

Primaria Lugoj (Gradinita Nr.5)

WEEKLY AIR-QUALITY REPORT

Timp de la: **18/01/2026, 00:00**
 Timp până la: **24/01/2026, 23:59**

Numele dispozitivului: **Primaria Lugoj (Gradinita Nr.5)**
 Locația dispozitivului: **Str. Ceahlăului 19, Lugoj 305500, 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): **231**

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	231	12.92	23.9	2.5	31.91	65
Maximum	272	21	33.46	2.52	42.81	84.9
Date	22/01/2026	22/01/2026	18/01/2026	24/01/2026	22/01/2026	22/01/2026
Minimum	75	2.05	15.11	2.47	14.76	29.92
Date	24/01/2026	24/01/2026	23/01/2026	19/01/2026	24/01/2026	24/01/2026

Prezentare generală zilnică: Alți parametri

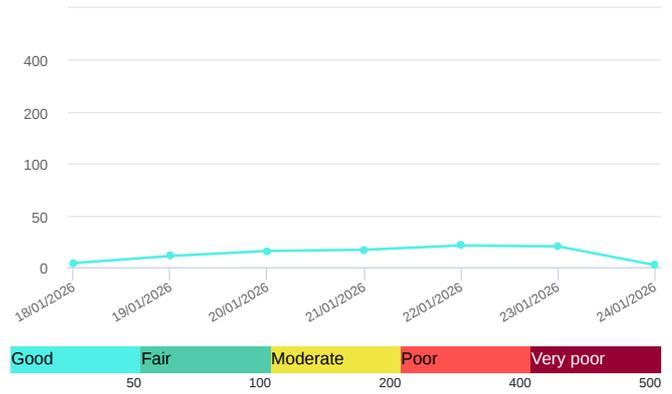
	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ μg/m ³	PM ₁₀₀ μg/m ³	Pressure HPa	Temperature °C
Average	1.47	122.24	100	561.51	70.08	29.02	77.64	1007.42	0.8
Maximum	2.71	129.2	100	690.81	72.37	39.92	96.49	1024.28	6.59
Date	24/01/2026	24/01/2026	18/01/2026	23/01/2026	23/01/2026	22/01/2026	22/01/2026	19/01/2026	24/01/2026
Minimum	0.68	129.26	100	358.31	66.03	11.9	34.85	992.41	-3.05
Date	22/01/2026	22/01/2026	18/01/2026	24/01/2026	22/01/2026	24/01/2026	24/01/2026	23/01/2026	19/01/2026

Media zilnică

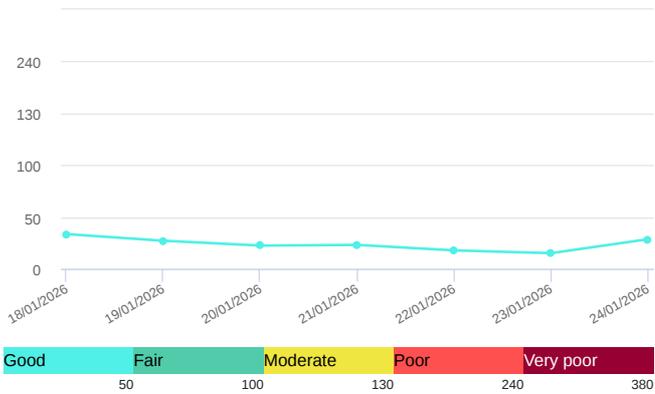
EAQI (AQI)



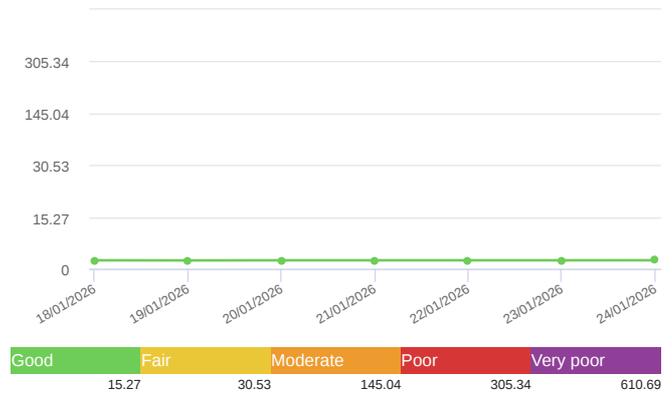
NO₂ (µg/m³)



O₃ (µg/m³)



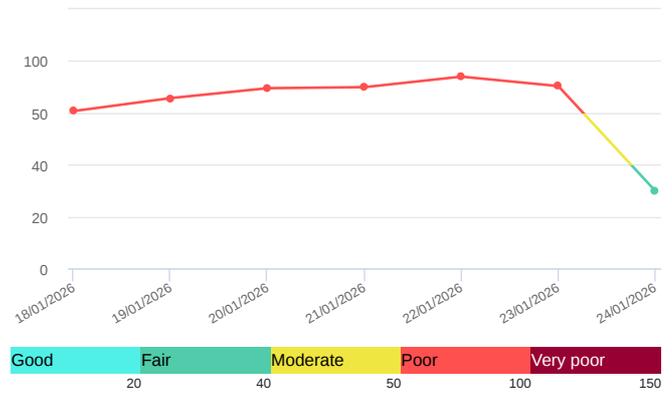
SO₂ (ppb)



