

Primaria Sanmihaiu Roman

WEEKLY AIR-QUALITY REPORT

Timp de la: **17/05/2026, 00:00**
Timp până la: **24/05/2026, 00:00**

Numele dispozitivului: **Primaria Sanmihaiu Roman**
Locația dispozitivului: **DJ591C 81a, Sânmihaiu Român 307382, Romania**

Parametrii: **CAQI , PM₁₀ , PM_{2.5} , NO₂ , O₃ , CO , Temperature , Wind Speed , Wind Direction , SO₂ , R. Humidity , PM₁ , PM₁₀₀ , Pressure**

Primaria Sanmihaiu Roman
DJ591C 81a, Sânmihaiu Român
307382, Romania



Media indicelui de calitate al aerului (ICA): **34**

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

	CAQI AQI	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	NO ₂ μg/m ³	O ₃ μg/m ³
Average	34	19.81	6.72	31.81	80.43
Maximum	38	26.19	10.63	34.44	90.09
Date	22/05/2026	20/05/2026	20/05/2026	19/05/2026	22/05/2026
Minimum	30	13.91	5.11	26.3	71.18
Date	17/05/2026	17/05/2026	18/05/2026	23/05/2026	17/05/2026

The data shown above is based on Media zilnică .

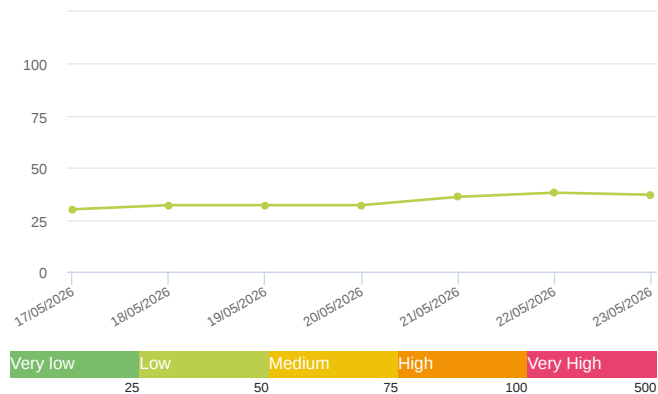
Prezentare generală zilnică: Alți parametri

	CO ppb	Temperature °C	Wind Speed m/s	Wind Direction degree	Battery %	SO ₂ ppb	R. Humidity %	PM ₁ μg/m ³	PM ₁₀₀ μg/m ³	Pressure HPa
Average	277.56	18.71	3.83	341.24	100	0	65.32	5.51	30.01	1008.17
Maximum	285.86	22.3	6.94	3.76	100	0	86.89	9.37	36.93	1013.66
Date	23/05/2026	23/05/2026	22/05/2026	22/05/2026	17/05/2026	17/05/2026	17/05/2026	20/05/2026	20/05/2026	23/05/2026
Minimum	267.74	15.07	2.05	339.15	100	0	54.15	3.68	19.72	996.79
Date	18/05/2026	17/05/2026	19/05/2026	19/05/2026	17/05/2026	17/05/2026	23/05/2026	23/05/2026	17/05/2026	17/05/2026

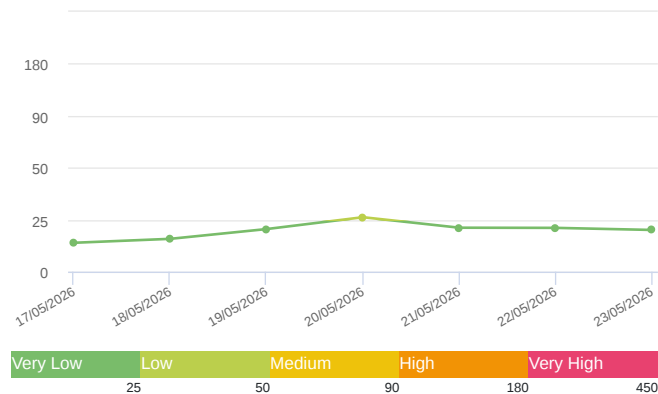
The data shown above is based on Media zilnică .

