

Primaria Ciacova

MONTHLY AIR-QUALITY REPORT

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

Numele dispozitivului: **Primaria Ciacova**
Locația dispozitivului: **Piața Cetății 10, Ciacova, 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): **262**

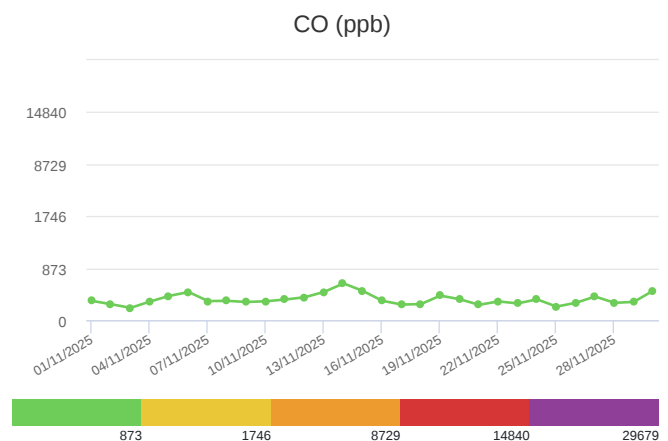
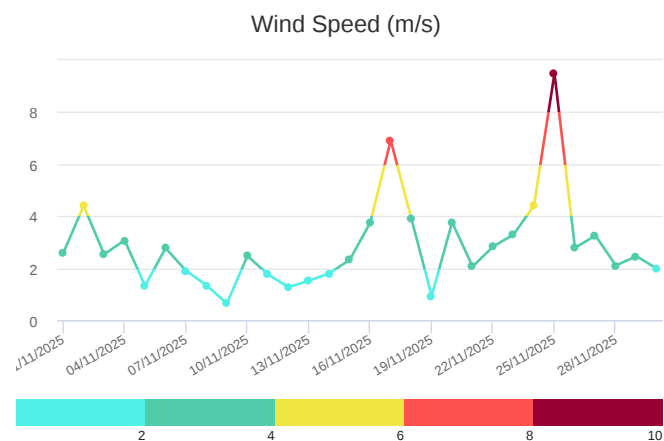
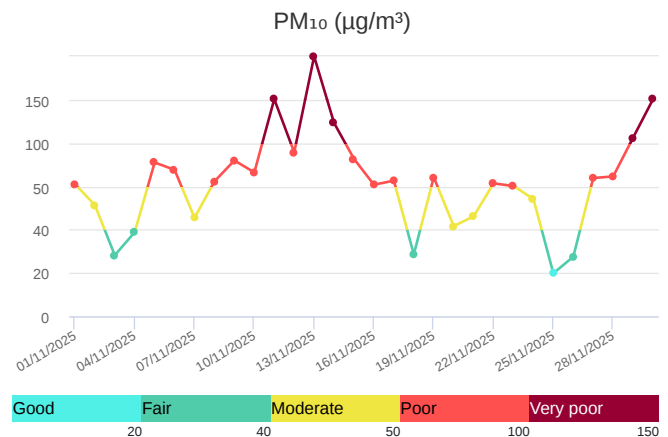
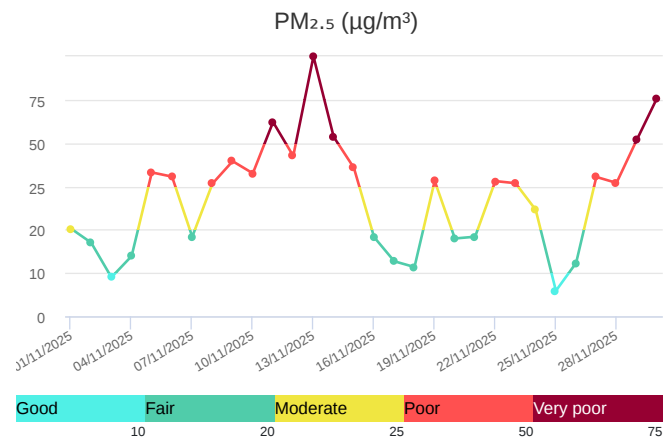
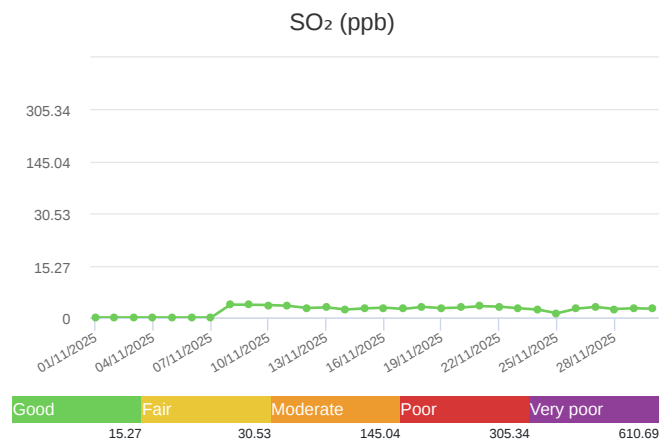
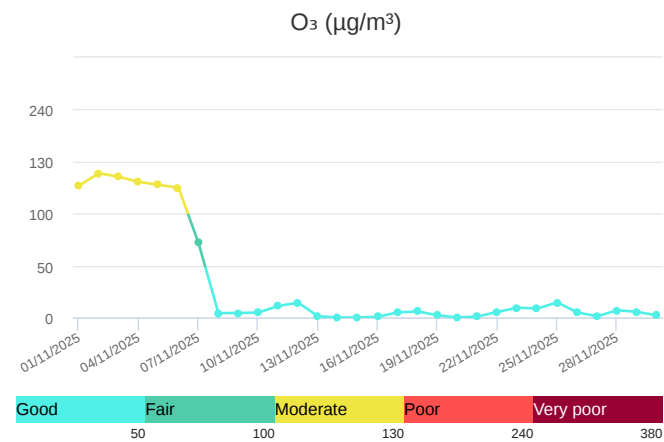
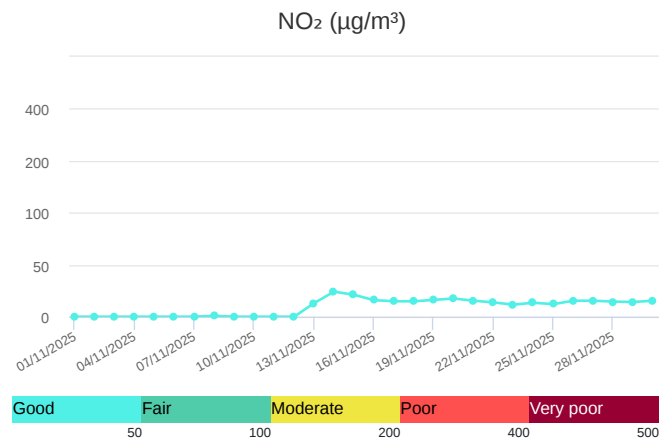
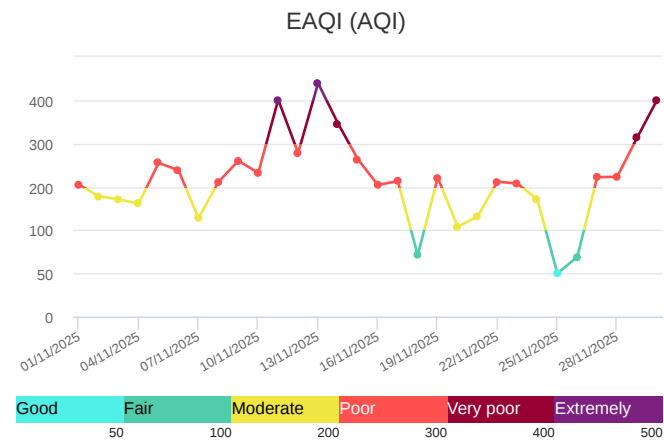
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

