

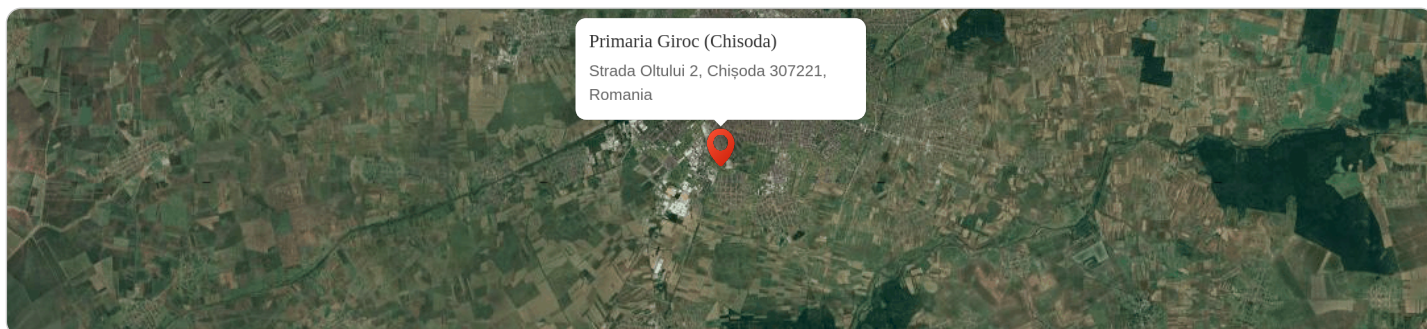
Primaria Giroc (Chisoda)

MONTHLY AIR-QUALITY REPORT

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

Numele dispozitivului: **Primaria Giroc (Chisoda)**
Locația dispozitivului: **Strada Oltului 2, Chișoda 307221, 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): **306**

