

# 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, NO<sub>2</sub>, O<sub>3</sub>, SO<sub>2</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>, Wind Speed, Wind Direction, CO, R. Humidity, PM<sub>1</sub>, PM<sub>100</sub>, Pressure, Temperature



Media indicelui de calitate al aerului (ICA): 256

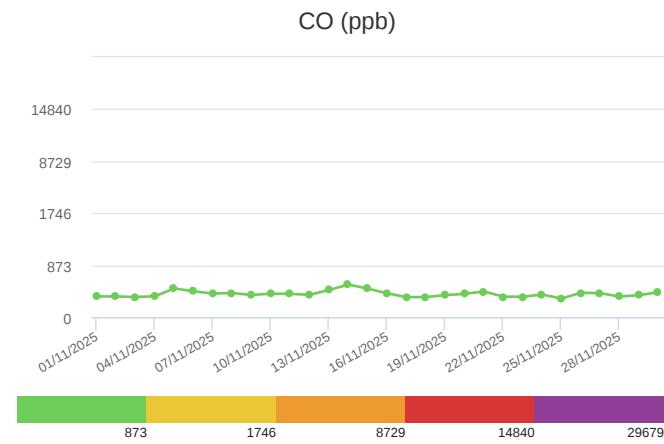
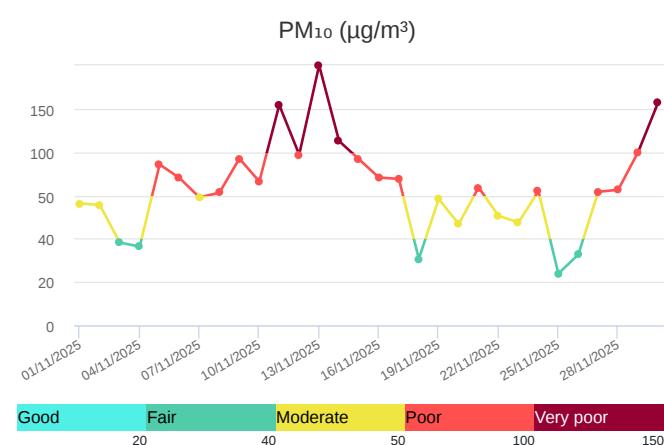
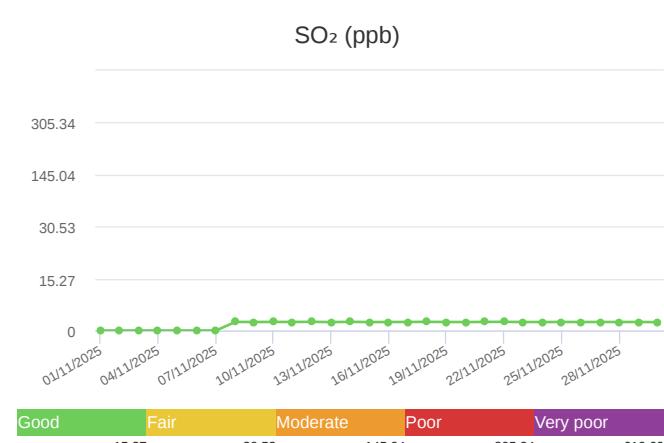
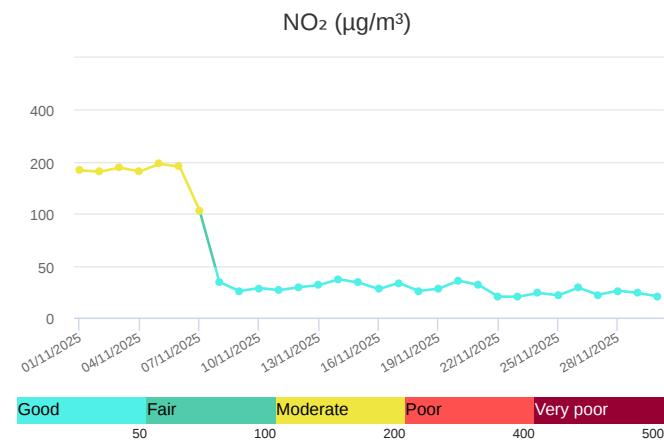
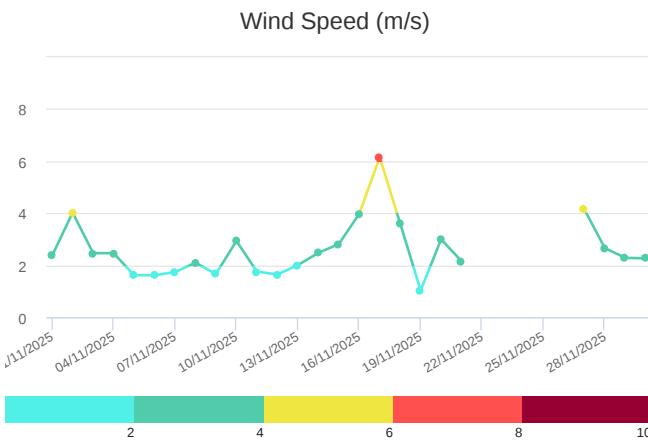
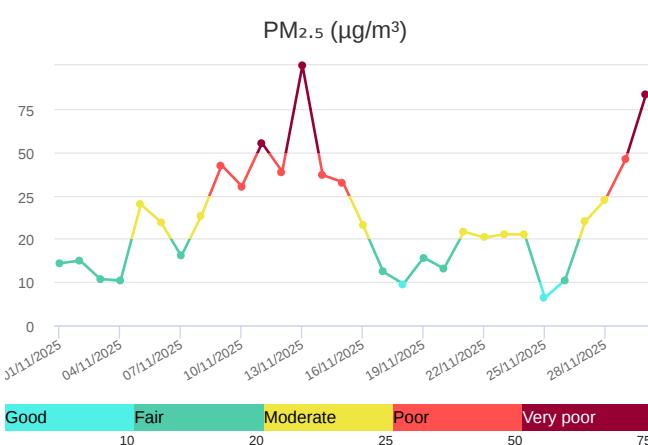
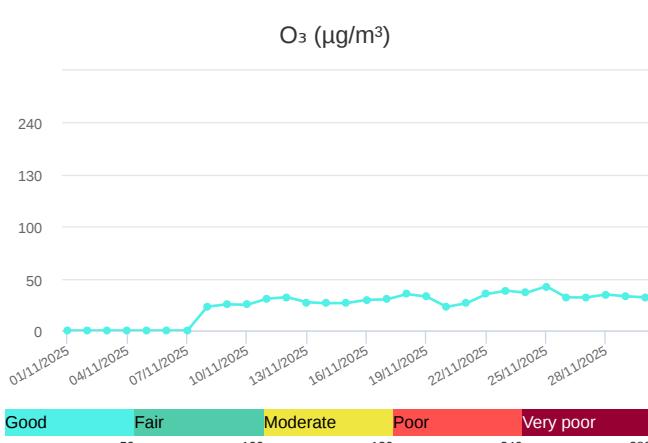
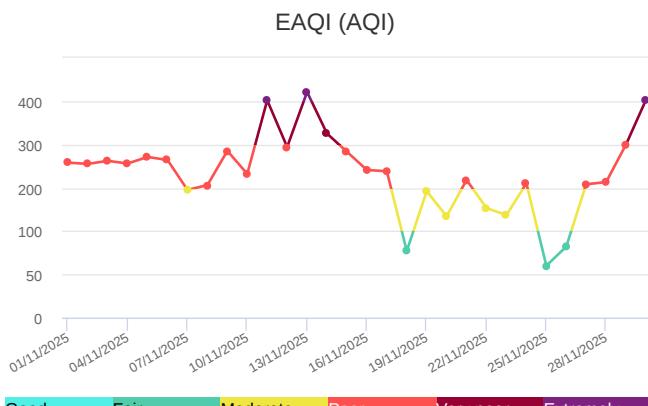
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