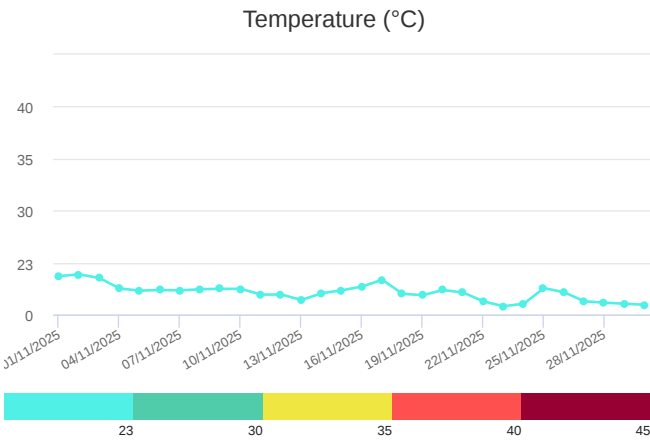
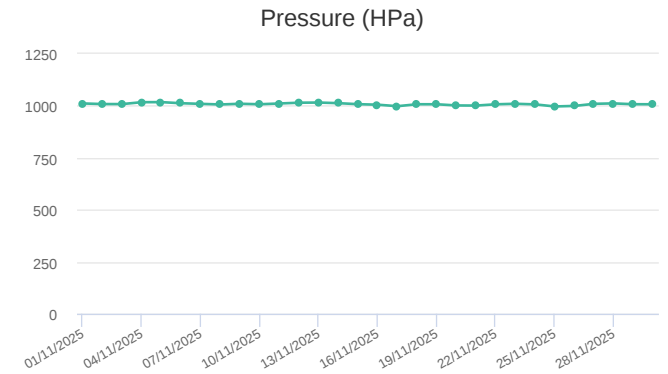
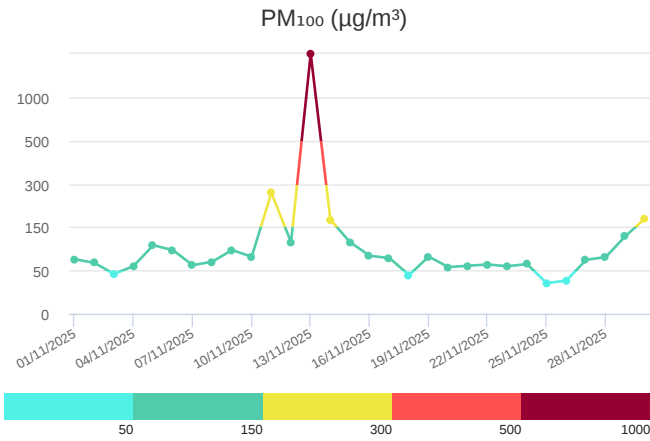
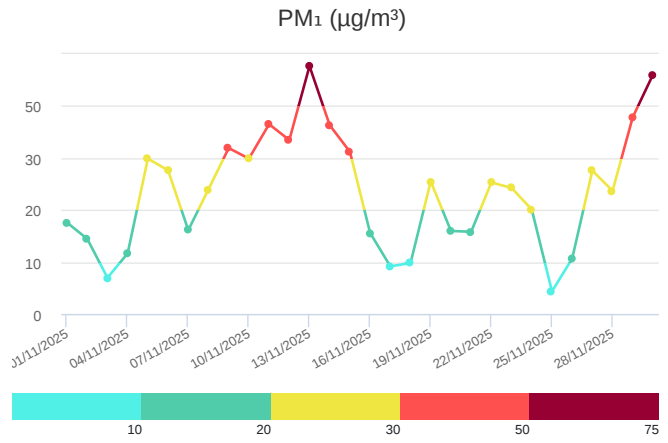
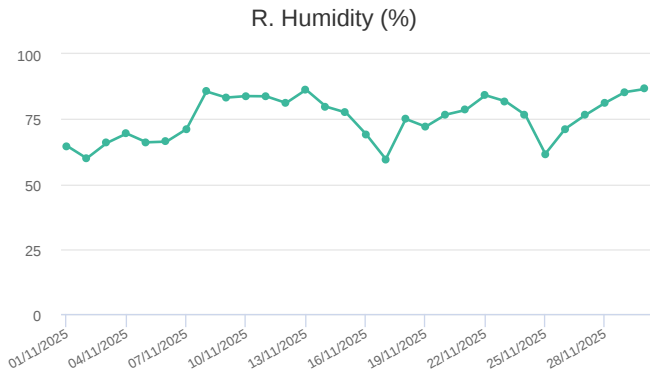
	EAQI AQI	NO ₂ μg/m ³	O ₃ μg/m ³	SO ₂ ppb	PM _{2.5} μg/m ³	PM ₁₀ μg/m ³
Average	262	6.39	29.52	0	33.07	80.82
Maximum	439	24.08	123.28	3.78	168.54	557.7
Date	13/11/2025	14/11/2025	02/11/2025	08/11/2025	13/11/2025	13/11/2025
Minimum	50	0	0	0	5.89	19.86
Date	25/11/2025	01/11/2025	14/11/2025	01/11/2025	25/11/2025	25/11/2025

