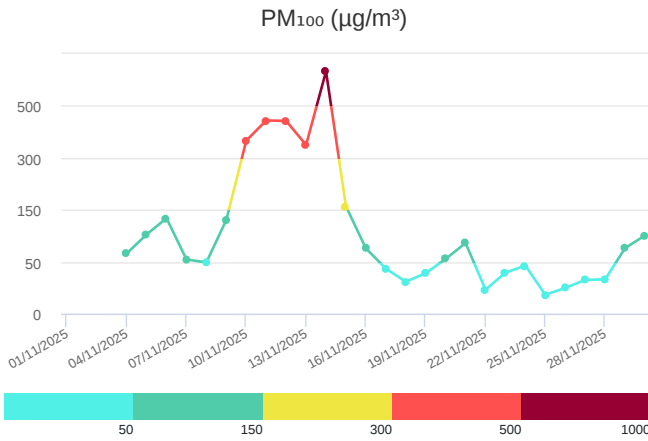
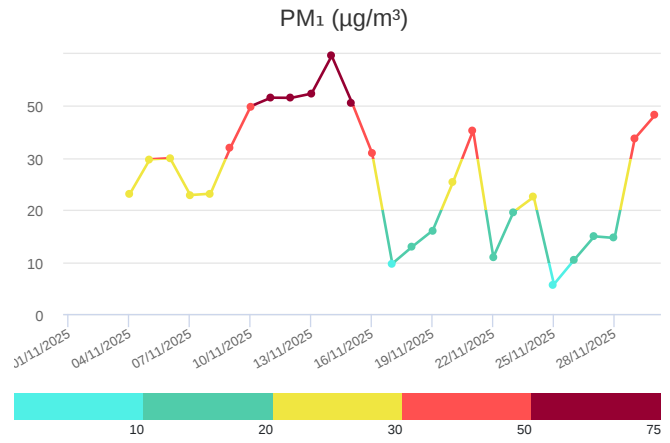
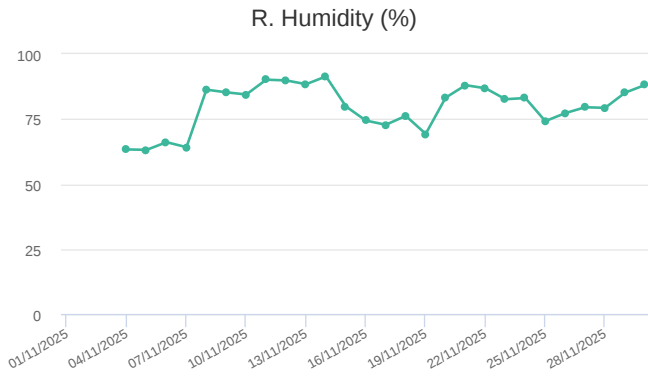
	EAQI AQI	NO ₂ µg/m ³	O ₃ µg/m ³	SO ₂ ppb	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³
Average	296	47.42	6.71	0	41.2	98.11
Maximum	433	245.86	45.1	16.45	157.91	494.03
Date	14/11/2025	04/11/2025	23/11/2025	08/11/2025	14/11/2025	14/11/2025
Minimum	34	17.18	0	0	6.7	13.78
Date	25/11/2025	23/11/2025	04/11/2025	04/11/2025	25/11/2025	25/11/2025