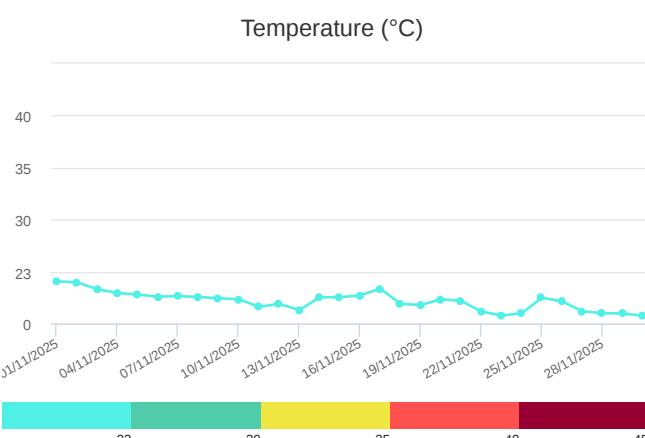
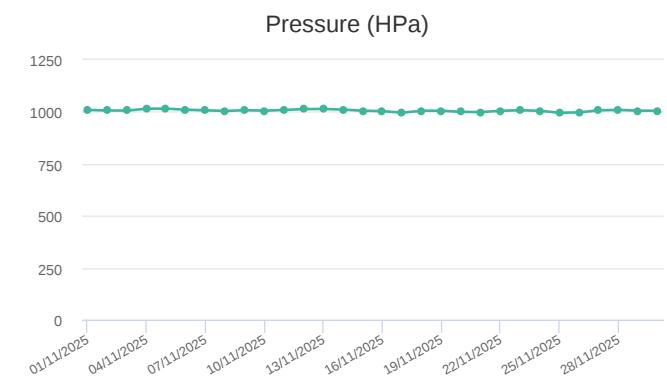
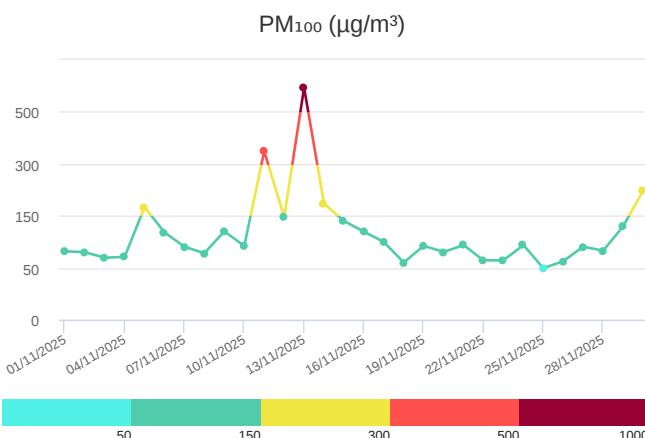
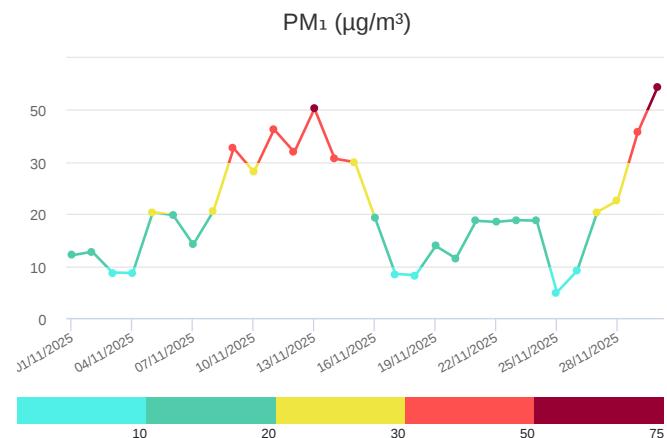
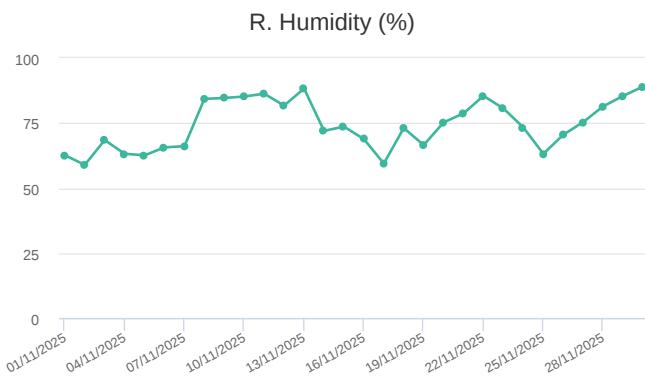
	EAQI AQI	NO <sub>2</sub> µg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	SO <sub>2</sub> ppb	PM <sub>2.5</sub> µg/m <sup>3</sup>	PM <sub>10</sub> µg/m <sup>3</sup>
Average	256	62.09	0	0	27.07	77.91
Maximum	421	195.71	42.43	2.53	96.4	367.44
Date	13/11/2025	05/11/2025	25/11/2025	12/11/2025	13/11/2025	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