Prezentare generală zilnică: Alți parametri

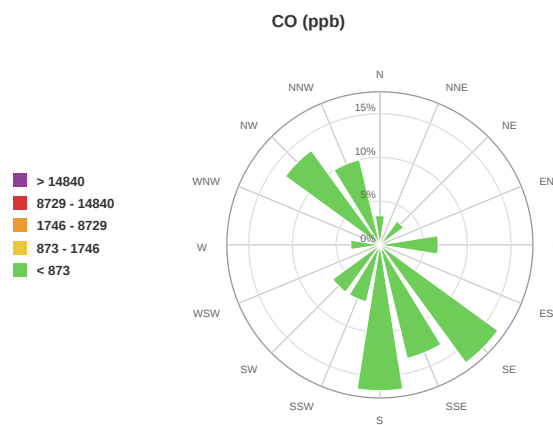
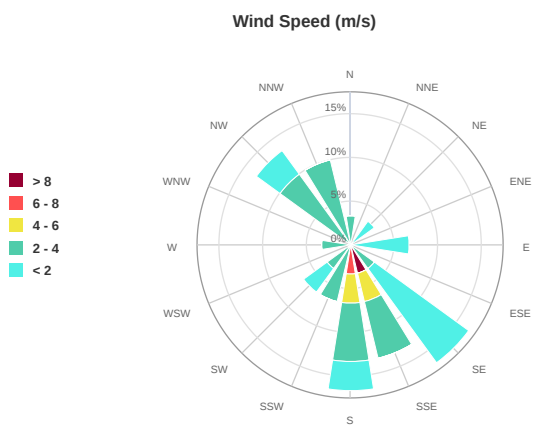
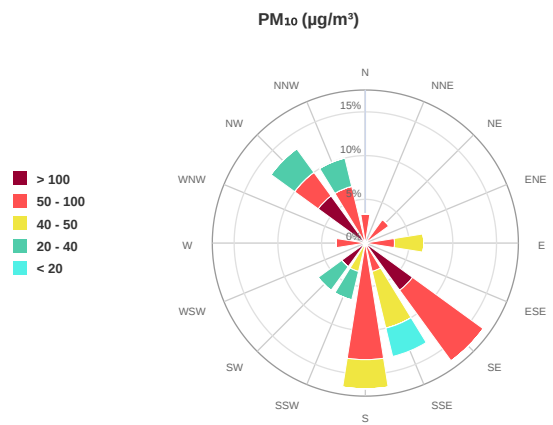
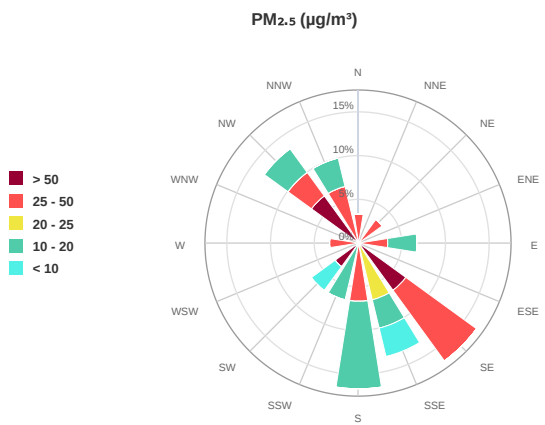
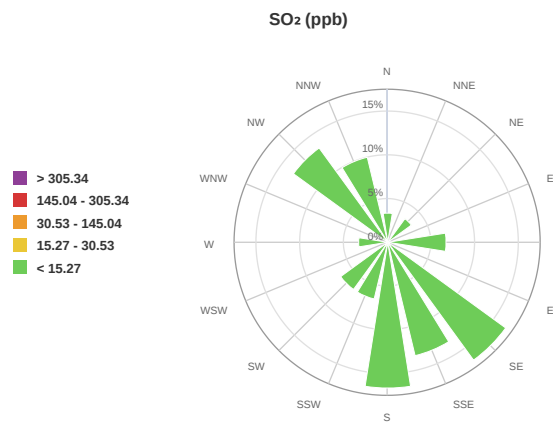
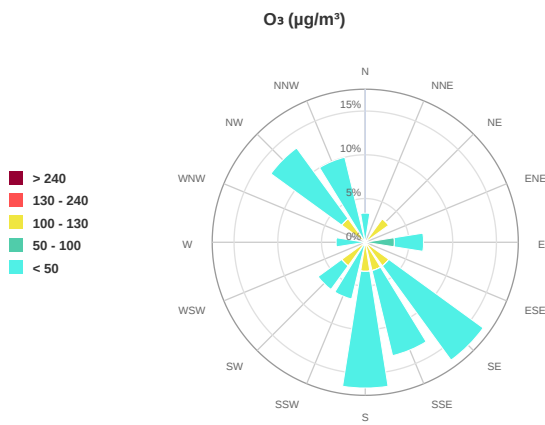
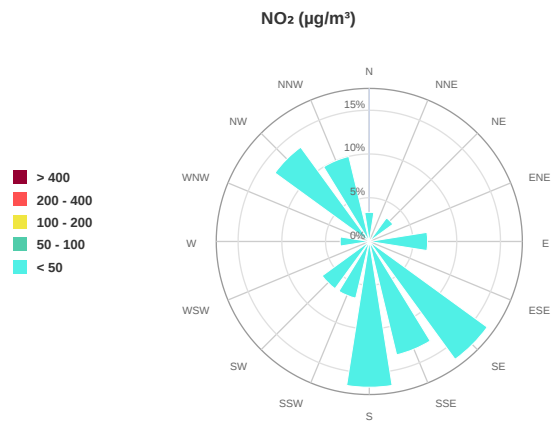
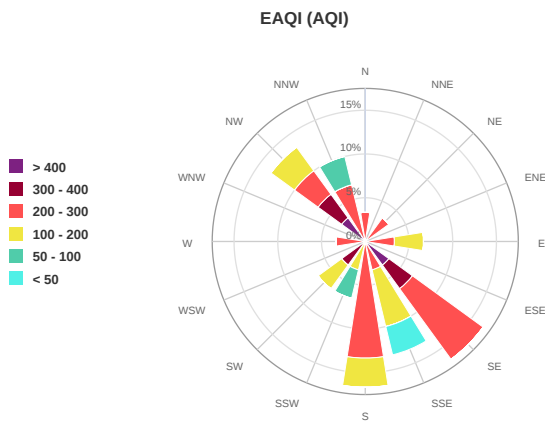
	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ µg/m ³	PM ₁₀₀ µg/m ³	Pressure hPa	Temperature °C
Average	1.04	183.67	100	345.8	75.34	25.82	121.7	1008.24	9.83
Maximum	9.49	161.84	100	616.08	86.55	69.18	1078.21	1017.64	17.77
Date	25/11/2025	25/11/2025	01/11/2025	14/11/2025	30/11/2025	13/11/2025	13/11/2025	05/11/2025	02/11/2025
Minimum	0.64	182.05	100	204.91	59.56	4.35	35.28	996.86	3.67
Date	09/11/2025	09/11/2025	01/11/2025	03/11/2025	17/11/2025	25/11/2025	25/11/2025	25/11/2025	23/11/2025