Prezentare generală zilnică: Alți parametri

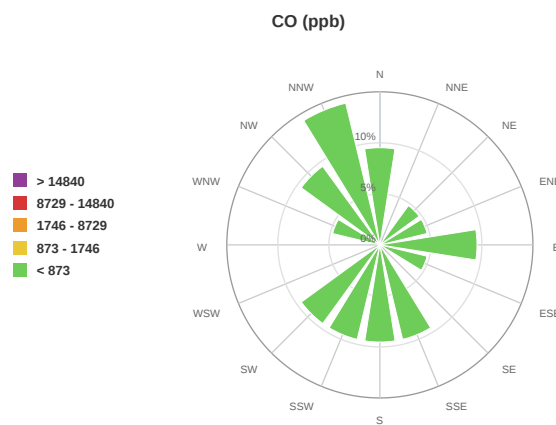
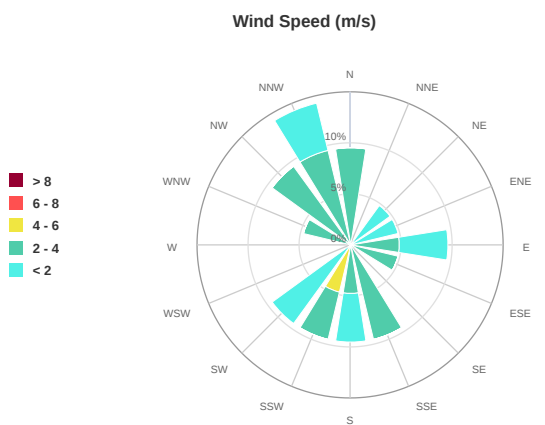
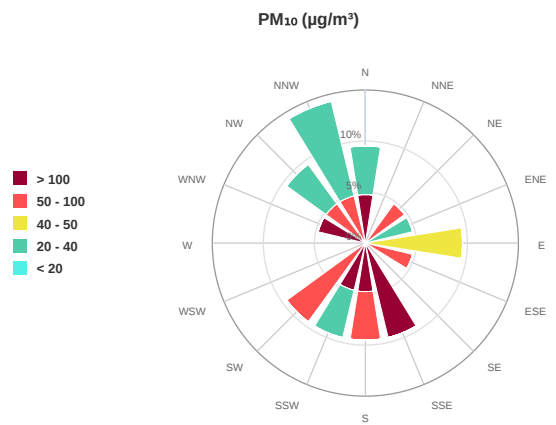
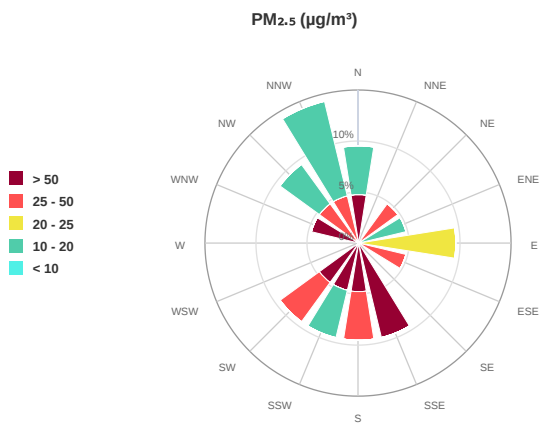
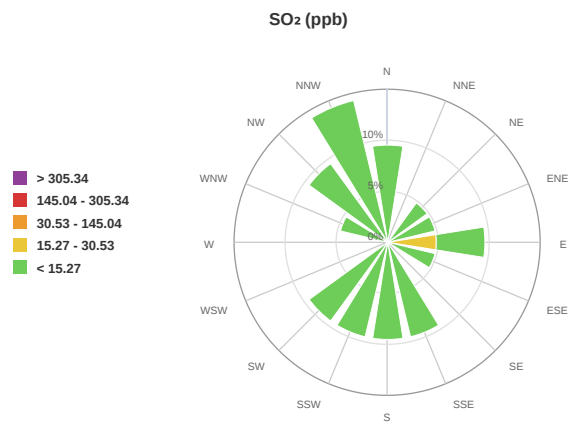
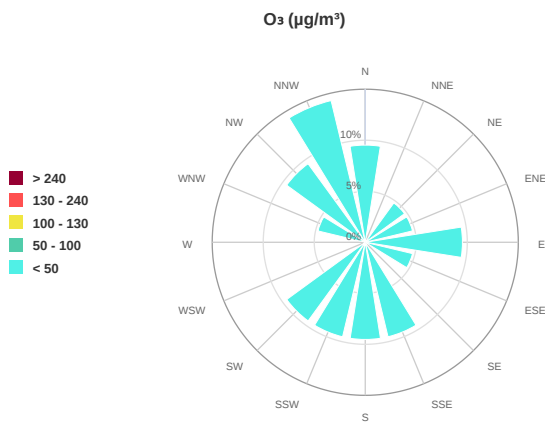
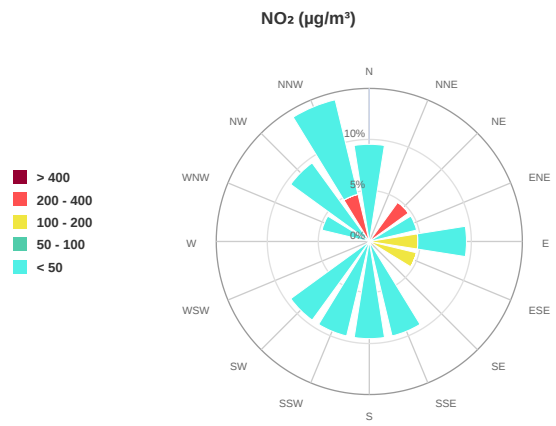
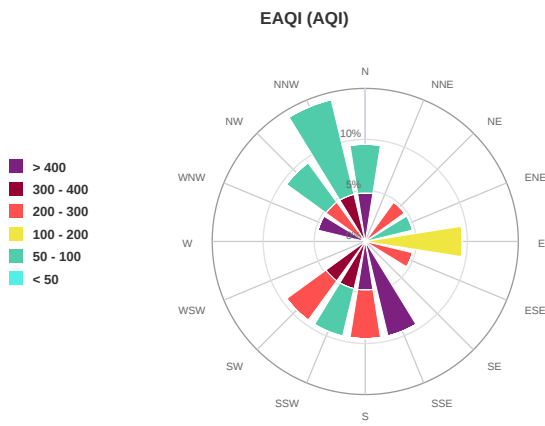
	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ µg/m ³	PM ₁₀₀ µg/m ³	Pressure hPa	Temperature °C
Average	0.11	267.45	99.62	400.02	79.7	30.43	142.76	1008.24	8.02
Maximum	5.26	198.27	100	506.47	91.37	74.11	831.55	1017.57	13.42
Date	17/11/2025	17/11/2025	05/11/2025	04/11/2025	14/11/2025	14/11/2025	14/11/2025	05/11/2025	16/11/2025
Minimum	1.38	63.11	89.67	312.13	63.13	5.71	18.18	995.62	2.5
Date	19/11/2025	19/11/2025	20/11/2025	22/11/2025	05/11/2025	25/11/2025	25/11/2025	25/11/2025	23/11/2025