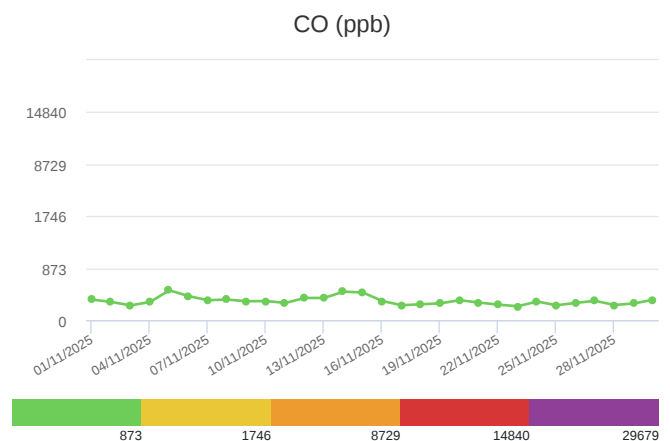
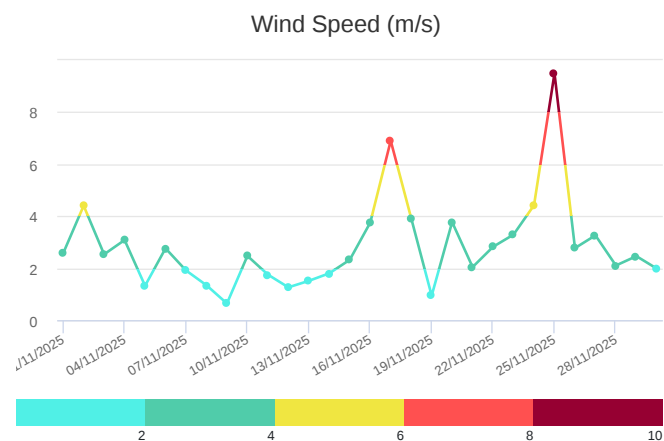
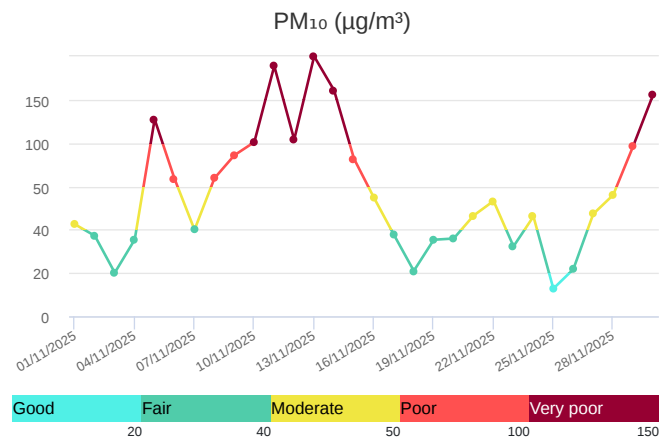
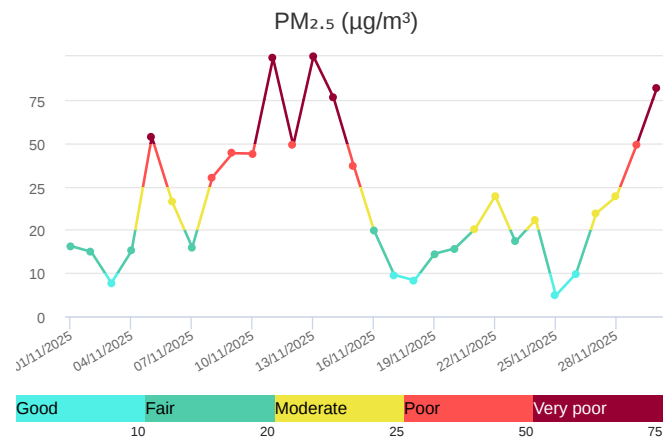
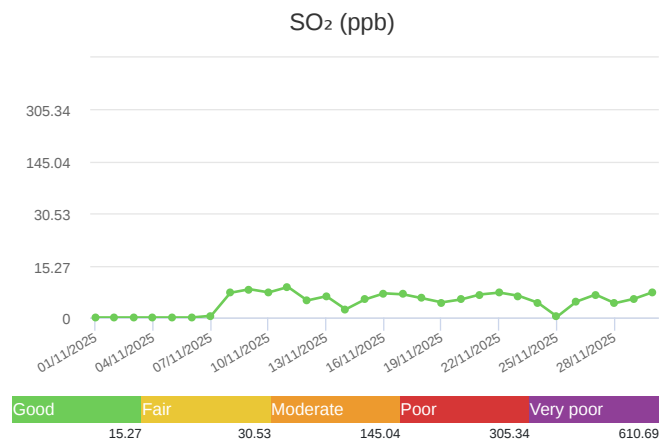
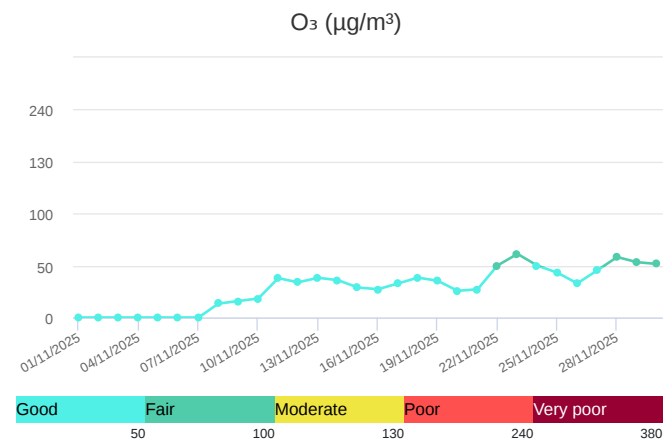
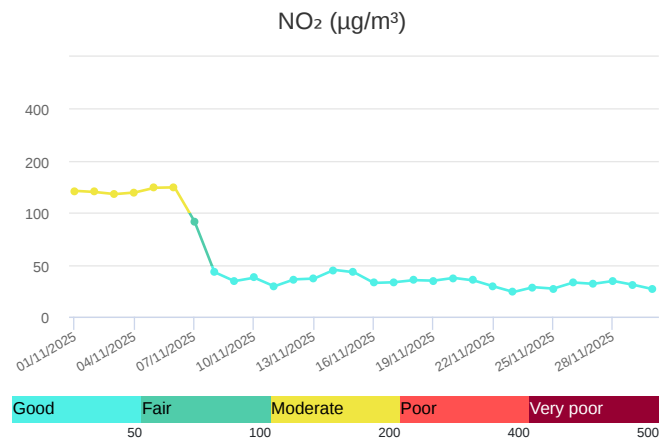
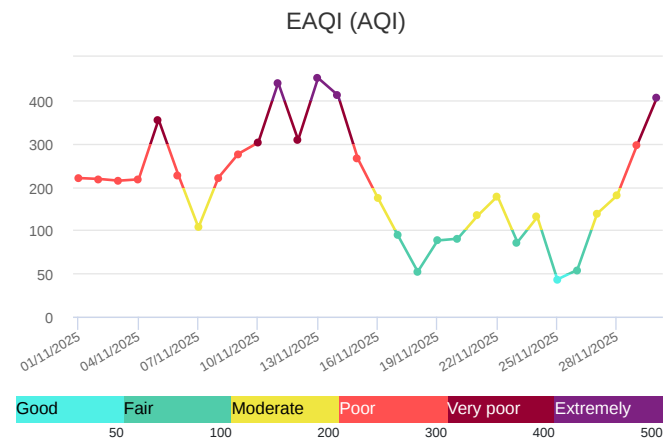
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

