

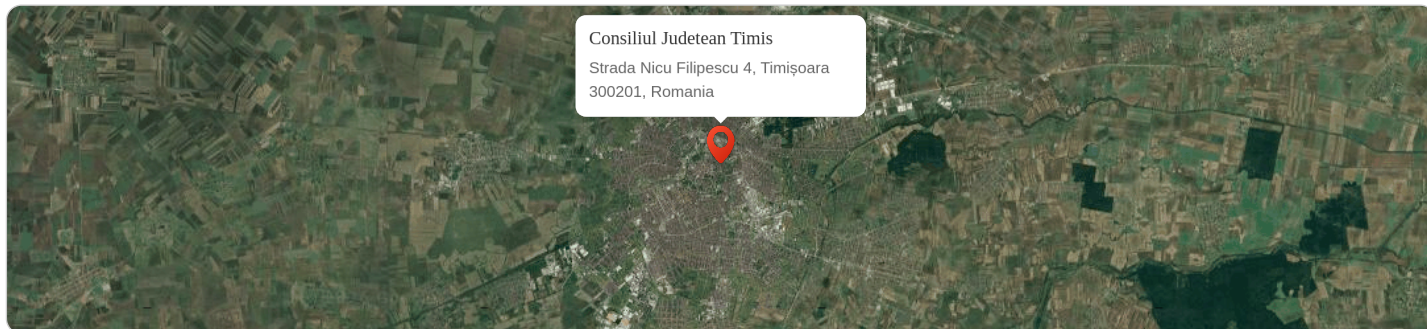
Consiliul Judetean Timis

MONTHLY AIR-QUALITY REPORT

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

Numele dispozitivului: **Consiliul Judetean Timis**
Locația dispozitivului: **Strada Nicu Filipescu 4, Timișoara 300201, 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): **256**