Weekly Average

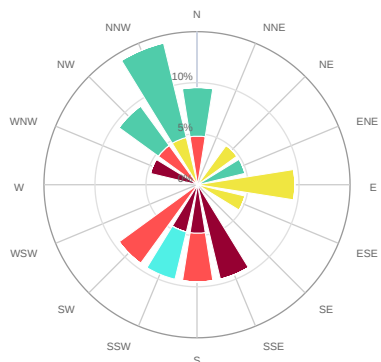




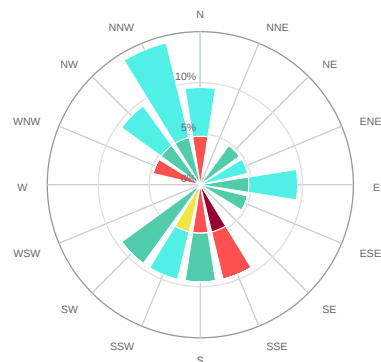
Weekly Average



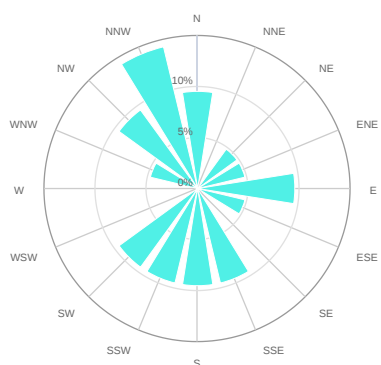
PM₁ (µg/m³)