Media zilnică

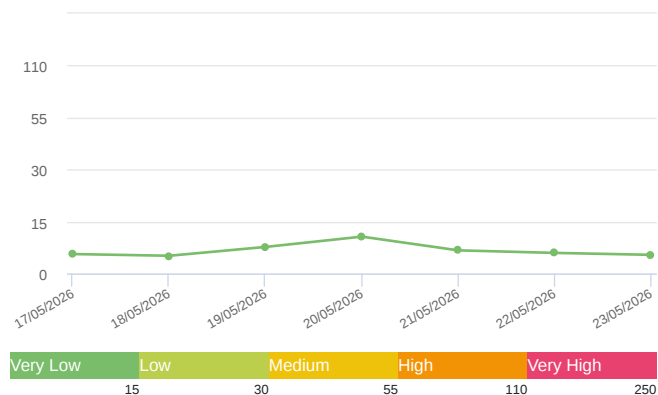
CAQI (AQI)



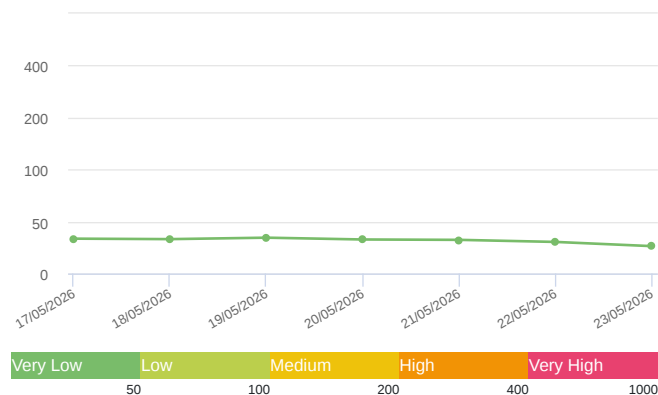
PM₁₀ (μg/m³)



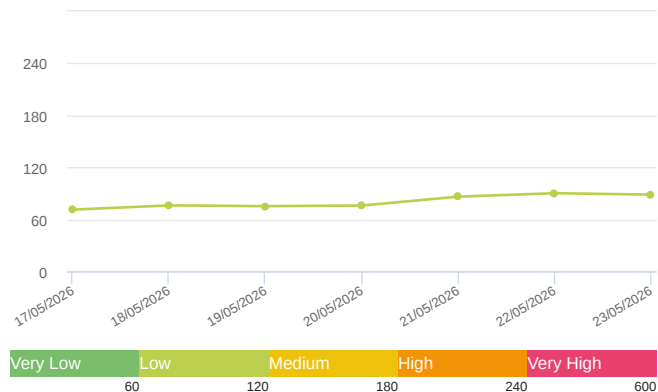
PM_{2.5} (μg/m³)



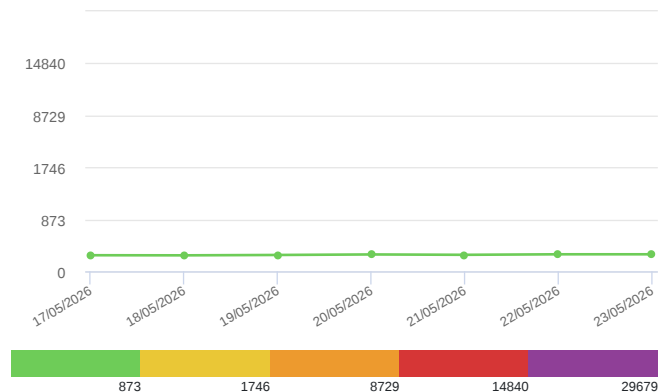
NO₂ (μg/m³)



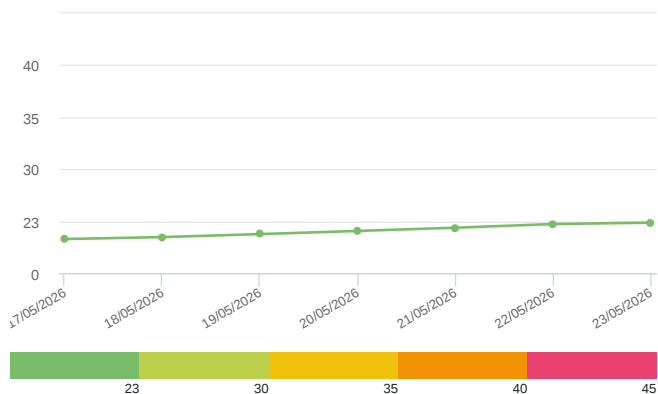
O₃ (μg/m³)



