

Primaria Gataia (Sala Sport)

MONTHLY AIR-QUALITY REPORT

Timp de la: **01/12/2025, 00:00**
Timp până la: **30/12/2025, 23:59**

Numele dispozitivului: **Primaria Gataia (Sala Sport)**
Locația dispozitivului: **Strada Înfrățirii 110, Gătaia 307185, 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): **401**

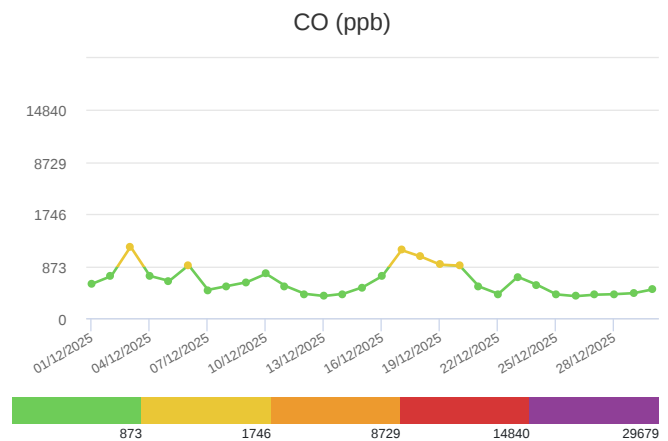