PM₁₀₀ (µg/m³)



Temperature (°C)



Alerte

No alerts for the selected date and time range

Insights

- 14/11/2025, 23:59 **Dominance of Extremely Poor Air Quality in Early November:** The EAQI was in the 'Extremely poor' zone for a consecutive stretch in early November, peaking at 433, suggesting a severe pollution episode.
- 28/11/2025, 23:59 **Sharp Decline in Air Quality Mid to Late November:** Following the extreme pollution, air quality improved, reaching 'Fair' levels before worsening again towards the month's end.
- 30/11/2025, 23:59 **Ozone Levels Consistently Within Good to Moderate Ranges:** Ozone levels were primarily within the 'Good' to 'Moderate' ranges, with most days registering values below 67 $\mu\text{g}/\text{m}^3$.
- 30/11/2025, 23:59 **SO₂ Levels Mostly in the 'Good' Zone:** Sulfur dioxide (SO₂) levels remained relatively low throughout the month, mostly staying within the 'Good' zone (below 38.17 ppb).
- 30/11/2025, 23:59 **PM_{2.5} Exceedances Drive Poor EAQI Ratings:** Elevated PM_{2.5} concentrations, frequently exceeding 25 $\mu\text{g}/\text{m}^3$, appear to be a major factor contributing to the 'Poor' and 'Extremely Poor' EAQI ratings.
- 30/11/2025, 23:59 **PM₁₀ Levels Frequently in Poor to Very Poor Zones:** PM₁₀ concentrations reached 'Poor' and 'Very Poor' levels frequently, indicating significant coarse particulate matter pollution.
- 30/11/2025, 23:59 **High Relative Humidity Correlates with Poor Air Quality:** Days with higher relative humidity (above 80%) often coincide with periods of 'Poor' or 'Extremely Poor' air quality, potentially trapping pollutants.
- 30/11/2025, 23:59 **NO₂ Levels Peaked in 'Extremely Poor' Range Early November:** Nitrogen dioxide levels reached 'Extremely poor' level (462.66 $\mu\text{g}/\text{m}^3$) at the start of November. Later NO₂ levels dropped to 'Good' to 'Moderate' zones
- 30/11/2025, 23:59 **Wind Speed Variation and Pollution:** Lower wind speeds (around 1-2 m/s) appear to be associated with higher pollution levels, potentially due to reduced pollutant dispersion.
- 30/11/2025, 23:59 **Temperature's Inverse Relationship with Air Quality:** Lower temperatures (around 3-7°C) seem to coincide with the worst air quality days, suggesting a possible link with emissions or atmospheric conditions.
- 30/11/2025, 23:59 **CO levels relatively high:** Carbon Monoxide levels remained between 312 and 507 ppb during the month. This can have negative impact on health.
- 06/11/2025, 23:59 **O₃ almost Zero in 'Extremely poor' days:** Ozone level was found to be almost zero during extremely poor AQI days.
- 14/11/2025, 23:59 **Highest PM₁₀ Value:** The highest recorded PM₁₀ value during the month was 494.03 $\mu\text{g}/\text{m}^3$
- 30/11/2025, 23:59 **Lowest recorded SO₂ Value:** The lowest recorded SO₂ value during the month was 0 ppb.
- 06/11/2025, 23:59 **Lowest recorded O₃ Value:** The lowest recorded O₃ value during the month was 0 $\mu\text{g}/\text{m}^3$.
- 14/11/2025, 23:59 **Highest PM_{2.5} Value:** The highest recorded PM_{2.5} value during the month was 157.91 $\mu\text{g}/\text{m}^3$
- 05/11/2025, 23:59 **Highest recorded Pressure:** Highest pressure recorded in November was 1017.57 hPa.
- 25/11/2025, 23:59 **Lowest recorded Pressure:** Lowest pressure recorded in November was 995.62 hPa.
- 17/11/2025, 23:59 **Highest recorded Wind Speed:** Highest Wind Speed was recorded 5.26 m/s
- 14/11/2025, 23:59 **Highest recorded Humidity:** Highest Humidity was recorded 91.37 %
- 05/11/2025, 23:59 **Lowest recorded Humidity:** Lowest Humidity was recorded 63.13 %
- 30/11/2025, 23:59 **AQI & EAQI:** EAQI & AQI both are similar in value. So AQI can be termed as EAQI
- 14/11/2025, 23:59 **Wind Direction Influence on PM₁₀:** Wind direction hovering around 150-200 degree and High PM₁₀ observed on 2025-11-14T21:59:59.000Z
- 17/11/2025, 23:59 **Fair AQI on 2025-11-17T21:59:59.000Z:** Highest recorded wind speed with PM_{2.5} 11.93 $\mu\text{g}/\text{m}^3$ indicates a fair AQI
- 30/11/2025, 23:59 **Very Poor AQI on 2025-11-30T21:59:59.000Z:** Lowest recorded wind speed with PM_{2.5} 51.92 $\mu\text{g}/\text{m}^3$ indicates a very poor AQI
- 28/11/2025, 23:59 **NO₂ levels during Fair AQI:** NO₂ levels ranges between 32 $\mu\text{g}/\text{m}^3$ to 44 $\mu\text{g}/\text{m}^3$ during Fair AQI
- 30/11/2025, 23:59 **Correlation of PM₁ and PM_{2.5}:** PM₁ levels are consistently lower than PM_{2.5}, suggesting a substantial portion of fine particulate matter is larger than 1 micrometer
- 25/11/2025, 23:59 **Pressure Drop Impacts:** Significant drop in pressure observed from 2025-11-24T21:59:59.000Z to 2025-11-25T21:59:59.000Z impacted AQI to become Fair.
- 17/11/2025, 23:59 **AQI Improvement:** AQI improved during 2025-11-16T21:59:59.000Z to 2025-11-17T21:59:59.000Z due to increased windspeed.
- 30/11/2025, 23:59 **Consistent Battery Status:** Battery percentage for the instrument remains consistent through out the month