Weekly Average

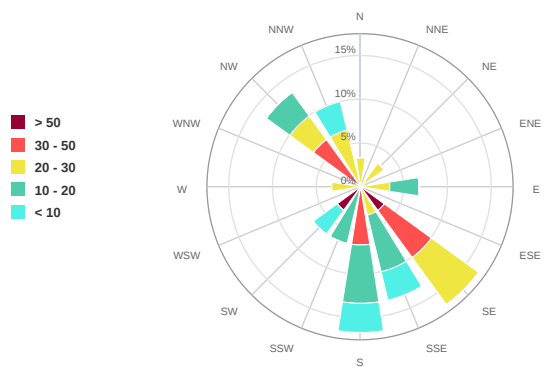




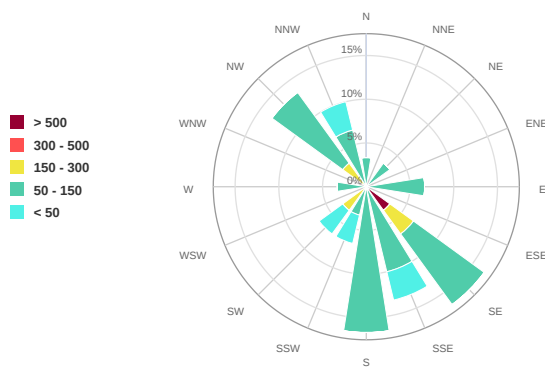
Weekly Average



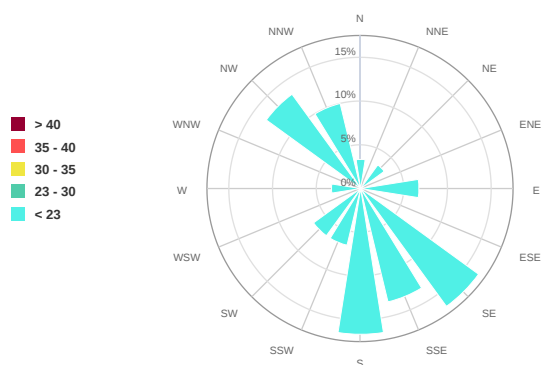
PM₁ (µg/m³)



PM₁₀₀ (µg/m³)



Temperature (°C)



Alerte

No alerts for the selected date and time range

Insights

- 30/11/2025, 23:59 **EAQI consistently in Poor to Extremely Poor range in November:** The EAQI values frequently fall within the 'Poor' to 'Extremely Poor' range during the observed period, indicating compromised air quality.
- 30/11/2025, 23:59 **Ozone levels frequently outside of 'Good' air quality:** Ozone levels are frequently elevated, surpassing the 'Good' range, with several days registering in the 'Very Poor' category.
- 30/11/2025, 23:59 **NO₂ concentration largely within 'Good' to 'Fair' ranges:** NO₂ concentrations are generally within the 'Good' to 'Fair' ranges, although there are occasional exceedances into the 'Moderate' and 'Poor' zones.
- 30/11/2025, 23:59 **SO₂ remains consistently 'Good' air quality parameter:** Sulfur Dioxide (SO₂) levels remained consistently within the 'Good' range throughout the entire measurement period, with minimal fluctuation.
- 30/11/2025, 23:59 **PM_{2.5} exceeds safe limits in November:** PM_{2.5} concentrations often exceed the safe threshold of 25 µg/m³, frequently reaching 'Poor', 'Very Poor', and 'Extremely Poor' levels.
- 30/11/2025, 23:59 **PM₁₀ levels indicate substantial air particulate pollution:** PM₁₀ values show high particulate matter pollution with several instances hitting 'Very Poor' and 'Extremely Poor' levels.
- 13/11/2025, 23:59 **November 13th: Extreme PM₁₀ spike and Extremely Poor EAQI:** On November 13th, the PM₁₀ level reached a concerning 557.7 µg/m³, driving the EAQI to an 'Extremely Poor' value of 439.
- 30/11/2025, 23:59 **High humidity correlated with pollution in November:** High relative humidity (above 75%) appears to correlate with periods of 'Poor' to 'Extremely Poor' air quality as indicated by EAQI.
- 30/11/2025, 23:59 **Wind speeds effect on air quality:** Low wind speeds (below 2 m/s) often coincide with higher EAQI values, possibly due to reduced pollutant dispersion.
- 30/11/2025, 23:59 **Lower temperatures do not necessarily reduce pollution levels:** Despite relatively low temperatures (below 10°C) during parts of November, air quality remains compromised.
- 30/11/2025, 23:59 **Absence of NO₂ does not indicate better air quality:** Many readings show 0 NO₂ and coincide with Very Poor or Extremely Poor AQI, indicating that the absence of NO₂ doesn't mean better air quality.
- 02/11/2025, 23:59 **O₃ Spikes Contribute to Poor Air Quality:** Ozone levels spike at 227.69 µg/m³ to 242.02 µg/m³ contributing to overall poor air quality.