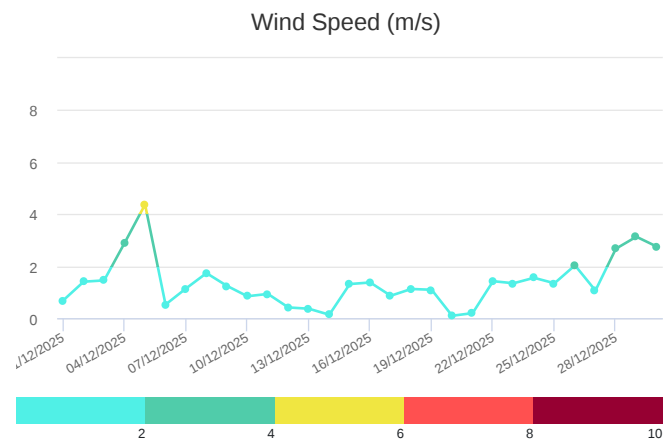
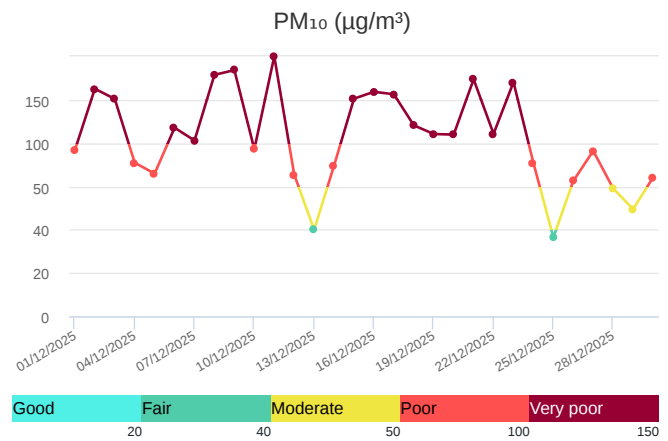
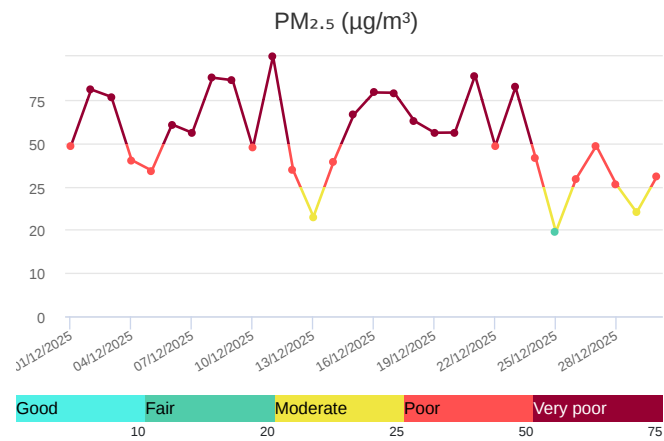
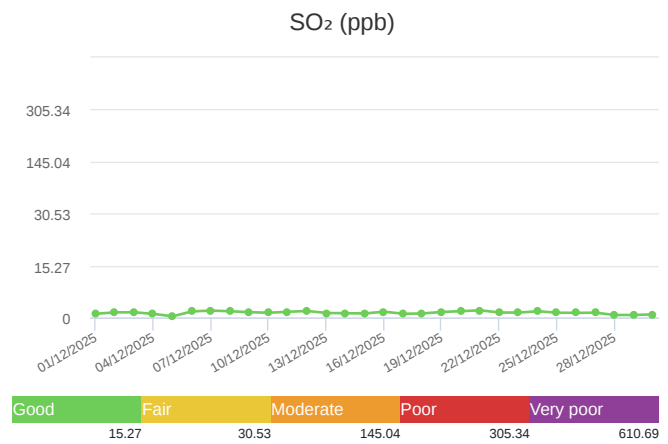
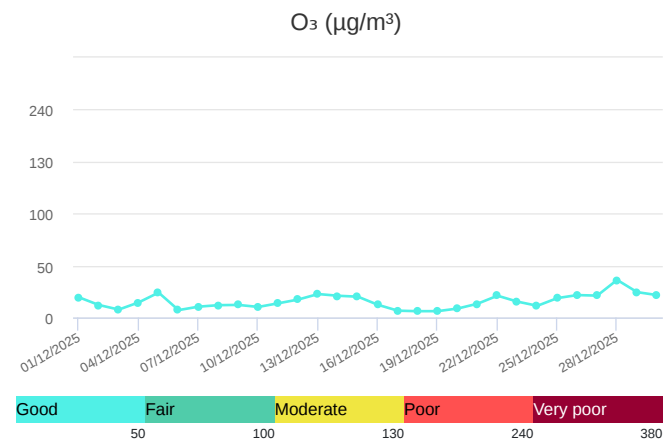
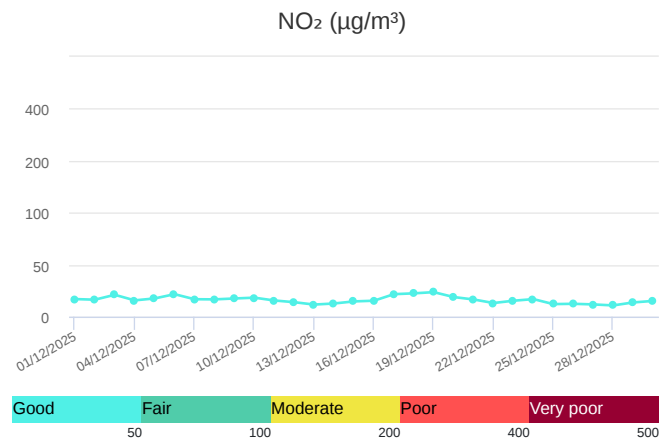
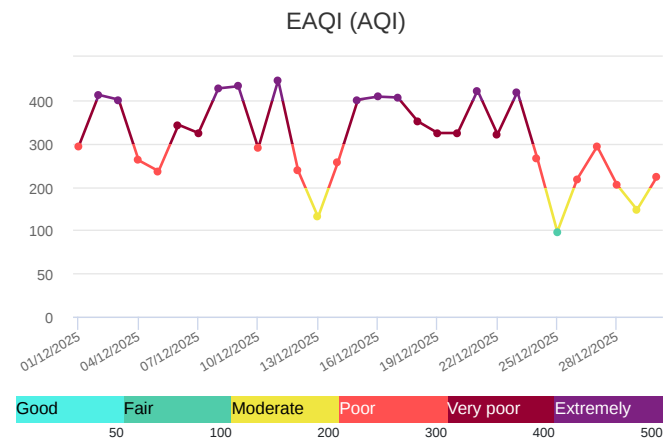
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