Parametrii indicelui de calitate al aerului (ICA)

Weekly Average

To Date	EAQI AQI	NO ₂ µg/m ³	O ₃ µg/m ³	SO ₂ ppb	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³
01/11/2025, 23:59						
02/11/2025, 23:59						
03/11/2025, 23:59						
04/11/2025, 23:59	314	245.86	0	0	26.92	53.44
05/11/2025, 23:59	277	204.2	0	0	34.83	73.51
06/11/2025, 23:59	273	199.83	0	0	35.9	84.31
07/11/2025, 23:59	198	116.14	0	0	24.91	46.56
08/11/2025, 23:59	198	27.71	1.92	16.45	24.92	44.57
09/11/2025, 23:59	282	22.58	3.94	15	41	90.99
10/11/2025, 23:59	406	24.42	12.1	13.22	74.08	208.05
11/11/2025, 23:59	407	24.43	23.26	14.45	69.98	224.88
12/11/2025, 23:59	416	21.4	23.56	13.98	116.83	316.6
13/11/2025, 23:59	409	22.55	23.26	7.62	97.5	249.42
14/11/2025, 23:59	433	25.43	20.24	3.82	157.91	494.03
15/11/2025, 23:59	344	24.54	13.73	2.52	59.57	121.9
16/11/2025, 23:59	237	24.94	5.1	3.43	34.28	64.93
17/11/2025, 23:59	74	20.3	12.57	4.63	11.93	29.79
18/11/2025, 23:59	70	21.83	21.54	4.83	14.05	26.22
19/11/2025, 23:59	87	20.33	25.5	2.47	17.46	32.8
20/11/2025, 23:59	210	24.4	14.23	5.35	27.5	49.72
21/11/2025, 23:59	280	23.87	13.97	7.06	45.03	80.18
22/11/2025, 23:59	58	18.48	45.06	4.55	11.61	21
23/11/2025, 23:59	115	17.18	45.1	4.02	20.77	36.87
24/11/2025, 23:59	179	19.59	36.2	2.96	23.95	42.65
25/11/2025, 23:59	34	19.04	27.5	0	6.7	13.78
26/11/2025, 23:59	57	23.2	18.76	3.09	11.34	21.17
27/11/2025, 23:59	79	20.55	33.9	2.78	15.84	28.69
28/11/2025, 23:59	79	23.18	41.12	0	15.78	28.97
29/11/2025, 23:59	259	23.77	34.08	1.71	39.86	70.71
30/11/2025, 23:59	308	20.47	38.19	2.14	51.92	93.29