- 30/11/2025, 23:59 **Poor Air Quality Trend Continues in Late November:** The trend of poor to very poor air quality persists in late November, with high PM_{2.5} and PM₁₀ levels.
- 30/11/2025, 23:59 **PM_{2.5} Spikes Drive Extremely Poor Air Quality:** The PM_{2.5} spikes exceeding 50 µg/m³ often correspond with periods of 'Very Poor' to 'Extremely Poor' air quality.
- 25/11/2025, 23:59 **November 25th Shows Good Air Quality:** November 25th stands out with a 'Good' EAQI, low PM_{2.5}, and PM₁₀ levels, marking a period of cleaner air.
- 30/11/2025, 23:59 **East-Southeast Winds Often Correlate with High AQI:** East-Southeast wind directions often coincides with poor AQI scores and high PM levels.
- 25/11/2025, 23:59 **Good Air Quality on November 25th:** EAQI reached 'Good' level, with low PM_{2.5} (5.89 µg/m³) and PM₁₀ (19.86 µg/m³), representing optimal air quality.
- 30/11/2025, 23:59 **Variability in PM₁₀ and PM_{2.5} Ratios Observed:** The ratio between PM₁₀ and PM_{2.5} varies significantly, suggesting changes in the sources or composition of particulate matter.
- 30/11/2025, 23:59 **Elevated CO Levels May Contribute to Poor EAQI:** CO(ppb) levels are relatively high and may be a contributing factor to the high EAQI values.
- 30/11/2025, 23:59 **Consistent Battery readings show constant functionality:** The Battery levels remain consistently at 100%, indicating continuous power supply and data collection throughout November.
- 30/11/2025, 23:59 **Pressure Variations Throughout November:** Fluctuations in atmospheric pressure, range from 996.86 to 1017.64 hPa, and do not show any immediate correlation with pollution levels.
- 30/11/2025, 23:59 **Variable Wind Direction Influence on Air Quality:** Wind direction shifts frequently, suggesting various sources and trajectories of pollutants affecting air quality.
- 30/11/2025, 23:59 **Wind Speed Impact on Pollutant Dispersion Varies:** Changes in wind speed impact PM concentration. Increased wind speed may disperse air pollutants decreasing air quality.
- 30/11/2025, 23:59 **Low SO₂ doesn't guarantee clean air:** SO₂ levels are consistently low, but that does not mean better EAQI. It is crucial to monitor other pollutants.
- 30/11/2025, 23:59 **Temperature Inversions Might Trap Pollutants:** Temperature decreases do not lead to reductions in pollution, suggesting the presence of temperature inversion may trap pollutants.
- 30/11/2025, 23:59 **Industrial Influence on Air Quality:** High readings of PM₁₀ and PM_{2.5} indicates that there are a lot of industrial particulates being pumped into the air.
- 30/11/2025, 23:59 **Directional analysis requires more granular data:** With more data points a directional analysis, with high and low readings correlated to wind directions, could be beneficial.