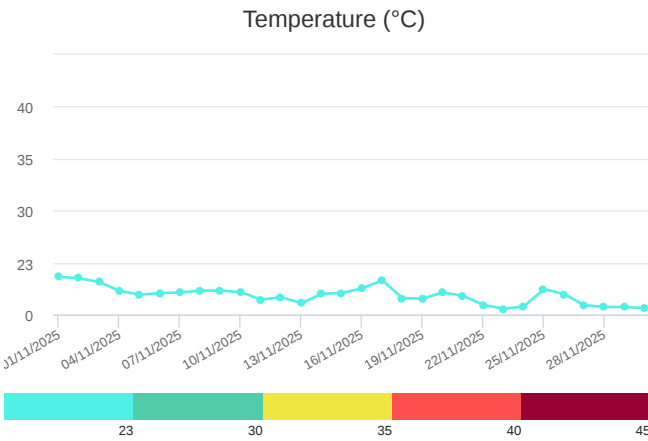
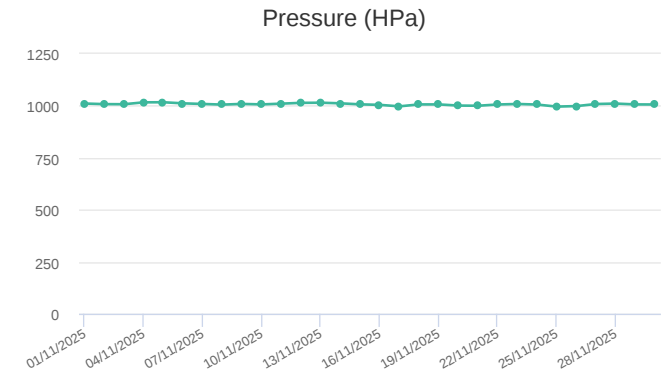
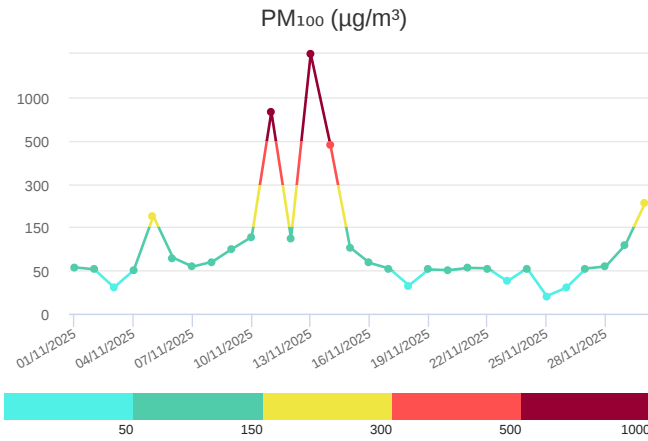
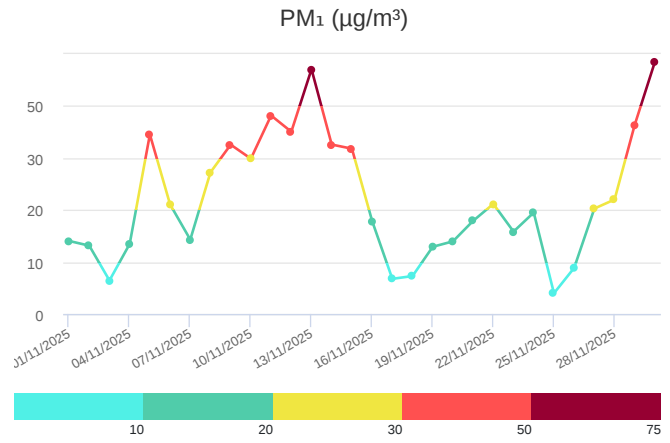
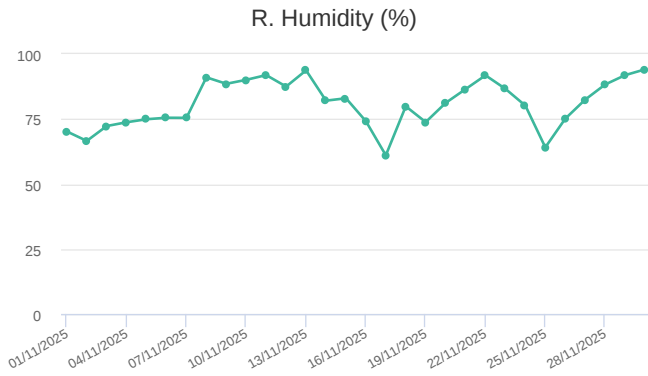
	EAQI AQI	NO ₂ μg/m ³	O ₃ μg/m ³	SO ₂ ppb	PM _{2.5} μg/m ³	PM ₁₀ μg/m ³
Average	306	57.38	13.46	4.03	39.48	102.91
Maximum	451	148.84	61.13	8.96	196.14	687.23
Date	13/11/2025	06/11/2025	23/11/2025	11/11/2025	13/11/2025	13/11/2025
Minimum	43	23.75	0	0	4.83	12.79
Date	25/11/2025	23/11/2025	01/11/2025	01/11/2025	25/11/2025	25/11/2025