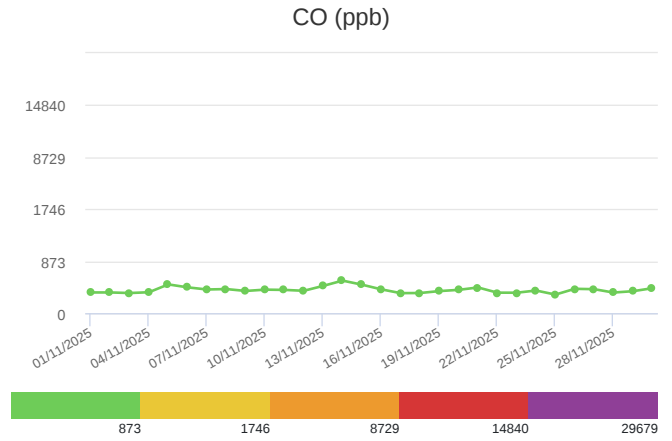
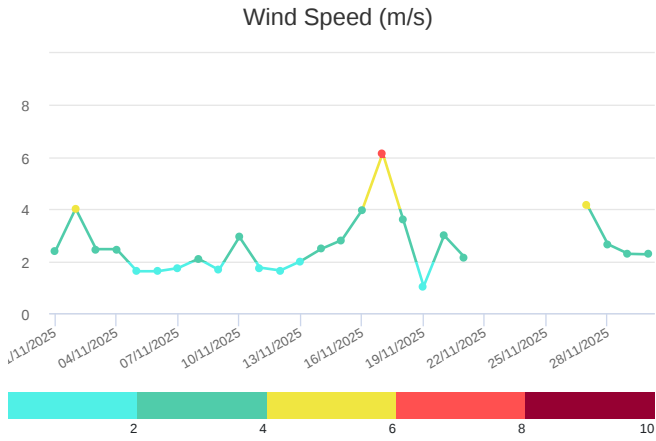
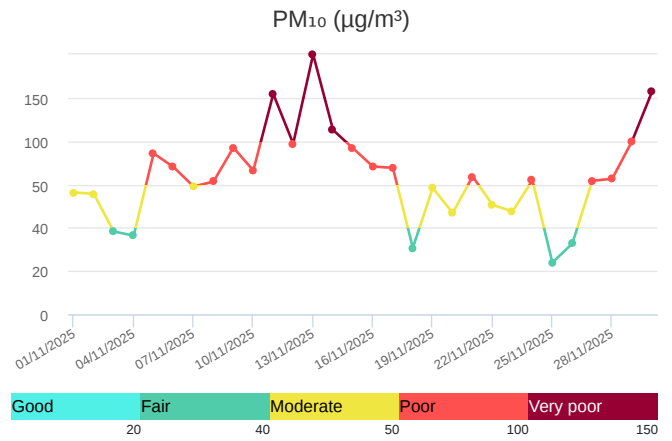
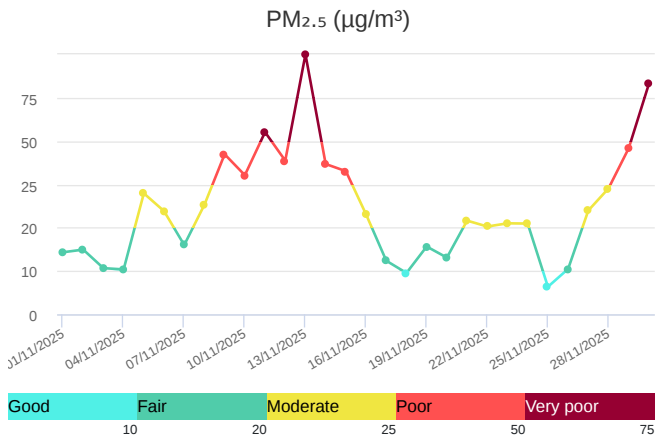
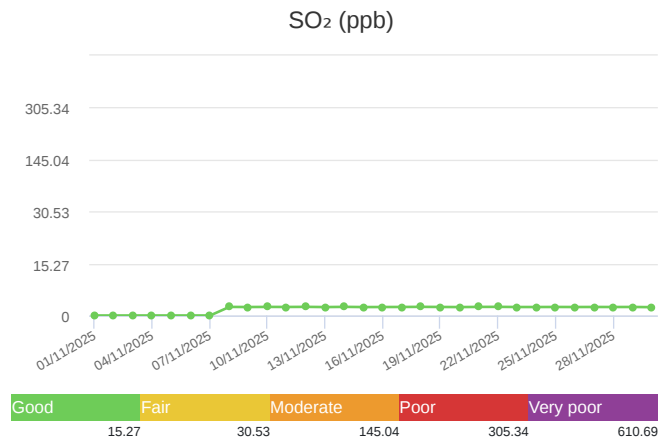
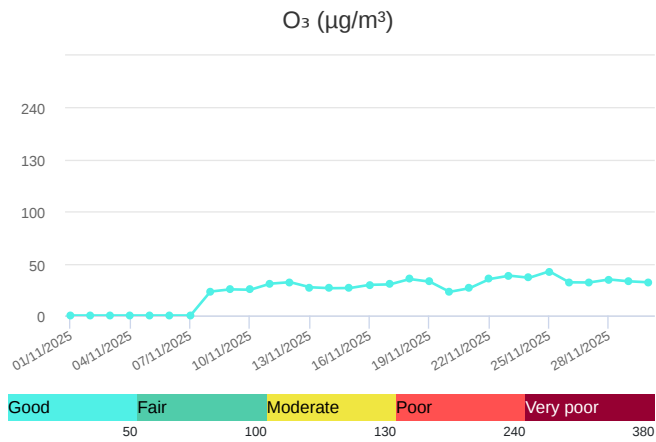
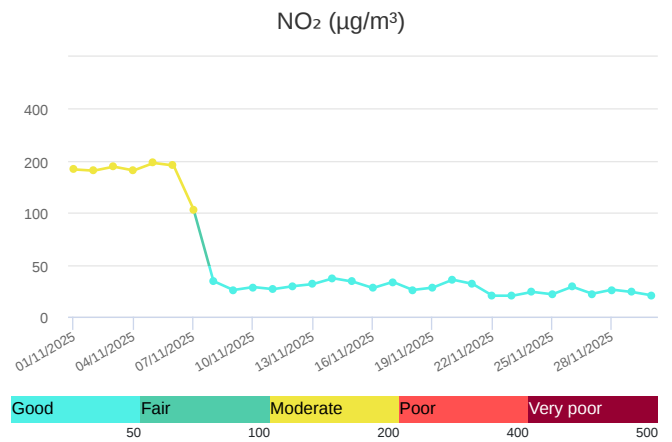
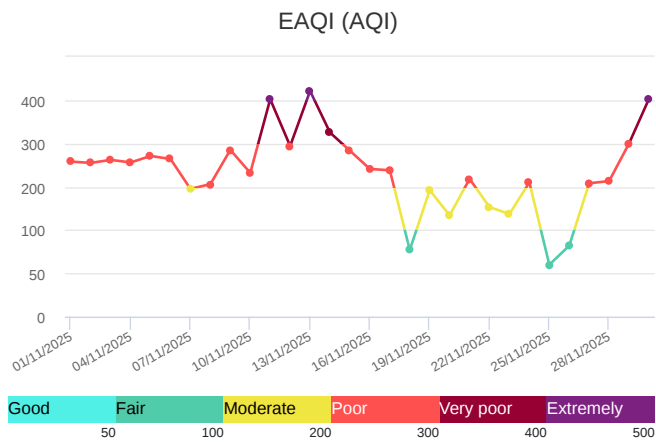
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