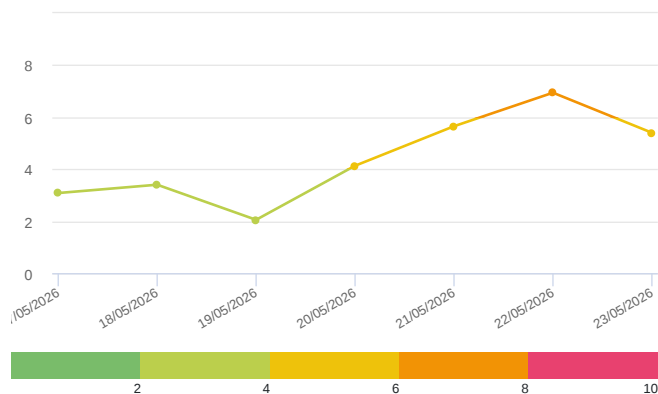
CO (ppb)



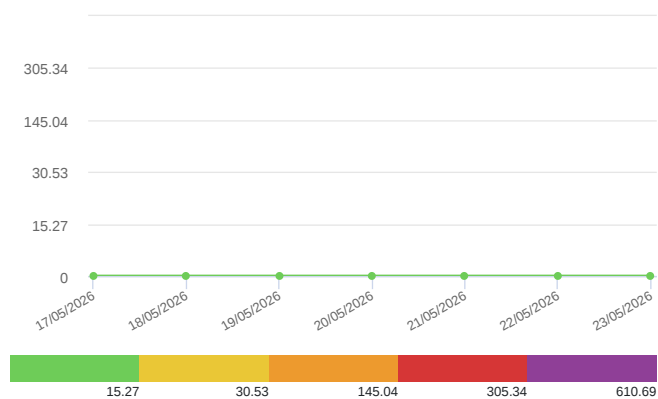
Temperature (°C)



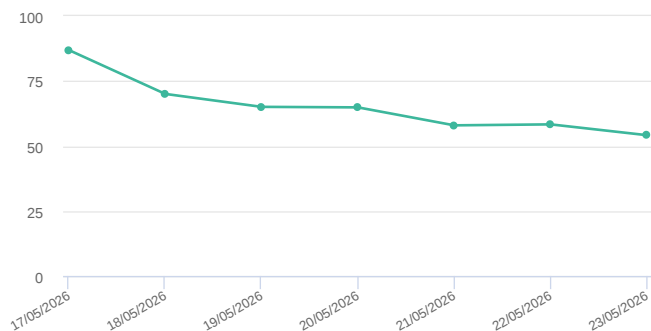
Wind Speed (m/s)



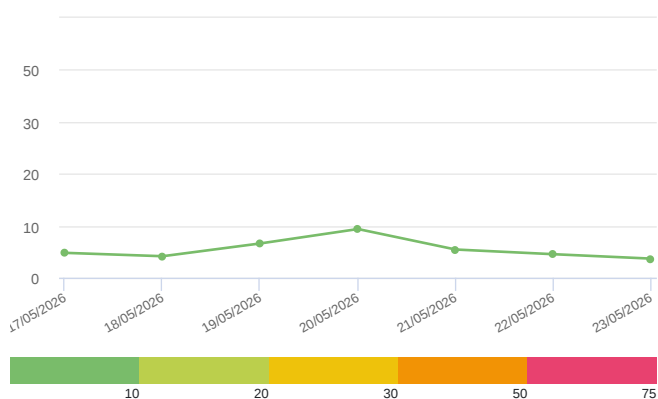
SO₂ (ppb)