Prezentare generală zilnică: Alți parametri

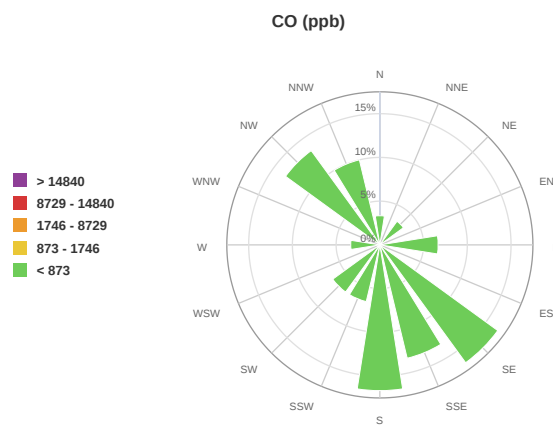
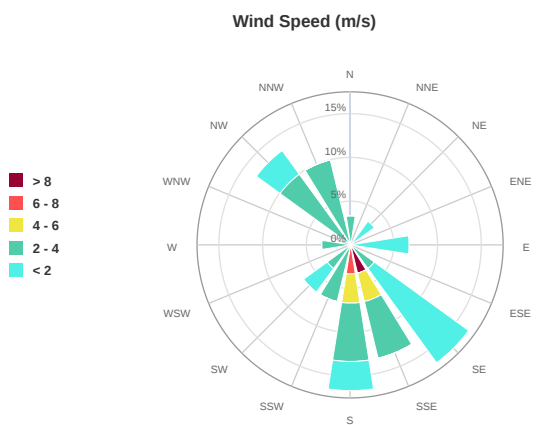
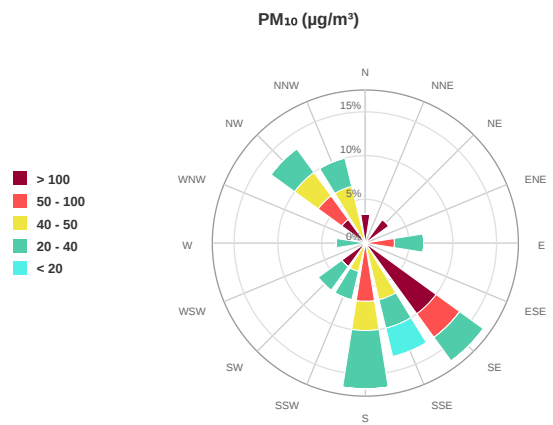
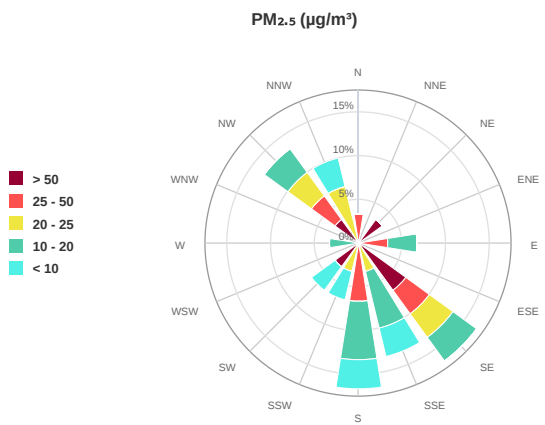
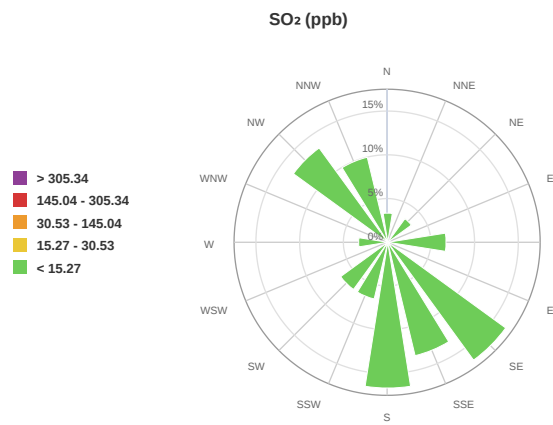
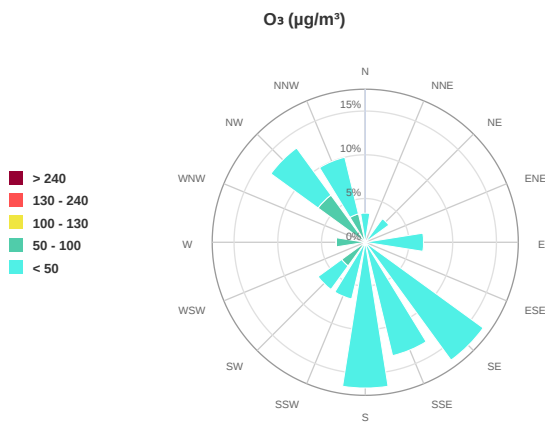
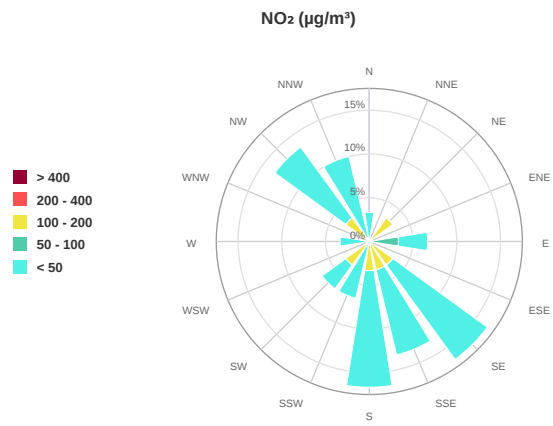
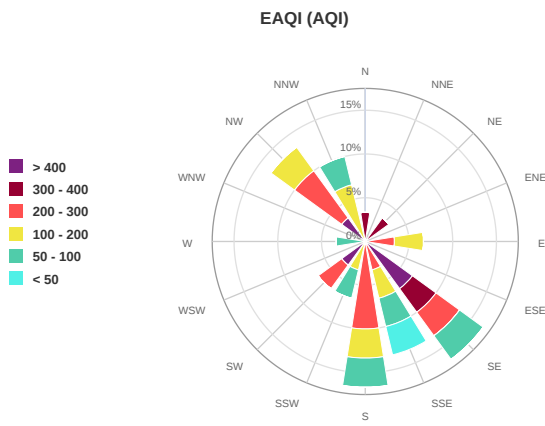
	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ µg/m ³	PM ₁₀₀ µg/m ³	Pressure hPa	Temperature °C
Average	1.04	183.61	100	322.47	80.91	24.64	152.86	1007.5	8.61
Maximum	9.49	161.83	100	500.27	94.09	71.35	1268.09	1017	16.67
Date	25/11/2025	25/11/2025	01/11/2025	05/11/2025	30/11/2025	30/11/2025	13/11/2025	05/11/2025	01/11/2025
Minimum	0.64	181.93	100	232.27	61.03	3.98	20.36	996.12	2.59
Date	09/11/2025	09/11/2025	01/11/2025	23/11/2025	17/11/2025	25/11/2025	25/11/2025	25/11/2025	23/11/2025