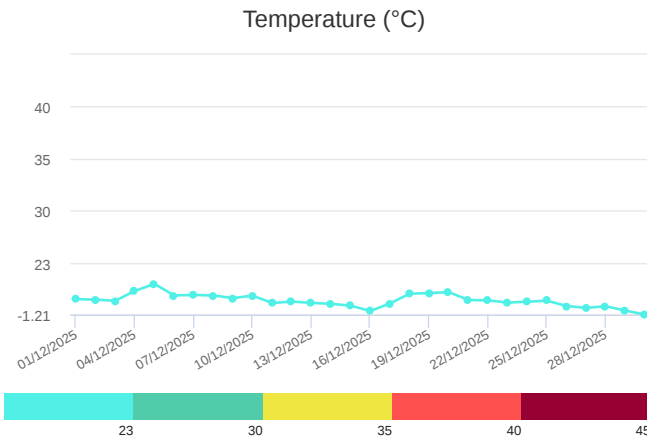
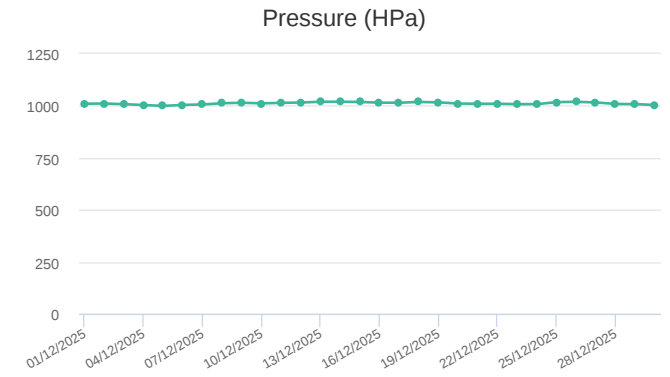
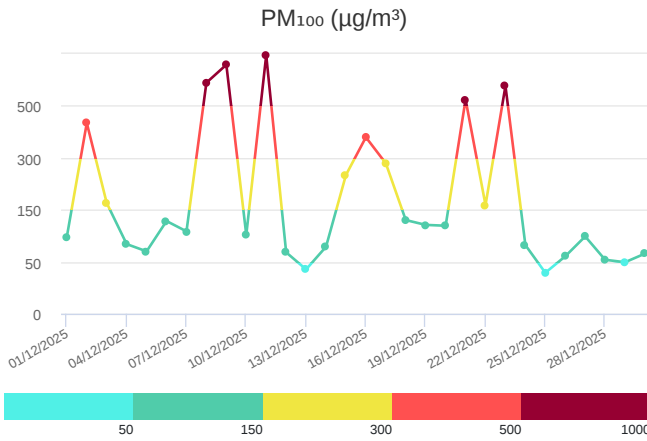
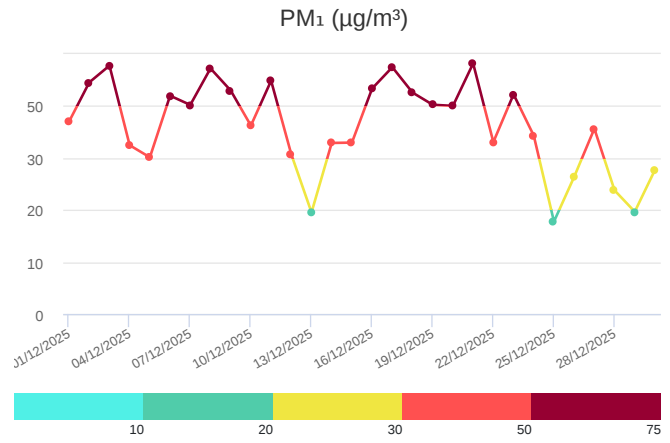
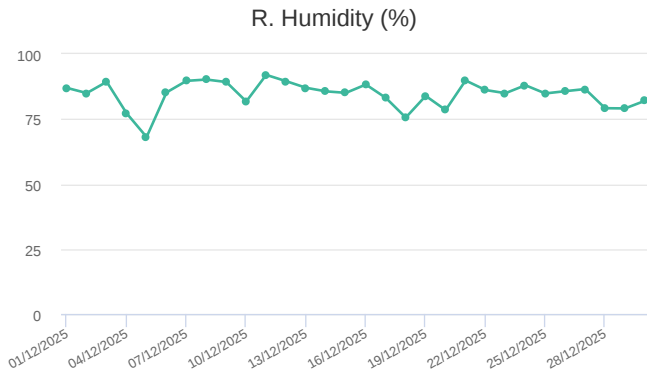
	EAQI AQI	NO ₂ μg/m ³	O ₃ μg/m ³	SO ₂ ppb	PM _{2.5} μg/m ³	PM ₁₀ μg/m ³
Average	401	16.23	15.57	1.41	67.98	163.56
Maximum	446	23.6	36.16	2.11	213.98	636.69
Date	11/12/2025	19/12/2025	28/12/2025	21/12/2025	11/12/2025	11/12/2025
Minimum	98	10.86	6.03	0.35	19.5	36.4
Date	25/12/2025	28/12/2025	18/12/2025	05/12/2025	25/12/2025	25/12/2025