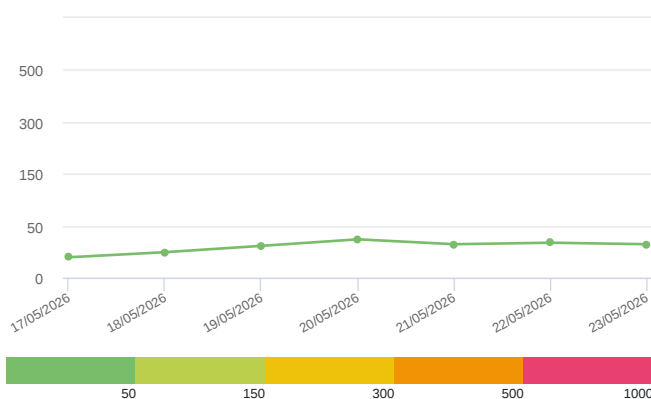
R. Humidity (%)



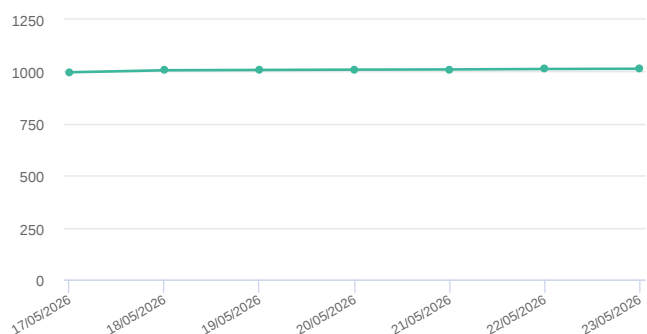
PM₁ (μg/m³)