	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	256	62.09	0	0	27.07	77.91
Maximum	421	195.71	42.43	2.53	96.4	367.44
Date	13/11/2025	05/11/2025	25/11/2025	12/11/2025	13/11/2025	13/11/2025
Minimum	60	20.19	0	0	6.35	23.88
Date	25/11/2025	22/11/2025	01/11/2025	01/11/2025	25/11/2025	25/11/2025

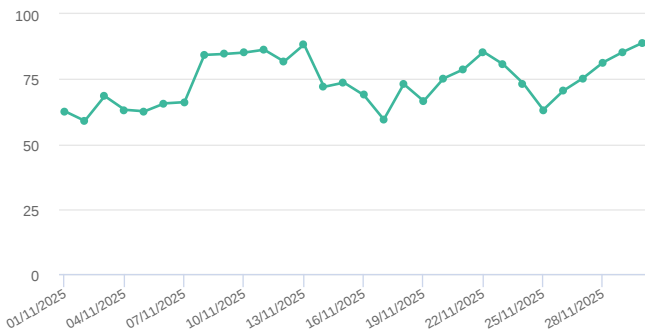
Prezentare generală zilnică: Alți parametri

	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	0.59	159.4	100	389.25	74.3	22.14	131.08	1006.08	9.99
Maximum	6.15	190.67	100	545.36	89	61.33	731.75	1015.18	18.69
Date	17/11/2025	17/11/2025	01/11/2025	14/11/2025	30/11/2025	30/11/2025	13/11/2025	05/11/2025	01/11/2025
Minimum	1.03	86.8	100	310.68	58.9	4.92	49.59	995.02	3.49
Date	19/11/2025	19/11/2025	01/11/2025	25/11/2025	02/11/2025	25/11/2025	25/11/2025	25/11/2025	30/11/2025

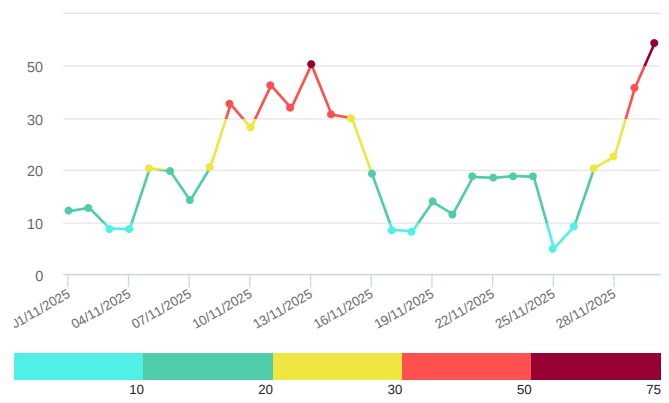
Weekly Average



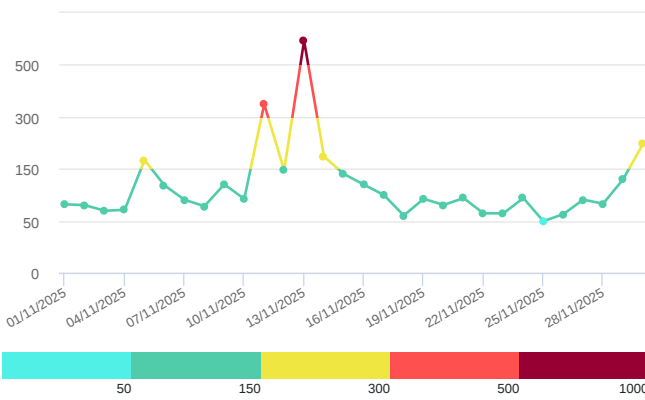
R. Humidity (%)