Prezentare generală zilnică: Alți parametri

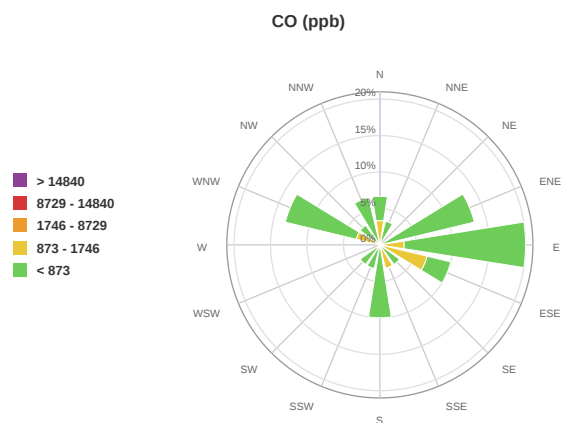
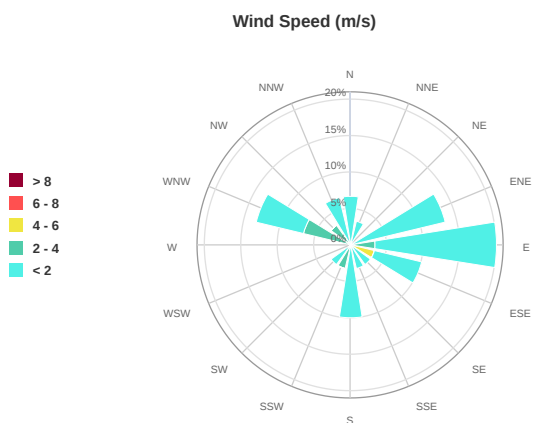
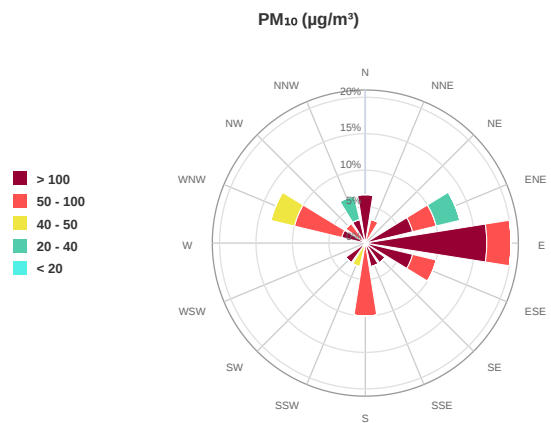
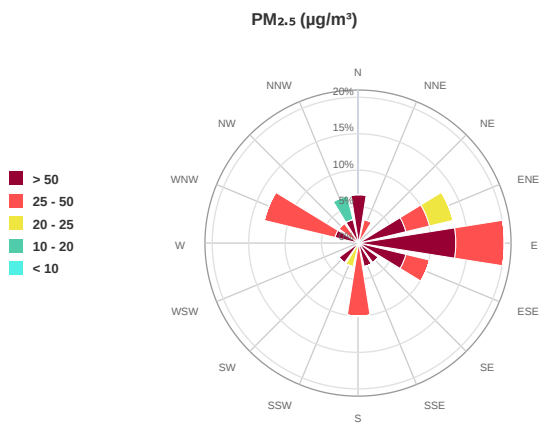
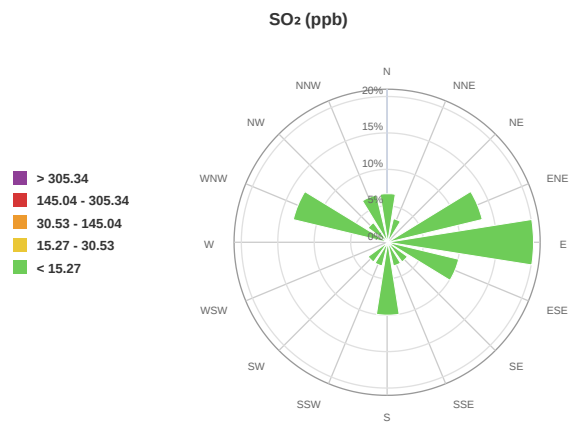
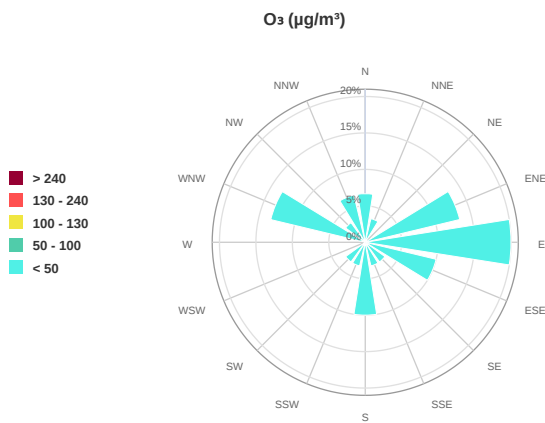
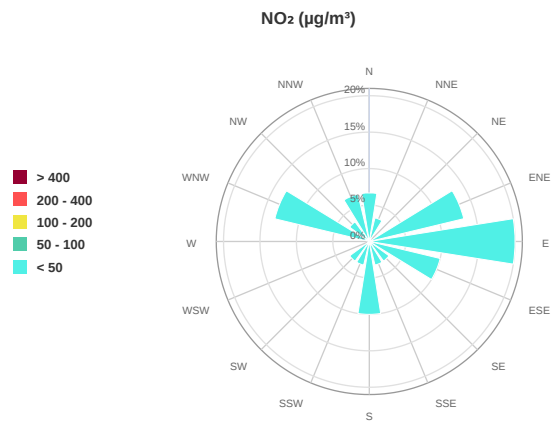
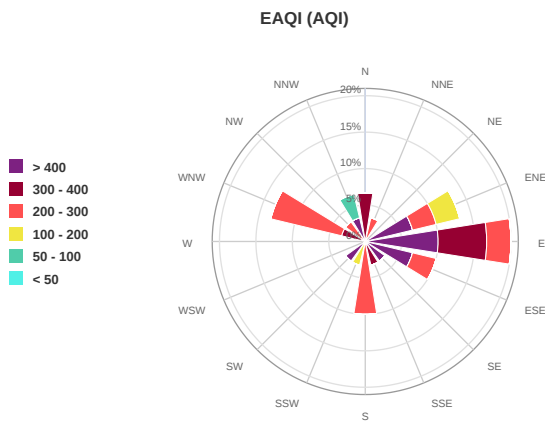
	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ μg/m ³	PM ₁₀₀ μg/m ³	Pressure hPa	Temperature °C
Average	0.32	88.88	100	620.36	84.57	44.66	237.82	1011.82	5.33
Maximum	4.37	112.33	100	1198.85	91.97	70.47	986.4	1019.72	13.07
Date	05/12/2025	05/12/2025	01/12/2025	03/12/2025	11/12/2025	21/12/2025	11/12/2025	14/12/2025	05/12/2025
Minimum	0.09	285.81	100	368.16	68.06	17.77	39.4	999.56	-1.21
Date	20/12/2025	20/12/2025	01/12/2025	26/12/2025	05/12/2025	25/12/2025	25/12/2025	05/12/2025	30/12/2025