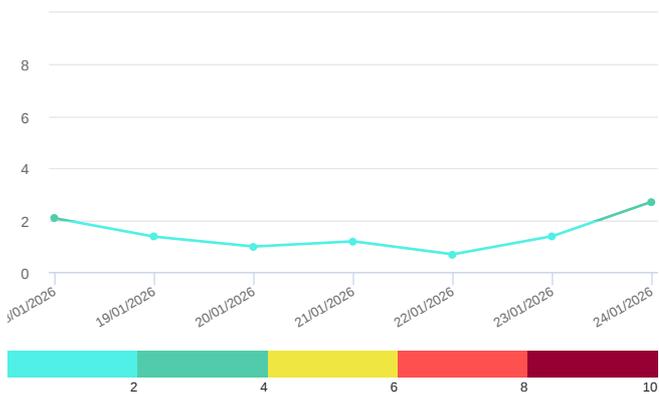
PM_{2.5} (µg/m³)



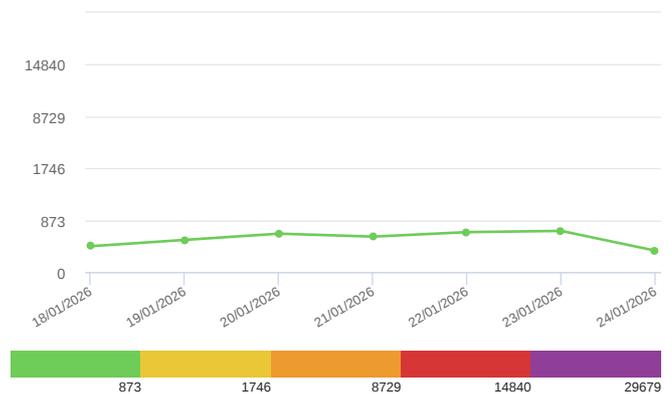
PM₁₀ (µg/m³)

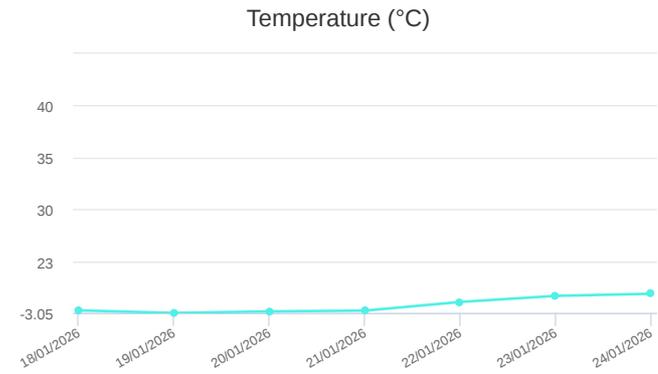
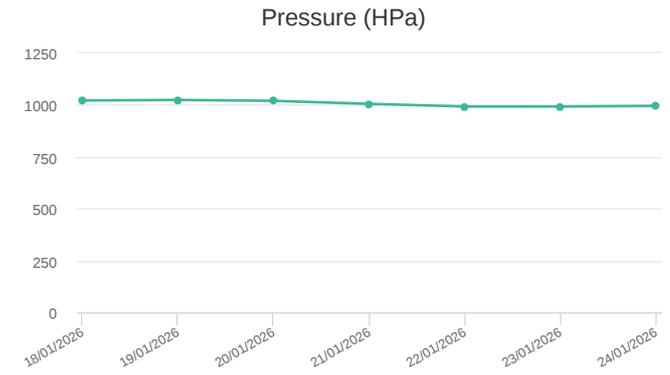
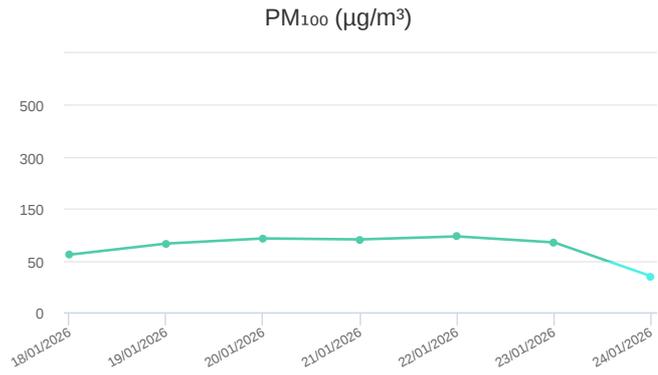
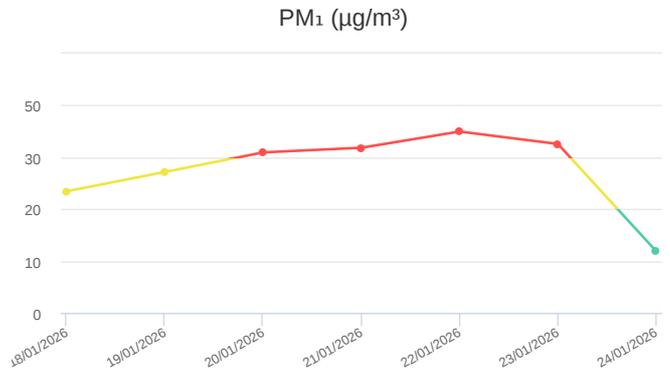
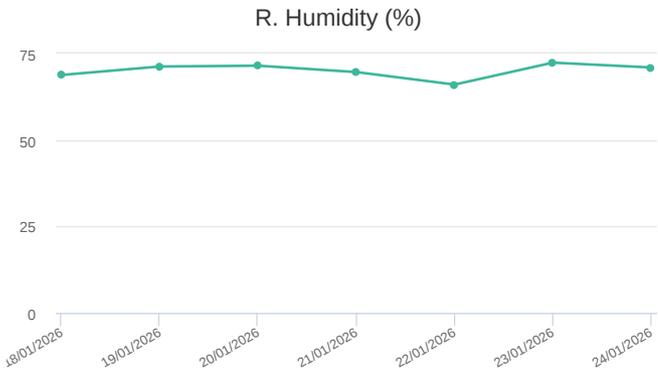