- 30/11/2025, 23:59 **PM 1.0 and PM 100 Correlation**: PM 1.0 and PM 100 particulate readings follow similar trajectories to PM 2.5 and PM 10. More granular reading may provide further insights.
- 30/11/2025, 23:59 **Poor Ozone Readings Impact Air Quality**: There are poor ozone readings which contributes to the overall poor air quality. Ozone values stay consistent throughout the November Data.
- 30/11/2025, 23:59 **Variable Readings, but largely Poor**: Air quality levels and pollutant levels display variable readings but it largely stays in the Poor/Very Poor Category.

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	205	0	115.98	0	20.12	52.49
02/11/2025, 23:59	178	0	123.28	0	16.98	45.71
03/11/2025, 23:59	171	0	121.18	0	8.99	28.17
04/11/2025, 23:59	161	0	118.25	0	13.9	38.83
05/11/2025, 23:59	255	0	116.58	0	33.02	77.49
06/11/2025, 23:59	238	0	114.84	0	30.61	69.03
07/11/2025, 23:59	127	0	71.76	0	18.36	42.73
08/11/2025, 23:59	211	0.9	4.2	3.78	26.55	55.69
09/11/2025, 23:59	260	0	4.34	3.74	39.5	79.91
10/11/2025, 23:59	232	0	4.68	3.67	32.49	66.07
11/11/2025, 23:59	401	0	11.11	3.44	62.11	155.31
12/11/2025, 23:59	278	0	14.24	2.8	42.53	89.23
13/11/2025, 23:59	439	13.08	1.13	2.98	168.54	557.7
14/11/2025, 23:59	346	24.08	0	2.35	53.54	123.09
15/11/2025, 23:59	263	21.04	0	2.67	35.7	81.65
16/11/2025, 23:59	204	15.89	0.72	2.9	18.28	51.84
17/11/2025, 23:59	213	14.83	4.97	2.52	12.7	56.54
18/11/2025, 23:59	71	14.74	5.8	3.11	11.37	28.53
19/11/2025, 23:59	221	16.21	2.16	2.77	28.13	60.54
20/11/2025, 23:59	108	17.47	0	2.91	17.96	40.82
21/11/2025, 23:59	131	15.39	0.99	3.35	18.37	43.06
22/11/2025, 23:59	212	13.69	5.37	3.19	28.03	53.34
23/11/2025, 23:59	207	11.61	9.45	2.72	26.79	50.46
24/11/2025, 23:59	171	13.39	8.65	2.32	22.29	47.06
25/11/2025, 23:59	50	12.12	14.49	1.24	5.89	19.86
26/11/2025, 23:59	69	15.36	4.88	2.59	12.32	27.51
27/11/2025, 23:59	222	15.36	1.15	3.1	30.43	59.54
28/11/2025, 23:59	223	14.55	6.97	2.51	26.97	61.45
29/11/2025, 23:59	313	14.11	5.45	2.71	51.75	106.25
30/11/2025, 23:59	400	15.38	2	2.58	77.91	154.55