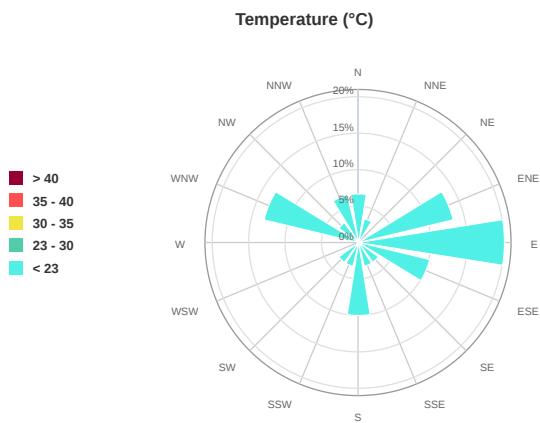
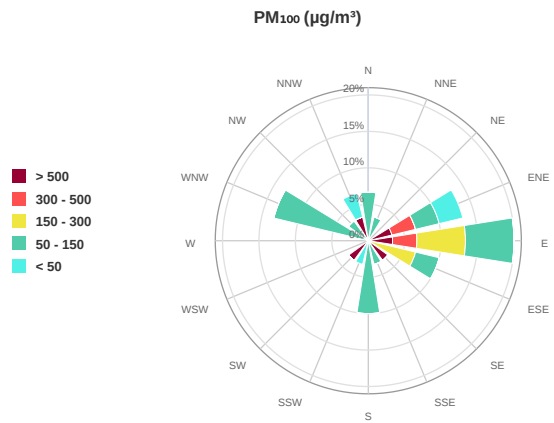
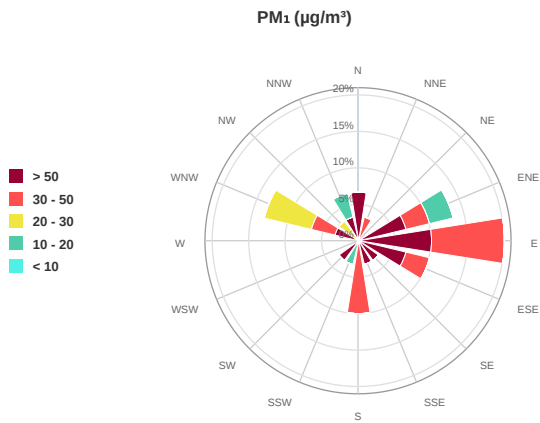
Weekly Average