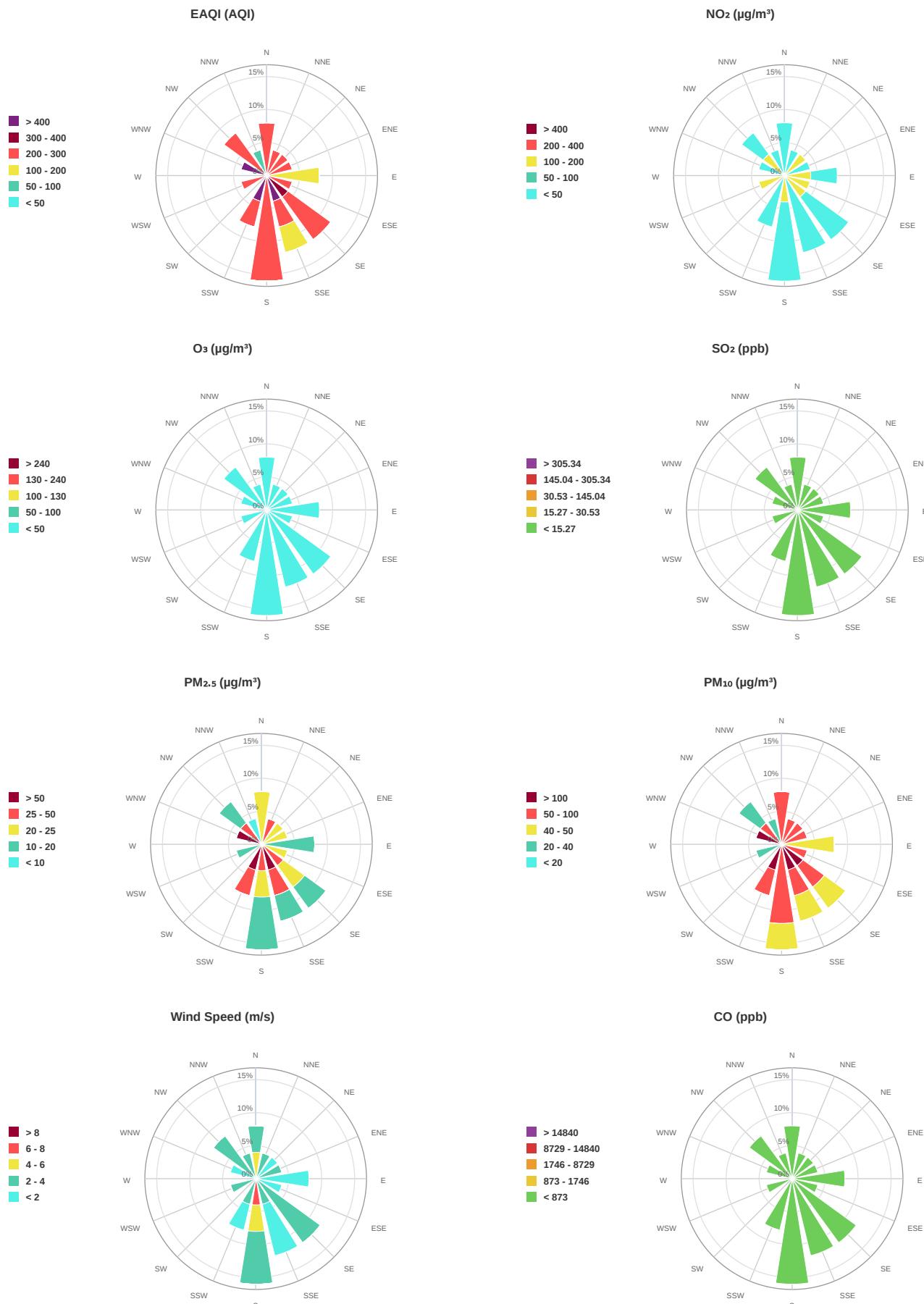
	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM1 µg/m³	PM100 µg/m³	Pressure HPa	Temperature °C
<b>Average</b>	0.59	159.4	100	389.25	74.3	22.14	131.08	1006.08	9.99
<b>Maximum</b>	6.15	190.67	100	545.36	89	61.33	731.75	1015.18	18.69
<b>Date</b>	17/11/2025	17/11/2025	01/11/2025	14/11/2025	30/11/2025	30/11/2025	13/11/2025	05/11/2025	01/11/2025
<b>Minimum</b>	1.03	86.8	100	310.68	58.9	4.92	49.59	995.02	3.49
<b>Date</b>	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