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	147.01	100	322.79	64.68	17.56	75.84	1011.31	17.02
02/11/2025, 23:59	4.4	171.42	100	266.16	59.86	14.44	67.49	1008.44	17.77
03/11/2025, 23:59	2.53	229.51	100	204.91	65.76	6.96	45.82	1008.22	16.18
04/11/2025, 23:59	3.07	321.89	100	311.25	69.42	11.66	60.37	1017.33	11.53
05/11/2025, 23:59	1.32	44.98	100	406.6	66.03	29.88	108.16	1017.64	10.58
06/11/2025, 23:59	2.77	132.83	100	471.51	66.3	27.62	96.61	1012.31	10.85
07/11/2025, 23:59	1.9	86.71	100	319.55	71.1	16.12	62.13	1009.4	10.69
08/11/2025, 23:59	1.34	84.96	100	322.95	85.6	23.97	70.2	1006.36	11.19
09/11/2025, 23:59	0.64	182.05	100	303.65	83.24	33.81	96.96	1009.82	11.38
10/11/2025, 23:59	2.47	358.05	100	316.78	83.81	29.88	81.71	1007.43	11.37
11/11/2025, 23:59	1.76	308.96	100	346.08	83.73	42.99	268.31	1011.12	8.83
12/11/2025, 23:59	1.27	142.11	100	384.14	81.17	36.89	115.16	1014.87	8.86
13/11/2025, 23:59	1.51	132.95	100	473.48	86.27	69.18	1078.21	1015.61	6.44
14/11/2025, 23:59	1.8	132.85	100	616.08	79.76	42.62	175.64	1012.66	9.43
15/11/2025, 23:59	2.32	175.57	100	489.49	77.49	32.38	115.17	1007.76	10.71
16/11/2025, 23:59	3.75	175.32	100	324.61	69.24	15.59	83.81	1005.3	12.43
17/11/2025, 23:59	6.91	187.2	100	261.39	59.56	9.16	78.5	998.13	15.36
18/11/2025, 23:59	3.93	336.93	100	268.81	75.01	9.79	44.77	1007.47	9.21
19/11/2025, 23:59	0.93	124.86	100	411.4	72.05	25.5	81.82	1007.35	8.56
20/11/2025, 23:59	3.76	156.03	100	350.63	76.66	15.97	57.83	1001.71	10.84
21/11/2025, 23:59	2.06	209.14	100	256.8	78.45	15.8	60.84	1001.03	9.76
22/11/2025, 23:59	2.83	322.55	100	313.75	84.14	25.29	63.69	1007.2	5.85
23/11/2025, 23:59	3.29	266.92	100	280.37	81.83	24.25	59.67	1009.8	3.67
24/11/2025, 23:59	4.41	165.66	100	348.08	76.55	20.09	64.72	1006.82	4.76
25/11/2025, 23:59	9.49	161.84	100	227.12	61.59	4.35	35.28	996.86	11.68
26/11/2025, 23:59	2.78	197.36	100	290.06	71.23	10.64	38.27	999.37	9.86
27/11/2025, 23:59	3.25	328.95	100	395.1	76.48	27.57	74.36	1009.53	5.86
28/11/2025, 23:59	2.1	331.79	100	289.85	81.21	23.69	80.95	1011.57	5.24
29/11/2025, 23:59	2.46	307.52	100	305.73	85.35	45.72	129.09	1007.6	4.8
30/11/2025, 23:59	1.98	214.79	100	494.84	86.55	65.07	179.66	1007.3	4.33

Oizom will not be responsible for Environmental Data accuracy once Validated