Alti parametri

Weekly Average

To Date	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ µg/m³	PM ₁₀₀ µg/m³	Pressure hPa	Temperature °C
01/11/2025, 23:59									
02/11/2025, 23:59									
03/11/2025, 23:59									
04/11/2025, 23:59	1.96	328.23	99.98	506.47	63.29	23.04	65.9	1017.36	10.13
05/11/2025, 23:59	1.39	54.08	100	449.57	63.13	29.75	102.55	1017.57	12.03
06/11/2025, 23:59	2.22	121.56	100	392.38	66.08	29.96	133.8	1012.14	11.56
07/11/2025, 23:59	1.99	98.92	100	406.74	64.16	22.87	54.44	1009.36	12.69
08/11/2025, 23:59	2.45	82.44	100	358.96	86.29	23.13	49.46	1006.55	11.01
09/11/2025, 23:59	1.57	216	100	409.66	85.26	34.18	130.57	1009.65	10.97
10/11/2025, 23:59	2.92	10.63	100	456.47	84.43	49.94	366.24	1008.52	8.44
11/11/2025, 23:59	2.16	289.47	100	381.39	90.12	53.99	443.69	1011.09	5.92
12/11/2025, 23:59	1.55	169.31	100	359.01	89.84	53.93	441.87	1015.31	6.93
13/11/2025, 23:59	2.04	150.63	100	348.7	88.39	55.96	349.52	1015.93	7.45
14/11/2025, 23:59	2.58	149.4	100	465.67	91.37	74.11	831.55	1013.21	6.82
15/11/2025, 23:59	2.58	195.32	100	497.9	79.82	51.7	159.77	1007.6	11.2
16/11/2025, 23:59	3.7	182.05	100	467.63	74.39	31.9	75.73	1004.46	13.42
17/11/2025, 23:59	5.26	198.27	100	368.98	72.78	9.68	43.44	997.4	13.01
18/11/2025, 23:59	3.6	340.03	100	349.76	76.2	12.98	30.81	1008.32	7.9
19/11/2025, 23:59	1.38	63.11	100	377.47	69.28	16.06	39.02	1007.63	8.05
20/11/2025, 23:59			89.67	380.33	83.21	25.32	55.45	1001.68	9.35
21/11/2025, 23:59			100	412.57	88.01	40.56	86.12	1001.35	7.46
22/11/2025, 23:59			100	312.13	86.82	10.92	23.17	1008.15	3.37
23/11/2025, 23:59			100	350.25	82.61	19.62	39.56	1009.66	2.5
24/11/2025, 23:59			100	367.49	83.06	22.51	46.32	1005.89	3.62
25/11/2025, 23:59			100	330.8	74.17	5.71	18.18	995.62	10.03
26/11/2025, 23:59	3.08	307.36	100	402.3	77.26	10.4	24.86	999.64	7.44
27/11/2025, 23:59	3.81	347.36	100	405.33	79.52	14.93	32.52	1010.79	3.68
28/11/2025, 23:59	3.1	357.72	100	401.52	79.29	14.61	33.11	1012.58	3.39
29/11/2025, 23:59	2.29	315.02	100	455.48	85.13	37.51	76.24	1008.04	3.9
30/11/2025, 23:59	1.9	223.9	100	385.6	88.08	46.46	100.64	1007.01	4.34

Oizom will not be responsible for Environmental Data accuracy once Validated