Weekly Average





Alerte

No alerts for the selected date and time range

Insights

- 30/12/2025, 23:59 **EAQI consistently high, impacting air quality:** The EAQI frequently exceeds 300, indicating 'Very Poor' or 'Extremely Poor' air quality. This poses a significant health risk.
- 30/12/2025, 23:59 **Dominance of poor air quality days:** The majority of days exhibit 'Poor', 'Very Poor', or 'Extremely Poor' EAQI values. Indicates a persistent pollution problem.
- 30/12/2025, 23:59 **Peak PM₁₀ values causing extreme pollution:** PM₁₀ levels frequently surpass 150 µg/m³, reaching 'Extremely Poor' levels. On 2025-12-11 exceeding 600, posing a severe respiratory hazard.
- 30/12/2025, 23:59 **Elevated PM_{2.5} driving poor EAQI readings:** PM_{2.5} concentrations often fall into the 'Poor' to 'Extremely Poor' ranges, significantly influencing the overall EAQI score.
- 30/12/2025, 23:59 **SO₂ remains consistently within 'Good' zone:** SO₂ levels are consistently low, staying within the 'Good' range. This suggests that it is not a major pollutant.
- 30/12/2025, 23:59 **NO₂ concentrations generally 'Fair' to 'Moderate':** NO₂ levels mostly fall within the 'Fair' to 'Moderate' ranges, indicating a moderate contribution to overall air pollution.
- 30/12/2025, 23:59 **O₃ levels primarily in 'Fair' to 'Moderate' zone:** O₃ concentrations are generally within the 'Fair' to 'Moderate' range. Contributing moderately to the overall AQI.
- 19/12/2025, 23:59 **CO levels spike, contributing to poor air quality:** CO levels can reach high values exceeding 1000 ppb, suggesting incomplete combustion sources contribute to pollution.
- 30/12/2025, 23:59 **Low wind speeds correlate with higher pollution:** Lower wind speeds often coincide with higher EAQI, PM_{2.5}, and PM₁₀ values. This suggests pollutant accumulation.
- 30/12/2025, 23:59 **Temperature fluctuations amidst poor air quality:** Temperatures vary between -1.21°C and 13.07°C while the EAQI remains generally poor. Temperature alone doesn't drive the pollution.
- 30/12/2025, 23:59 **High Humidity and poor air quality:** High Relative Humidity (%) may trap pollutants causing further deterioration of air quality as humidity is mostly above 80%
- 11/12/2025, 23:59 **Highest PM₁₀ concentration recorded:** The highest PM₁₀ concentration was on 2025-12-11, recording 636.69 µg/m³. Indicates very poor air quality on that day.
- 25/12/2025, 23:59 **Lowest Air Quality Index Recorded:** Lowest EAQI value of 98 (Fair) was recorded on 2025-12-25. It is still recommended to monitor and improve.
- 28/12/2025, 23:59 **Maximum O₃ recorded:** Highest ozone concentration recorded was 70.99 µg/m³ on 2025-12-28 which is in the Poor zone
- 30/12/2025, 23:59 **Pressure Variation:** Pressure changes have a little correlation with air quality; it may affect dispersion. 1003.66 HPa to 1019.72 HPa.
- 30/12/2025, 23:59 **PM₁ affecting EAQI levels:** PM₁ particle level often exceeded moderate levels, with its highest recorded value on 2025-12-08 at 721.84 µg/m³
- 30/12/2025, 23:59 **Dominating PM Parameters:** PM 2.5, PM 10, and PM₁ Parameters are the pollutants most affecting air quality, having levels at poor or extremely poor levels.
- 30/12/2025, 23:59 **Influence of Wind Direction on Air Quality:** Prevailing wind directions from east (90 degrees) may bring pollutants from a specific source impacting quality.
- 30/12/2025, 23:59 **PM₁₀₀ fluctuation affects PM₁ values:** Fluctuation in PM₁₀₀ has an effect on the PM₁ parameter.
- 30/12/2025, 23:59 **Industrial impact:** CO readings over 1000 suggest industrial activities greatly impacts AQI
- 23/12/2025, 23:59 **Extremely poor air quality peaks:** Days where EAQI reaches the maximum level recorded: 2025-12-02, 2025-12-03, 2025-12-08, 2025-12-09, 2025-12-11, 2025-12-15, 2025-12-16, 2025-12-17, 2025-12-21, 2025-12-23
- 30/12/2025, 23:59 **Poor air quality levels:** Days with poor air quality levels: 2025-12-01, 2025-12-04, 2025-12-05, 2025-12-06, 2025-12-07, 2025-12-10, 2025-12-12, 2025-12-14, 2025-12-18, 2025-12-19, 2025-12-20, 2025-12-22, 2025-12-24, 2025-12-26, 2025-12-27, 2025-12-28, 2025-12-30
- 29/12/2025, 23:59 **Fair and Moderate Levels:** Days with moderate or fair quality levels: 2025-12-13, 2025-12-25, 2025-12-29
- 30/12/2025, 23:59 **Battery health constant:** All reports came back with the battery fully charged
- 30/12/2025, 23:59 **Extreme PM₁₀ fluctuations:** Extreme PM₁₀ fluctuations show wide variation in pollution factors
- 30/12/2025, 23:59 **Correlation of PM_{2.5} and PM₁₀:** Increase in PM_{2.5} has high correlation with the increase in PM₁₀, likely from same source
- 30/12/2025, 23:59 **PM₁ follows PM_{2.5}:** PM₁ generally follows the trend set by PM_{2.5} with variations
- 30/12/2025, 23:59 **Higher the CO, Higher the EAQI:** Increase in CO also means the air is unhealthier to breathe
- 30/12/2025, 23:59 **EAQI driven by PM levels:** EAQI is primarily influenced by PM_{2.5} and PM₁₀, which exceed safety levels
- 30/12/2025, 23:59 **Industrial emissions at play:** CO levels consistently high due to pollution from local industrial emissions.