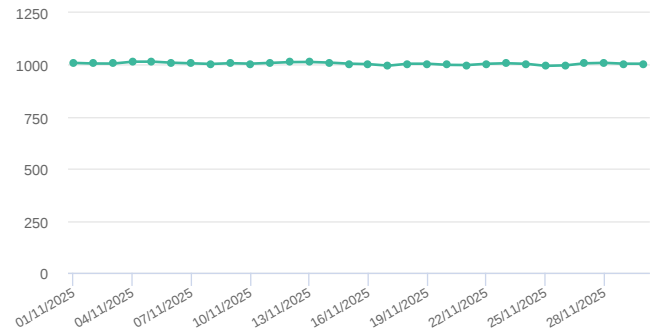
PM₁ (µg/m³)



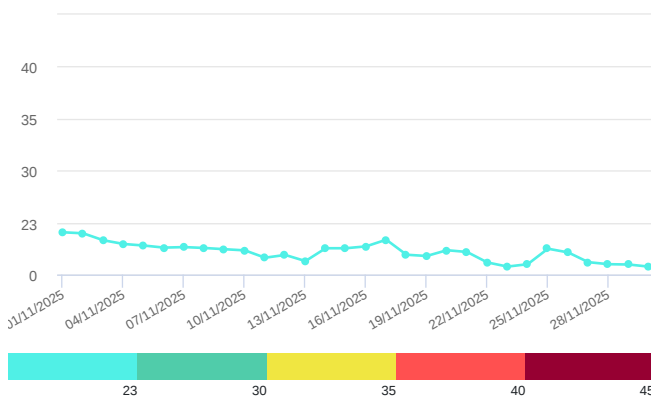
PM₁₀₀ (µg/m³)