Weekly Average

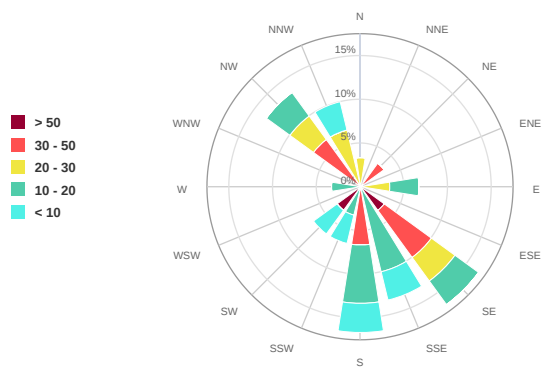




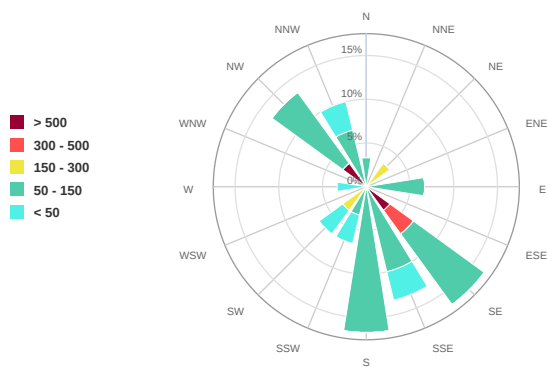
Weekly Average



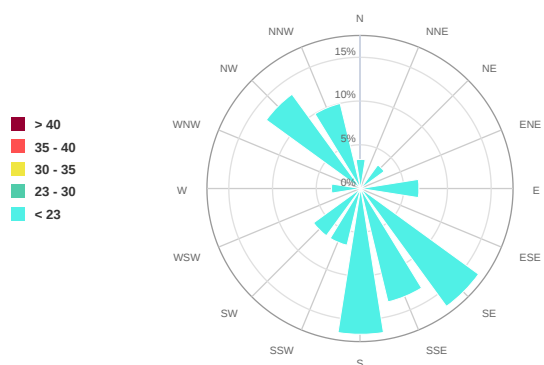
PM₁ (µg/m³)



PM₁₀₀ (µg/m³)



Temperature (°C)



Alerte

No alerts for the selected date and time range

Insights

- 14/11/2025, 23:59 **EAQI reached extremely poor levels multiple times in November:** The EAQI reached 'Extremely Poor' levels on multiple days, exceeding 400, indicating severely polluted air. Focus on PM2.5 and PM10 contribution to EAQI is needed.
- 06/11/2025, 23:59 **High NO₂ levels observed during the beginning of November:** NO₂ levels were consistently in the 'Very Poor' range initially, with concentrations above 260 µg/m³, posing significant health risks.
- 22/11/2025, 23:59 **Ozone levels peaked in the middle of November:** O₃ levels peaked around mid-November, reaching the 'Poor' zone at 98.26 µg/m³, indicating photochemical smog formation during that period.
- 30/11/2025, 23:59 **SO₂ concentrations consistently remained low:** SO₂ concentrations remained consistently low, generally within the 'Good' zone (below 8 ppb), suggesting minimal contribution from sulfur dioxide sources.
- 13/11/2025, 23:59 **PM_{2.5} levels fluctuate, reaching 'Extremely Poor' levels:** PM_{2.5} levels varied, with instances exceeding 190 µg/m³ and reaching the 'Extremely Poor' range, posing respiratory health hazards.
- 13/11/2025, 23:59 **PM₁₀ levels reach dangerous 'Extremely Poor' zone:** PM₁₀ levels reached alarming concentrations, with peaks exceeding 680 µg/m³, classified as 'Extremely Poor' and detrimental to public health.
- 30/11/2025, 23:59 **Highest EAQI observed mid-November:** The highest EAQI values were observed in the middle of November, with values exceeding 440, indicating a severe air pollution episode.
- 30/11/2025, 23:59 **Wind speeds varied, but pollution persisted:** Wind speeds varied from 0.64 m/s to 9.49 m/s, but consistently poor air quality suggests local pollution sources are dominant.
- 30/11/2025, 23:59 **Temperature and Air Quality: Possible Correlation:** Lower temperatures may correlate with higher pollution levels, potentially due to temperature inversions trapping pollutants near the ground.
- 30/11/2025, 23:59 **Humidity's possible relation to Air Quality Index:** High humidity levels coincided with poorer air quality days, potentially influencing the dispersion and chemical reactions of pollutants.
- 30/11/2025, 23:59 **CO levels fluctuated, influence on EAQI is notable:** CO levels varied between 232.27 ppb to 500.27 ppb indicating pollution events, which could be influencing the overall EAQI values.
- 20/11/2025, 23:59 **Instances of 'Fair' Air Quality:** There were instances of 'Fair' air quality with EAQI below 100, suggesting some periods of relatively cleaner air.
- 30/11/2025, 23:59 **PM₁ pollution is likely contributing more to EAQI:** While PM2.5 and PM10 are high, elevated PM1 concentrations suggest a significant contribution from combustion sources.