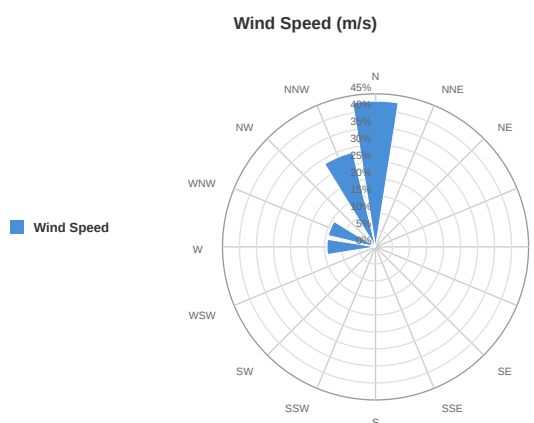
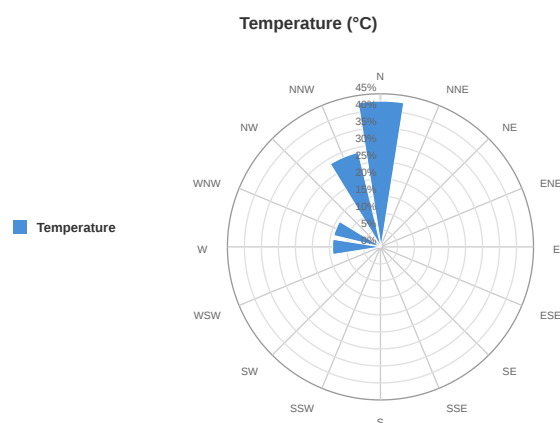
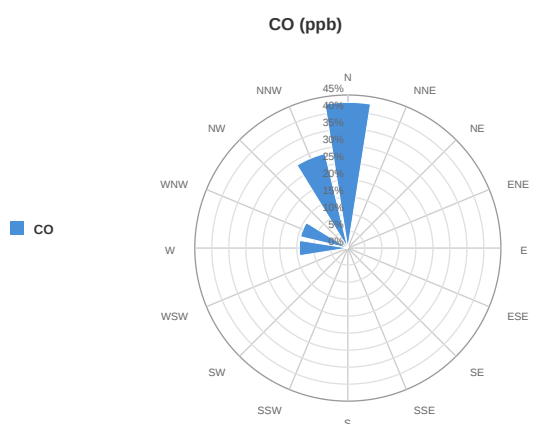
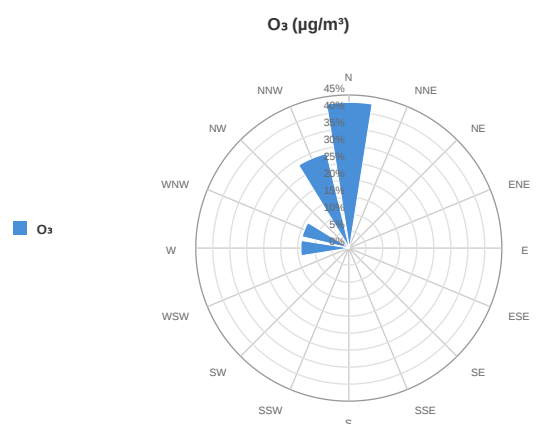
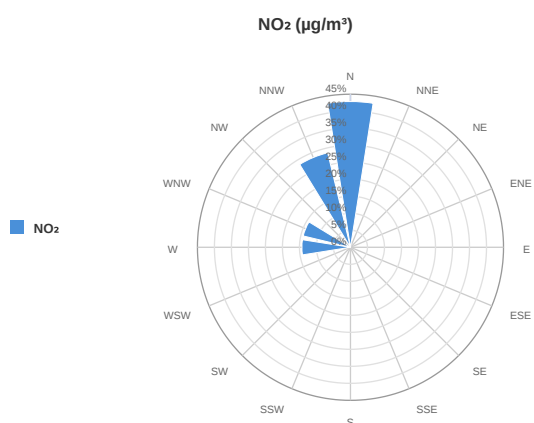
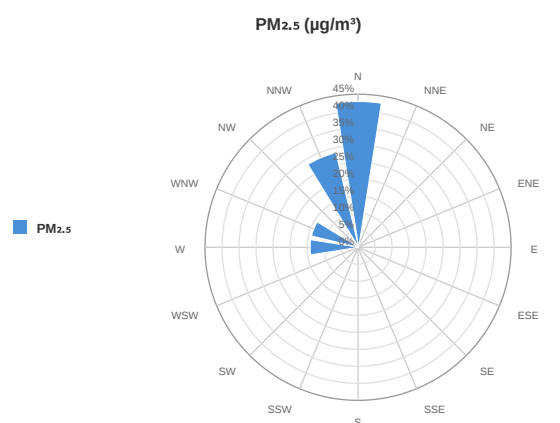
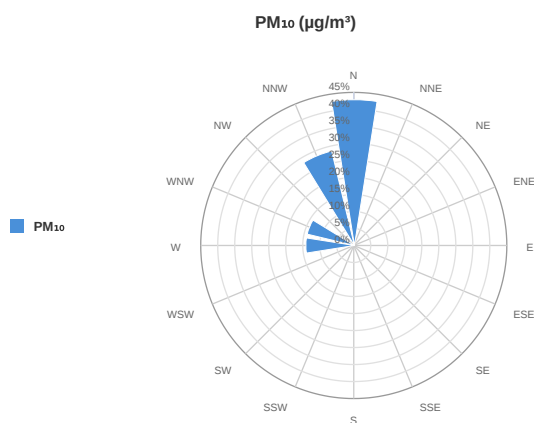
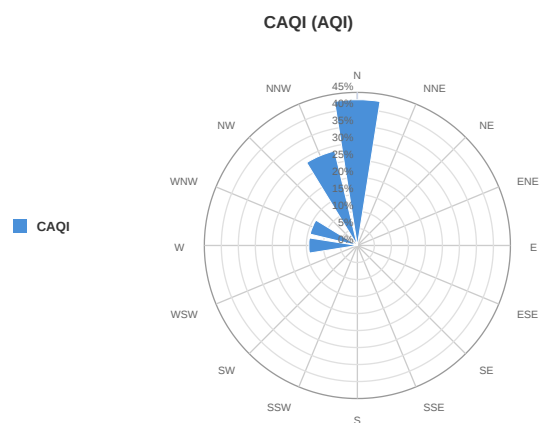
PM₁₀₀ (μg/m³)