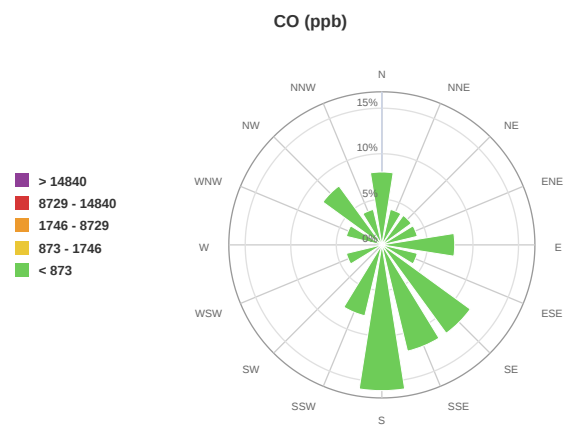
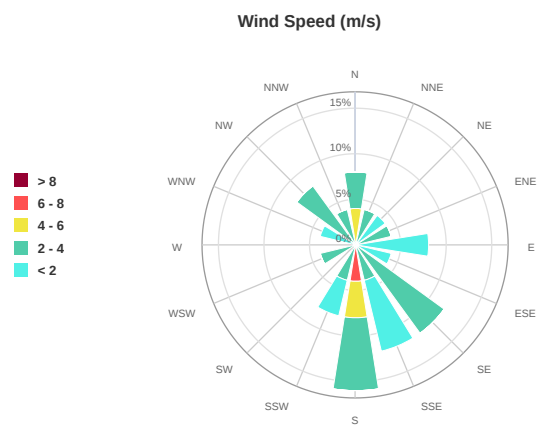
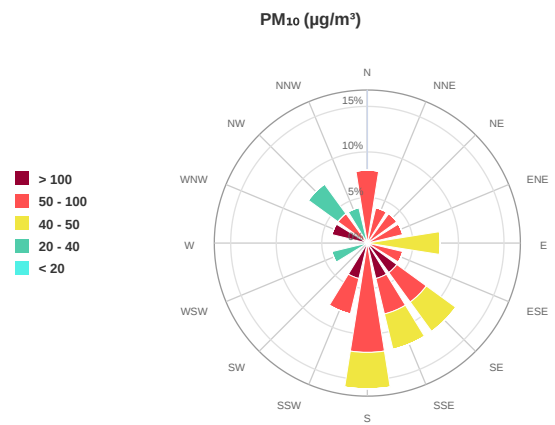
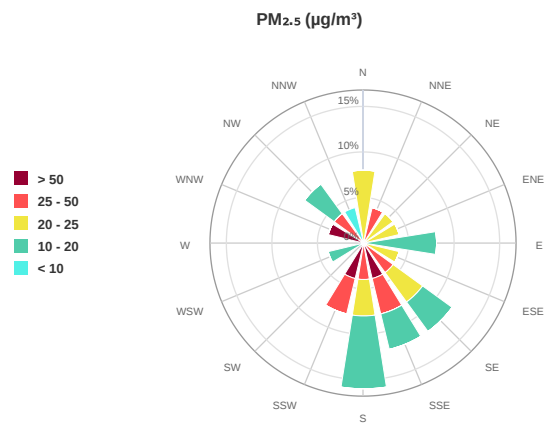
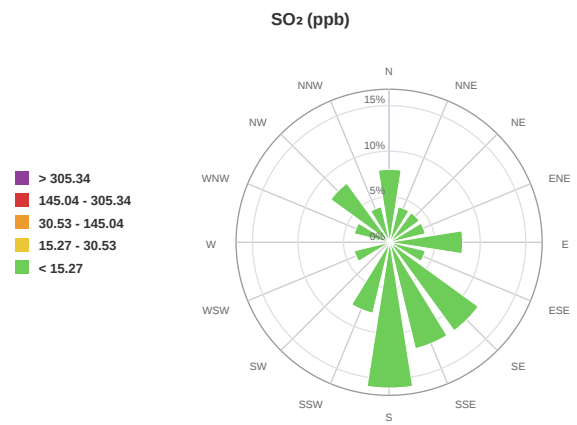
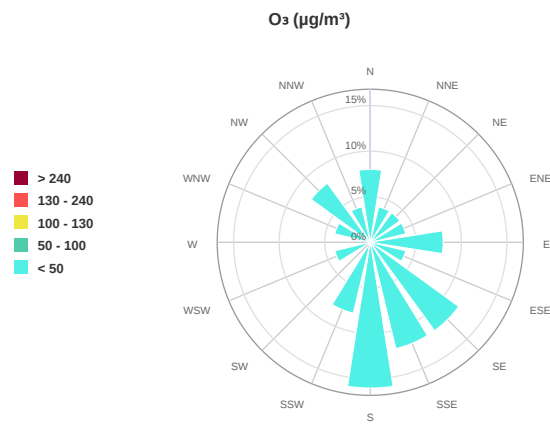
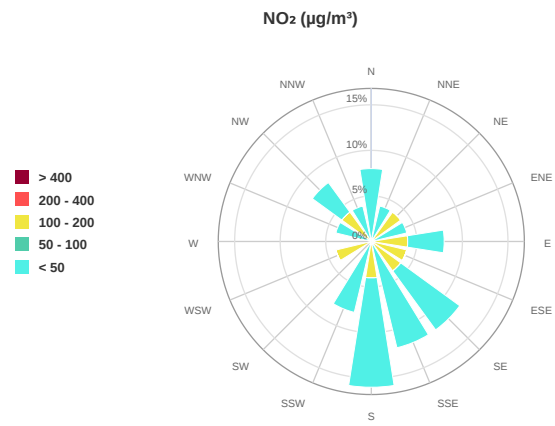
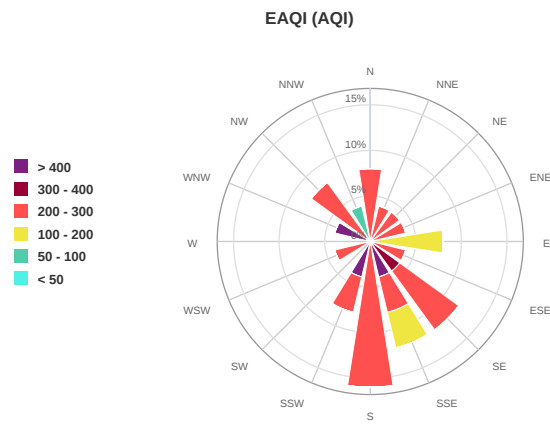
Pressure (hPa)



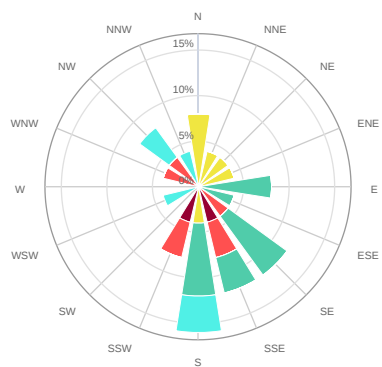
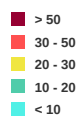
Temperature (°C)