- 30/11/2025, 23:59 **Air Quality degradation towards the end of November:** Air quality worsened again towards the end of November, reaching 'Extremely Poor' levels, indicating a recurring pollution pattern.
- 30/11/2025, 23:59 **Wind direction variation and its effects:** The wind direction changes, air quality is still Poor to Very Poor, local emission sources is suspected to influence Air Quality
- 30/11/2025, 23:59 **Pressure Fluctuations and Air Quality Index:** Pressure variations exist with no direct correlation visible. However, low pressure days tend to have higher pollution due to less dispersion.
- 30/11/2025, 23:59 **Nitrogen Dioxide levels impact on the Air Quality:** Nitrogen Dioxide levels have improved over the month, the lower levels of NO₂ still impact the EAQI and require continuous tracking.
- 30/11/2025, 23:59 **Correlation between CO and PM levels:** High CO levels often coincide with elevated PM2.5 and PM10 concentrations, suggesting common combustion sources contributing to both.
- 30/11/2025, 23:59 **Impact of PM₁₀₀ on overall air quality:** PM₁₀₀ presence influences the total air quality. Even on 'Fair' days, PM₁₀₀ levels are higher, indicating coarse particle pollution.
- 30/11/2025, 23:59 **Ozone levels show moderate presence:** Ozone levels mostly fluctuated between 'Fair' and 'Moderate' conditions, requiring monitoring due to its negative impact on respiratory health.
- 30/11/2025, 23:59 **Variations in Particulate Matter Ratios:** The ratio of PM2.5 to PM10 varies, implying different sources or atmospheric processes influencing the size distribution of particulate matter.
- 10/11/2025, 23:59 **Days with 'Poor' AQI Categories:** Several days were categorized as 'Poor,' indicating elevated health risks for sensitive groups and the general population.
- 28/11/2025, 23:59 **Air Quality improvements, but still a way to go:** Air quality improved during some periods with EAQI values dropping into the 'Fair' and 'Moderate' ranges, showcasing potential for improvement.
- 11/11/2025, 23:59 **Sudden Spike in PM₁₀ pollution:** The spike in PM₁₀ levels is likely related to construction, dust storms or windblown soil, which impact the total Air Quality Index.
- 30/11/2025, 23:59 **Source Apportionment is a necessity for better insights:** Determining the major contributors (source apportionment) to PM2.5, PM10, and CO is essential for implementing effective mitigation strategies.
- 30/11/2025, 23:59 **Intervention Strategies for High Pollution Days:** Intervention strategies should be implemented on days when the EAQI is forecasted to be 'Poor', 'Very Poor', or 'Extremely Poor'.
- 30/11/2025, 23:59 **Wind Direction and Pollutant Transport:** The dominant wind direction seems to consistently transport pollutants regardless of being a high wind or low wind day.