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
01/12/2025, 23:59	294	16.96	19.43	1.08	48.45	91.82
02/12/2025, 23:59	412	16.34	12.07	1.51	107.68	272.54
03/12/2025, 23:59	401	21.03	7.62	1.53	83.99	158.64
04/12/2025, 23:59	261	15.69	14.52	1.06	40.17	77.24
05/12/2025, 23:59	236	17.54	23.93	0.35	34.08	64.72
06/12/2025, 23:59	343	21.67	7.12	1.78	60.7	117.6
07/12/2025, 23:59	324	16.78	10.41	2.03	55.91	102.94
08/12/2025, 23:59	427	16.65	11.83	1.84	145.55	429.56
09/12/2025, 23:59	432	17.51	12.09	1.55	137.48	482.05
10/12/2025, 23:59	289	18.29	10.13	1.39	47.29	92.81
11/12/2025, 23:59	446	15.61	13.66	1.68	213.98	636.69
12/12/2025, 23:59	237	13.95	17.25	1.91	34.16	63.71
13/12/2025, 23:59	130	11.66	22.54	1.33	21.49	39.9
14/12/2025, 23:59	257	12.72	20.88	1.25	39.26	73.94
15/12/2025, 23:59	401	14.7	20.02	1.19	66.39	161.82
16/12/2025, 23:59	408	15.36	12.21	1.71	98.2	238.39
17/12/2025, 23:59	406	21.65	6.57	1.09	97.2	210.91
18/12/2025, 23:59	351	22.46	6.03	1.19	62.71	120.42
19/12/2025, 23:59	324	23.6	6.11	1.62	55.93	110.41
20/12/2025, 23:59	324	18.92	8.6	1.86	56.06	109.69
21/12/2025, 23:59	422	16.55	13.24	2.11	152.56	378.98
22/12/2025, 23:59	321	13.13	20.94	1.47	48.17	110.59
23/12/2025, 23:59	419	15.37	15.26	1.43	115	346.67
24/12/2025, 23:59	265	16.89	11.25	1.84	41.31	76.95
25/12/2025, 23:59	98	12.09	18.65	1.4	19.5	36.4
26/12/2025, 23:59	218	12.38	21.57	1.36	29.4	56.2
27/12/2025, 23:59	293	11.82	21.04	1.41	48.34	90.93
28/12/2025, 23:59	204	10.86	36.16	0.74	25.89	49.5
29/12/2025, 23:59	147	13.68	24.42	0.73	21.98	44.74
30/12/2025, 23:59	223	15.15	21.53	0.92	30.71	60.17