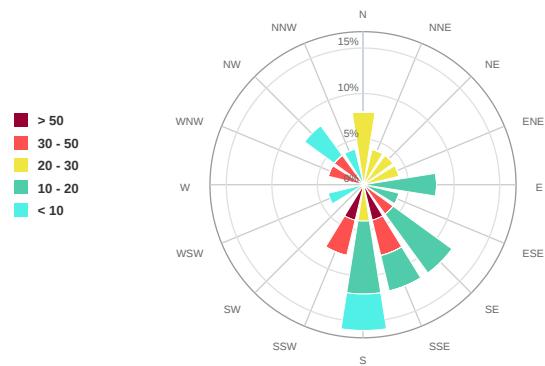
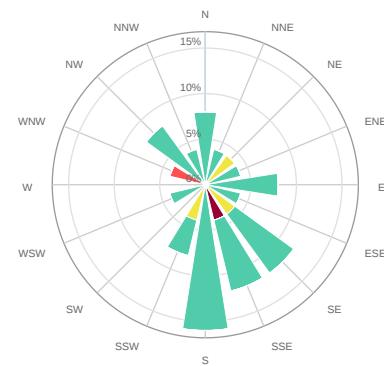
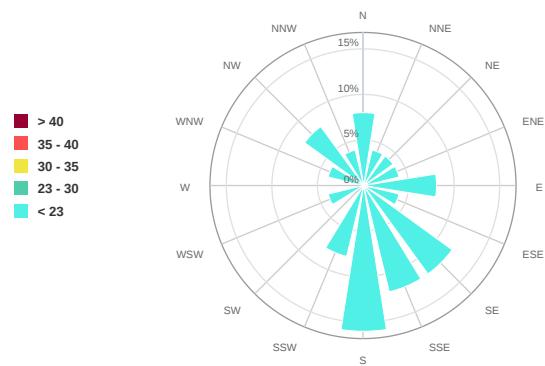
## Weekly Average