- 30/11/2025, 23:59 **Impact of local vehicular emissions:** The high NO₂ levels likely indicate influence from local vehicular emissions. Addressing tailpipe and exhaust pollution sources is important
- 30/11/2025, 23:59 **Need for Regulatory Actions on High Pollution Days:** Strict regulatory actions such as shutting down certain industries during peak pollution and/or implementing odd-even rule for vehicles may be required.
- 30/11/2025, 23:59 **Air quality and weather patterns:** Air quality fluctuations could be influenced by various weather patterns. Further research and analysis on this topic is required.

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	220	142.13	0	0	16.2	41.23
02/11/2025, 23:59	218	139.88	0	0	14.9	37.16
03/11/2025, 23:59	214	135.84	0	0	7.7	20.12
04/11/2025, 23:59	217	138.86	0	0	15.12	35.4
05/11/2025, 23:59	355	147.98	0	0	53.51	127.36
06/11/2025, 23:59	226	148.84	0	0	23.26	58.54
07/11/2025, 23:59	106	91.67	0	0.51	15.89	39.96
08/11/2025, 23:59	221	42.9	13.34	7.26	30.31	59.37
09/11/2025, 23:59	276	34.21	15.83	8.3	44.1	85.89
10/11/2025, 23:59	302	37.49	18.27	7.37	43.93	101.07
11/11/2025, 23:59	440	29.22	37.78	8.96	191.07	567.38
12/11/2025, 23:59	308	35.92	33.86	5.01	48.67	103.96
13/11/2025, 23:59	451	36.64	38.18	6.25	196.14	687.23
14/11/2025, 23:59	411	45.06	35.86	2.39	80.04	266.77
15/11/2025, 23:59	264	42.75	28.83	5.3	36.67	81.8
16/11/2025, 23:59	174	32.51	27.19	7.1	19.8	47.38
17/11/2025, 23:59	94	33.1	32.63	6.8	9.56	37.66
18/11/2025, 23:59	52	35.14	38.37	5.63	8.3	20.96
19/11/2025, 23:59	88	34.63	35.28	4.45	14.45	35.34
20/11/2025, 23:59	90	37.32	25.65	5.3	15.66	35.91
21/11/2025, 23:59	133	34.89	27.14	6.76	20.09	43.26
22/11/2025, 23:59	178	29.14	50.05	7.31	23.89	46.62
23/11/2025, 23:59	86	23.75	61.13	6.36	17.24	32.29
24/11/2025, 23:59	130	28.39	49.88	4.33	21.15	43.04
25/11/2025, 23:59	43	27	43.12	0.24	4.83	12.79
26/11/2025, 23:59	54	32.92	32.84	4.66	9.87	21.69
27/11/2025, 23:59	138	31.61	45.26	6.73	21.89	43.62
28/11/2025, 23:59	180	34.35	58.14	4.2	23.85	48.01
29/11/2025, 23:59	296	30.72	53.22	5.48	49	96.19
30/11/2025, 23:59	406	26.44	51.49	7.48	107.23	209.41