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
01/12/2025, 23:59	0.68	169.03	100	574.08	86.97	44.01	98.15	1010.06	5.96
02/12/2025, 23:59	1.4	86.76	100	705.3	84.97	61.35	433.74	1010.91	5.74
03/12/2025, 23:59	1.45	104.86	100	1198.85	89.31	69.43	169.3	1007.95	5.21
04/12/2025, 23:59	2.89	97.74	100	706.99	77.17	34.89	83.96	1003.66	9.79
05/12/2025, 23:59	4.37	112.33	100	623.79	68.06	30.26	70.04	999.56	13.07
06/12/2025, 23:59	0.52	357.51	100	887.74	85.23	54.96	128.3	1004.25	7.7
07/12/2025, 23:59	1.14	351.14	100	473.72	89.67	50.52	108.46	1006.59	7.93
08/12/2025, 23:59	1.73	344.76	100	538.77	90.18	68.07	721.84	1012.35	7.67
09/12/2025, 23:59	1.24	144.6	100	602.36	89.22	57.46	895.11	1014.61	6.46
10/12/2025, 23:59	0.84	175.24	100	744.02	81.75	42.46	101.7	1011.84	7.58
11/12/2025, 23:59	0.93	225.89	100	539.46	91.97	62.16	986.4	1014.04	4.16
12/12/2025, 23:59	0.41	188.65	100	407.89	89.55	31.41	68.12	1015.85	4.83
13/12/2025, 23:59	0.36	62.19	100	370.75	87.01	19.53	42.63	1019.38	4.21
14/12/2025, 23:59	0.13	22.36	100	408.48	85.63	35.79	78.88	1019.72	3.8
15/12/2025, 23:59	1.31	96.42	100	519.06	85.06	35.92	250.51	1018.49	2.9
16/12/2025, 23:59	1.37	75.3	100	705.23	88.26	58.39	379.06	1015.1	0.44
17/12/2025, 23:59	0.86	119.44	100	1141.86	83.13	68.68	283.95	1014.66	3.97
18/12/2025, 23:59	1.12	163.46	100	1031.64	75.55	56.45	130.24	1018.62	8.48
19/12/2025, 23:59	1.09	81.76	100	897.7	83.88	50.6	120.85	1016.37	8.79
20/12/2025, 23:59	0.09	285.81	100	881.19	78.44	50.06	119.31	1010.84	9.23
21/12/2025, 23:59	0.19	97.02	100	531.12	89.82	70.47	559.87	1009.76	5.57
22/12/2025, 23:59	1.42	83.99	100	405.86	86.15	36.12	163.64	1010.1	5.38
23/12/2025, 23:59	1.34	73.98	100	693.43	84.93	55.59	690.72	1007.79	4.35
24/12/2025, 23:59	1.55	57.1	100	558.47	87.99	38.62	82.12	1008.12	4.75
25/12/2025, 23:59	1.34	340.14	100	397.73	84.83	17.77	39.4	1017.7	5.25
26/12/2025, 23:59	2.03	318.13	100	368.16	85.7	26.37	60.55	1019.22	2.76
27/12/2025, 23:59	1.06	301.03	100	393.09	86.52	41.29	98.66	1016.06	1.92
28/12/2025, 23:59	2.67	298.55	100	401.64	79.15	23.77	53.77	1008.94	2.67
29/12/2025, 23:59	3.13	202.53	100	418.81	79.07	19.67	49.56	1007.99	0.6
30/12/2025, 23:59	2.75	282.2	100	483.55	82.01	27.71	65.69	1004.03	-1.21

Oizom will not be responsible for Environmental Data accuracy once Validated