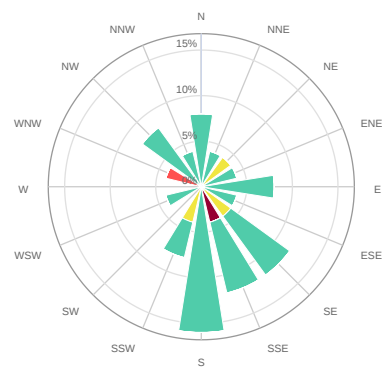
Weekly Average



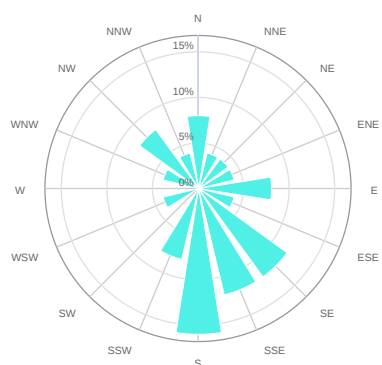
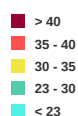
PM₁ (µg/m³)



PM₁₀₀ (µg/m³)



Temperature (°C)



Alerte

No alerts for the selected date and time range

Insights

- 06/11/2025, 23:59 **Dominance of Extremely Poor Air Quality in Early November:** The EAQI was in the 'Extremely Poor' zone for the first six days of November, indicating a severe air pollution episode. High NO₂ levels are a contributing factor.
- 06/11/2025, 23:59 **NO₂ as Primary Pollutant Driving Extremely Poor EAQI:** The consistently high levels of NO₂ (above 340 µg/m³) are a key factor pushing the EAQI into the 'Extremely Poor' category during the initial days of the month.
- 30/11/2025, 23:59 **O₃ levels consistently 'Good' throughout the month:** O₃ levels were consistently at 0 or in 'Good' range, not contributing to the elevated EAQI. This suggests that other pollutants are dominant.
- 07/11/2025, 23:59 **Transition from 'Extremely Poor' to 'Poor' EAQI mid-month:** There's a noticeable shift in air quality around November 7th, with the EAQI improving from 'Extremely Poor' to 'Poor', remaining so for a considerable period.
- 30/11/2025, 23:59 **SO₂ levels are consistently low and 'Good':** SO₂ levels remain consistently low, generally below 2.6 ppb, indicating it's not a major contributor to the overall air quality concerns.
- 30/11/2025, 23:59 **PM_{2.5} fluctuated, influencing EAQI fluctuations:** PM_{2.5} levels showed variation throughout the month, sometimes exceeding 20 µg/m³ contributing to Poor AQI, at other times remaining below 10.
- 30/11/2025, 23:59 **PM₁₀ Spikes Contribute to 'Poor' Air Quality:** PM₁₀ concentrations frequently exceed the 'Moderate' threshold, with instances reaching 'Very Poor' and 'Extremely Poor' levels. This negatively affects overall air quality.
- 30/11/2025, 23:59 **Wind Speed Variation and Air Quality Correlation:** Wind speeds vary considerably, ranging from 1.03 m/s to 6.15 m/s. The higher wind speed on 2025-11-17 possibly contributed to better air quality.
- 30/11/2025, 23:59 **Temperature's Negative Correlation with Air Quality:** Lower temperatures appear to coincide with poorer air quality. On 2025-11-13, the temperature was 5.96°C, and the EAQI was 421.
- 30/11/2025, 23:59 **Humidity impact on Air Quality:** Relative Humidity fluctuates between 58.9% and 89%. High levels of humidity appears to coincide with poorer air quality during the month.
- 30/11/2025, 23:59 **November 30th Sees a Sharp Increase in PM_{2.5}:** On November 30th, PM_{2.5} jumps to 81.86 µg/m³, which is in the 'Extremely Poor' zone. This spike significantly impacts the EAQI, pushing it to 403.
- 30/11/2025, 23:59 **CO Levels Show Some Correlation with EAQI:** CO levels tend to be higher during periods of 'Extremely Poor' air quality, suggesting a potential link, although not definitive causal relation.
- 30/11/2025, 23:59 **Pressure fluctuations Impact Air Quality:** Pressure, ranging from 995.02 to 1015.18 HPa, might have a minor influence. There appears to be higher pollution during lower pressure.
- 26/11/2025, 23:59 **Air quality improved to 'Fair' mid-November:** Between 2025-11-18 and 2025-11-19 the air quality improved to fair with an EAQI between 77 and 83. It can be correlated with a wind speed of 3.6 to 6.15 m/s
- 30/11/2025, 23:59 **Air quality deterioration on last day of month:** Air quality deteriorated to 'Extremely Poor' on the last day of the month with an EAQI of 403. PM₁₀ levels reached 'Extremely poor' category with 180.18 µg/m³
- 30/11/2025, 23:59 **Consistent Battery Readings Suggest Reliable Sensor Data:** Battery percentage remained at 100% throughout the entire period suggesting the sensor readings are stable and reliable.
- 30/11/2025, 23:59 **Wind Direction Variability and Pollution Source:** Wind direction varies considerably throughout the month, suggesting potential pollution sources from multiple directions. Predominant wind directions might correlate to pollutant levels.
- 30/11/2025, 23:59 **PM₁ Tracks Air Quality Fluctuations:** PM₁ concentration variations align with air quality fluctuations. For instance, it's elevated during extremely poor EAQI days and relatively lower during moderate days.
- 30/11/2025, 23:59 **PM₁₀₀ Shows the similar Trend with other PM:** PM₁₀₀ levels follow a similar trend to PM_{2.5} and PM₁₀, indicating a common source or environmental influence affecting particulate matter concentrations.
- 24/11/2025, 23:59 **Short period of 'Moderate' Air Quality:** There are short periods where the EAQI is in the 'Moderate' range (100-200), indicating temporary improvements in air quality. The 2025-11-19 had the lowest CO of 369.23 ppb
- 30/11/2025, 23:59 **Air Quality is more often in 'Poor' state during November:** Over the month, the most frequent classification for the EAQI is 'Poor'. Indicating that the pollution level is high for a long period.
- 30/11/2025, 23:59 **Deterioration of Air Quality During Last Few Days:** Air quality tends to worsen during the last few days, transitioning from 'Fair' to 'Poor' and then 'Extremely poor' at the end of the month.
- 30/11/2025, 23:59 **NO₂ Above Thresholds Contribute To Air Pollution:** The values of NO₂ are frequently above the range of threshold, causing an increase in the range of EAQI and contribute to air pollution.
- 15/11/2025, 23:59 **CO (ppb) Influence Air Quality:** The values of CO is high during the starting weeks of month, which indicates that it also contributed to the air pollution.
- 30/11/2025, 23:59 **Pressure (HPa) Range influence Air Quality:** It is observed that during the higher pressure values the air quality remains in 'Poor' Range and during lower values of pressure, the air quality turns out to be in 'Fair' range.
- 17/11/2025, 23:59 **Air Quality Improvement Correlates with Increased Temperatures:** Improved air quality from 'Extremely Poor' to 'Poor' between November 7 and November 17, coincides with an increase in Temperature from 12.14°C to 15.41°C.
- 30/11/2025, 23:59 **Relationship Between Wind Direction and Air Quality:** The data shows a variability in wind direction. Analyzing the dominant directions during periods of high pollution could help pinpoint pollution source.