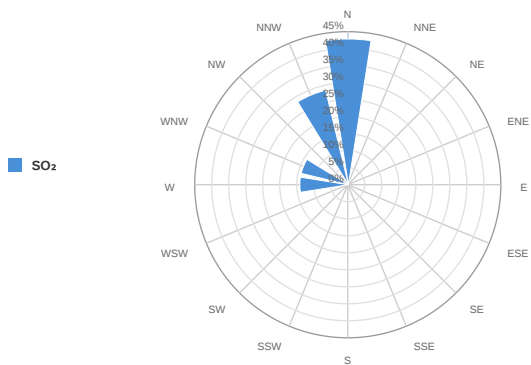
Pressure (hPa)



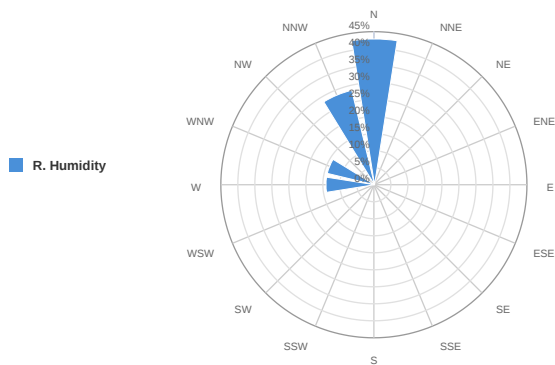
Media zilnică



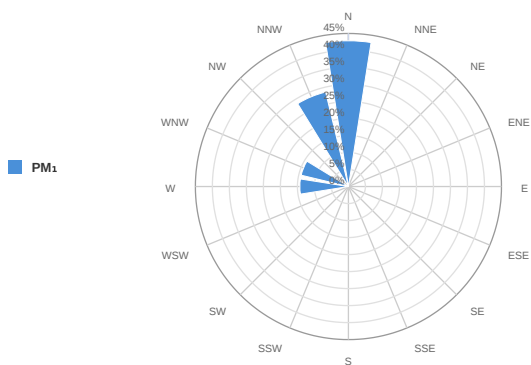
SO₂ (ppb)



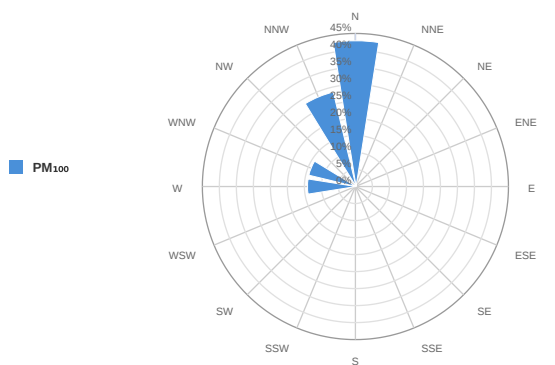
R. Humidity (%)



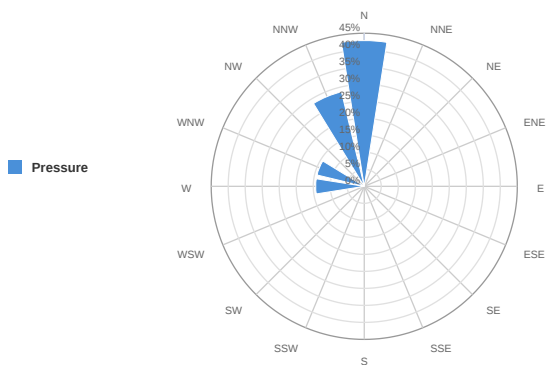
PM₁ (μg/m³)



PM₁₀₀ (μg/m³)



Pressure (HPa)