## Weekly Average



**PM1 ( $\mu\text{g}/\text{m}^3$ )**

**PM100 ( $\mu\text{g}/\text{m}^3$ )**

**Temperature ( $^{\circ}\text{C}$ )**


## 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 NO<sub>2</sub> levels are a contributing factor.
- 06/11/2025, 23:59 **NO<sub>2</sub> as Primary Pollutant Driving Extremely Poor EAQI:** The consistently high levels of NO<sub>2</sub> (above 340 µg/m<sup>3</sup>) are a key factor pushing the EAQI into the 'Extremely Poor' category during the initial days of the month.
- 30/11/2025, 23:59 **O<sub>3</sub> levels consistently 'Good' throughout the month:** O<sub>3</sub> 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 **SO<sub>2</sub> levels are consistently low and 'Good':** SO<sub>2</sub> 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<sub>2.5</sub> fluctuated, influencing EAQI fluctuations:** PM<sub>2.5</sub> levels showed variation throughout the month, sometimes exceeding 20 µg/m<sup>3</sup> contributing to Poor AQI, at other times remaining below 10.
- 30/11/2025, 23:59 **PM<sub>10</sub> Spikes Contribute to 'Poor' Air Quality:** PM<sub>10</sub> 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<sub>2.5</sub>:** On November 30th, PM<sub>2.5</sub> jumps to 81.86 µg/m<sup>3</sup>, 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. PM<sub>10</sub> levels reached 'Extremely poor' category with 180.18 µg/m<sup>3</sup>
- 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 **PM<sub>1</sub> Tracks Air Quality Fluctuations:** PM<sub>1</sub> 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 **PM<sub>100</sub> Shows the similar Trend with other PM:** PM<sub>100</sub> levels follow a similar trend to PM<sub>2.5</sub> and PM<sub>10</sub>, 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 **NO<sub>2</sub> Above Thresholds Contribute To Air Pollution:** The values of NO<sub>2</sub> 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 **PM<sub>10</sub> Impact on Extremely Poor Air Quality**: During 'Extremely poor' AQI, levels of PM<sub>10</sub> are frequently above 150 µg/m<sup>3</sup>, which indicates that PM<sub>10</sub> 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 <sub>2</sub> µg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	SO <sub>2</sub> ppb	PM <sub>2.5</sub> µg/m <sup>3</sup>	PM <sub>10</sub> µg/m <sup>3</sup>
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

## Altı parametri

Weekly Average

To Date	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM <sub>1</sub> µg/m <sup>3</sup>	PM <sub>100</sub> µg/m <sup>3</sup>	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