- 24/11/2025, 23:59 **Moderate Air Quality Period Correlates with Moderate Humidity:** The 'Moderate' air quality period coincides with humidity levels around the 60-70% range. Perhaps this impacts pollutants suspension.
- 06/11/2025, 23:59 **PM₁₀ Impact on Extremely Poor Air Quality:** During 'Extremely poor' AQI, levels of PM₁₀ are frequently above 150 µg/m³, which indicates that PM₁₀ contribute majorly to air pollution.
- 30/11/2025, 23:59 **CO Reduction Needed for Better Air:** CO levels often spike in the 350-450 ppb range, especially during periods of poor air quality. Reducing CO emissions could lead to considerable air quality improvements.

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	258	183.26	0	0	14.32	48.16
02/11/2025, 23:59	255	180.89	0	0	14.93	47.77
03/11/2025, 23:59	262	188.63	0	0	10.65	38.2
04/11/2025, 23:59	256	181.25	0	0	10.36	36.34
05/11/2025, 23:59	271	195.71	0	0	23.96	85.67
06/11/2025, 23:59	264	190.9	0	0	21.91	69.9
07/11/2025, 23:59	195	106.72	0	0	15.99	49.52
08/11/2025, 23:59	206	34.26	22.99	2.52	22.65	53.12
09/11/2025, 23:59	285	25.65	25.14	2.49	42.35	92.46
10/11/2025, 23:59	232	28.5	24.77	2.52	30.28	65.94
11/11/2025, 23:59	402	26.49	30.62	2.5	55.12	168.78
12/11/2025, 23:59	294	29.35	32.04	2.53	38.68	96.99
13/11/2025, 23:59	421	31.42	27.17	2.48	96.4	367.44
14/11/2025, 23:59	325	36.95	26.26	2.53	36.73	112.63
15/11/2025, 23:59	283	33.72	26.39	2.47	32.6	91.59
16/11/2025, 23:59	241	27.62	29.52	2.49	21.53	70.57
17/11/2025, 23:59	238	33.46	29.88	2.51	12.36	69.02
18/11/2025, 23:59	77	25.71	35.04	2.53	9.54	30.68
19/11/2025, 23:59	192	27.94	32.54	2.5	15.64	49.17
20/11/2025, 23:59	134	35.62	22.77	2.47	13.09	43.38
21/11/2025, 23:59	218	31.55	26.26	2.52	20.81	59.07
22/11/2025, 23:59	153	20.19	35.04	2.53	20.13	45.28
23/11/2025, 23:59	137	20.19	38.29	2.49	20.5	43.74
24/11/2025, 23:59	210	23.83	36.31	2.49	20.47	54.83
25/11/2025, 23:59	60	21.57	42.43	2.5	6.35	23.88
26/11/2025, 23:59	82	28.86	31.88	2.49	10.47	32.66
27/11/2025, 23:59	208	22.05	31.75	2.51	21.98	54.09
28/11/2025, 23:59	213	26.02	34.63	2.49	24.53	56.4
29/11/2025, 23:59	300	23.73	32.86	2.51	45.82	99.93
30/11/2025, 23:59	403	20.51	31.9	2.45	81.86	180.18