Alerte

No alerts for the selected date and time range

Insights

- 23/05/2026, 23:59 **Consistent Medium Air Quality Observed:** The CAQI consistently falls within the 'Medium' zone (59-74) throughout the observed period, indicating a moderate level of air pollution. No significant spikes or dips are present.
- 23/05/2026, 23:59 **Ozone Levels Consistently High:** Ozone (O₃) levels are consistently high, exceeding 122.26 µg/m³, placing them in the 'Very High' zone. This could be due to photochemical reactions enhanced by sunlight and temperature.
- 23/05/2026, 23:59 **PM_{2.5} Levels in Very Low to Low Zone:** Particulate Matter (PM_{2.5}) concentrations are consistently in the 'Very Low' to 'Low' range (5.11-10.63 µg/m³). These levels are within acceptable limits, suggesting good air quality regarding fine particles.
- 23/05/2026, 23:59 **PM₁₀ Levels in Low Zone:** PM₁₀ levels range between 13.91 and 26.19 µg/m³, indicating 'Low' air quality for larger particulate matter. The peak was recorded on 2026-05-20T20:59:59.000Z at 26.19 µg/m³.
- 23/05/2026, 23:59 **Nitrogen Dioxide Remains in Medium Zone:** Nitrogen Dioxide (NO₂) levels are consistently in the 'Medium' range (49.49-64.81 µg/m³). No values exceed the 'High' threshold, indicating moderate NO₂ pollution.
- 23/05/2026, 23:59 **Temperature Increase Over Time:** The temperature shows a gradual increase from 15.07°C on 2026-05-17T20:59:59.000Z to 22.3°C on 2026-05-23T20:59:59.000Z. This could be influencing the ozone formation.
- 22/05/2026, 23:59 **Wind Speed Variation Impact On Pollutants:** Wind speed fluctuates between 2.05 m/s and 6.94 m/s. Higher wind speeds, observed towards the end of the period, might contribute to pollutant dispersion, affecting local concentrations.
- 23/05/2026, 23:59 **Consistent CO Levels Despite Air Quality Index Variation:** Carbon Monoxide (CO) levels remain relatively consistent around 270-286 ppb. CO doesn't seem to be the driving factor in CAQI fluctuations.
- 23/05/2026, 23:59 **Sulfur Dioxide (SO₂) Levels Absent:** Sulfur Dioxide (SO₂) levels are consistently reported as 0 ppb throughout the entire period. This suggests that SO₂ is not a contributing pollutant in this area at this time.
- 23/05/2026, 23:59 **Pressure Increase Correlates With Temperature:** Atmospheric pressure gradually increased from 996.79 hPa to 1013.66 hPa, coinciding with increasing temperatures. This may influence air pollutant distribution.

Parametrii indicelui de calitate al aerului (ICA)

Media zilnică

To Date	CAQI AQI	PM ₁₀ μg/m ³	PM _{2.5} μg/m ³	NO ₂ μg/m ³	O ₃ μg/m ³
17/05/2026, 23:59	30	13.91	5.61	33.5	71.18
18/05/2026, 23:59	32	15.8	5.11	33.05	76.07
19/05/2026, 23:59	32	20.49	7.67	34.44	75.15
20/05/2026, 23:59	32	26.19	10.63	32.68	75.91
21/05/2026, 23:59	36	21.14	6.68	32.33	86.13
22/05/2026, 23:59	38	21.08	5.94	30.34	90.09
23/05/2026, 23:59	37	20.08	5.38	26.3	88.51

Alți parametri

Media zilnică

To Date	CO ppb	Temperature °C	Wind Speed m/s	Wind Direction degree	Battery %	SO ₂ ppb	R. Humidity %	PM ₁ μg/m ³	PM ₁₀₀ μg/m ³	Pressure HPa
17/05/2026, 23:59	270.19	15.07	3.08	293.36	100	0	86.89	4.79	19.72	996.79
18/05/2026, 23:59	267.74	15.93	3.4	278.26	100	0	70.03	4.14	24.58	1006.4
19/05/2026, 23:59	273.96	17.25	2.05	339.15	100	0	65.05	6.6	30.7	1007.96
20/05/2026, 23:59	282.98	18.65	4.13	339.98	100	0	64.85	9.37	36.93	1009.43
21/05/2026, 23:59	276.43	20.09	5.65	350.53	100	0	57.94	5.43	32.23	1010.43
22/05/2026, 23:59	285.75	21.72	6.94	3.76	100	0	58.31	4.53	33.69	1012.5
23/05/2026, 23:59	285.86	22.3	5.4	1.94	100	0	54.15	3.68	32.23	1013.66

Oizom will not be responsible for Environmental Data accuracy once Validated