Alti parametri

Weekly Average

To Date	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
01/11/2025, 23:59	2.57	146.93	100	343.68	70.2	14.04	57.04	1010.91	16.67
02/11/2025, 23:59	4.4	171.4	100	304.82	66.57	13.13	52.74	1008.03	16.05
03/11/2025, 23:59	2.53	229.39	100	246.95	72.29	6.44	30.28	1007.59	14.38
04/11/2025, 23:59	3.08	321.92	100	304.14	73.75	13.46	50.33	1016.66	10.45
05/11/2025, 23:59	1.32	44.91	100	500.27	74.91	39.03	187.91	1017	8.8
06/11/2025, 23:59	2.76	132.84	100	402.13	75.48	21.07	79.42	1011.79	9.48
07/11/2025, 23:59	1.91	86.63	100	333.52	75.44	14.3	58.69	1008.85	9.77
08/11/2025, 23:59	1.34	85.1	100	345.48	91.03	27.25	70.12	1005.75	10.56
09/11/2025, 23:59	0.64	181.93	100	315.51	88.54	35.12	99.61	1009.03	10.63
10/11/2025, 23:59	2.47	357.81	100	320.62	90.07	29.87	127.35	1006.75	9.92
11/11/2025, 23:59	1.75	309	100	287.81	91.89	46.34	830.29	1010.35	6.63
12/11/2025, 23:59	1.26	142.21	100	371.52	87.48	40.11	123.99	1014.13	7.63
13/11/2025, 23:59	1.51	132.89	100	371.61	93.72	67.68	1268.09	1014.82	5.04
14/11/2025, 23:59	1.8	132.87	100	477.94	82.05	35.16	480.41	1011.93	9.15
15/11/2025, 23:59	2.32	175.51	100	463.42	82.98	33.58	103.05	1006.97	9.56
16/11/2025, 23:59	3.75	175.31	100	320.45	74.15	17.89	67.35	1004.51	11.57
17/11/2025, 23:59	6.9	187.21	100	250.51	61.03	6.75	54.28	997.37	15.16
18/11/2025, 23:59	3.92	336.9	100	265.33	79.87	7.29	32.65	1006.65	7.27
19/11/2025, 23:59	0.94	124.83	100	280.93	73.81	12.92	52.29	1006.62	7.01
20/11/2025, 23:59	3.77	156.08	100	334.38	81.18	13.96	50.59	1001.11	9.82
21/11/2025, 23:59	2.04	208.91	100	293.91	86.5	17.91	55.78	1000.26	8.27
22/11/2025, 23:59	2.82	322.51	100	258.92	91.8	21.17	54.87	1006.25	4.29
23/11/2025, 23:59	3.29	266.92	100	232.27	86.59	15.84	37.43	1008.78	2.59
24/11/2025, 23:59	4.42	165.58	100	311.54	80.13	19.5	54.92	1005.98	3.52
25/11/2025, 23:59	9.49	161.83	100	249.11	64.09	3.98	20.36	996.12	11.27
26/11/2025, 23:59	2.77	197.36	100	289.04	75.11	8.86	30.15	998.6	9.02
27/11/2025, 23:59	3.26	328.95	100	322.65	82.46	20.27	54.44	1008.63	4.17
28/11/2025, 23:59	2.1	331.75	100	253.91	88.26	22.01	59.28	1010.7	3.35
29/11/2025, 23:59	2.46	307.57	100	279.79	91.86	42.81	109	1006.63	3.36
30/11/2025, 23:59	1.98	214.84	100	341.83	94.09	71.35	233.03	1006.34	2.84

Oizom will not be responsible for Environmental Data accuracy once Validated