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	2.37	134.92	100	346.18	62.59	12.06	81.56	1009.17	18.69
02/11/2025, 23:59	4.02	174.6	100	346.98	58.9	12.73	80.14	1006.26	18.25
03/11/2025, 23:59	2.46	252.27	100	337.09	68.43	8.75	69.21	1005.92	15.15
04/11/2025, 23:59	2.46	322.98	100	349.81	63.16	8.63	70.99	1014.96	13.53
05/11/2025, 23:59	1.61	45.41	100	481.83	62.57	20.36	175.12	1015.18	12.83
06/11/2025, 23:59	1.61	123.13	100	432.13	65.62	19.79	117.95	1010.01	11.92
07/11/2025, 23:59	1.73	88.6	100	396.33	66.09	14.13	90.43	1007.15	12.14
08/11/2025, 23:59	2.09	72.85	100	403.23	84.27	20.56	78.02	1004.24	11.75
09/11/2025, 23:59	1.66	199.03	100	371.63	84.63	35.3	120.13	1007.67	11.19
10/11/2025, 23:59	2.93	13.25	100	393.29	85.17	28.08	91.96	1005.53	10.7
11/11/2025, 23:59	1.75	298.35	100	389.54	86.26	42.54	348.36	1009.14	7.45
12/11/2025, 23:59	1.64	168.11	100	374.9	81.71	33.76	147.11	1012.96	8.66
13/11/2025, 23:59	2	147.8	100	456.81	88.26	50.64	731.75	1013.64	5.96
14/11/2025, 23:59	2.47	145.2	100	545.36	71.98	31.26	185.23	1010.61	11.64
15/11/2025, 23:59	2.81	177.69	100	477.22	73.61	29.98	139.88	1005.45	11.63
16/11/2025, 23:59	3.97	176.66	100	398.71	68.8	19.22	119.53	1003.06	12.47
17/11/2025, 23:59	6.15	190.67	100	335.09	59.42	8.49	99.57	995.93	15.41
18/11/2025, 23:59	3.6	345.87	100	336.76	73.06	8.21	60.22	1005.16	8.77
19/11/2025, 23:59	1.03	86.8	100	369.23	66.51	13.84	92.18	1005.14	8.2
20/11/2025, 23:59	2.99	154.28	100	389.91	75.23	11.47	80.45	999.72	10.77
21/11/2025, 23:59	2.15	145.51	100	430.04	78.73	18.68	93.57	998.8	9.98
22/11/2025, 23:59			100	343.39	85.44	18.47	64.28	1004.93	5.37
23/11/2025, 23:59			100	342.29	80.58	18.82	64.34	1007.49	3.51
24/11/2025, 23:59			100	378.87	73.27	18.7	93.65	1004.73	4.57
25/11/2025, 23:59			100	310.68	63.13	4.92	49.59	995.02	11.42
26/11/2025, 23:59			100	407.64	70.46	9.07	62.62	997.26	9.8
27/11/2025, 23:59	4.14	359.45	100	401.95	75.37	20.39	90.56	1007.28	5.47
28/11/2025, 23:59	2.65	358.59	100	345.06	81.39	22.58	82.78	1009.38	4.57
29/11/2025, 23:59	2.28	323.33	100	367.89	85.42	41.39	129.58	1005.35	4.44
30/11/2025, 23:59	2.26	207.5	100	417.58	89	61.33	221.54	1005.15	3.49

Oizom will not be responsible for Environmental Data accuracy once Validated