Wind Speed (m/s)



CO (ppb)

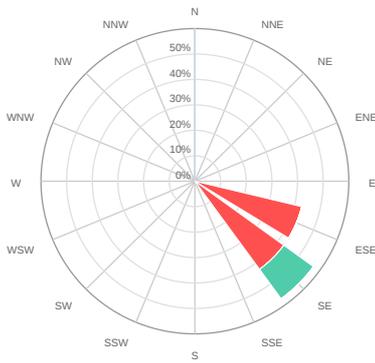




Media zilnică

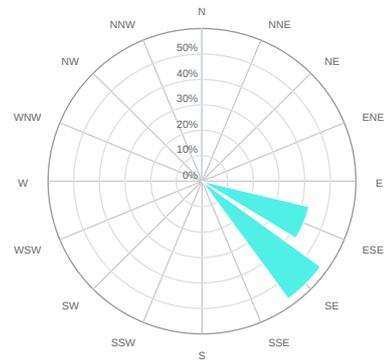
EAQI (AQI)

- > 400
- 300 - 400
- 200 - 300
- 100 - 200
- 50 - 100
- < 50



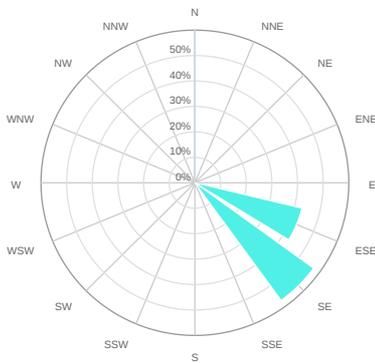
NO₂ (µg/m³)

- > 400
- 200 - 400
- 100 - 200
- 50 - 100
- < 50



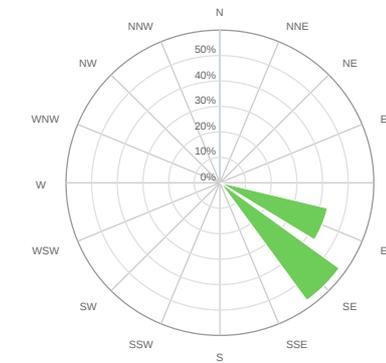
O₃ (µg/m³)

- > 240
- 130 - 240
- 100 - 130
- 50 - 100
- < 50



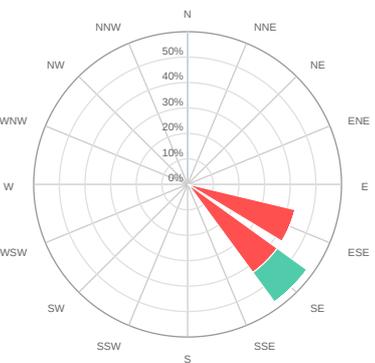
SO₂ (ppb)

- > 305.34
- 145.04 - 305.34
- 30.53 - 145.04
- 15.27 - 30.53
- < 15.27



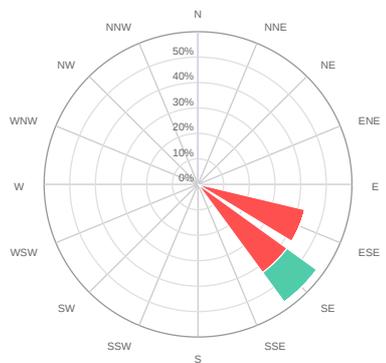
PM_{2.5} (µg/m³)

- > 50
- 25 - 50
- 20 - 25
- 10 - 20
- < 10



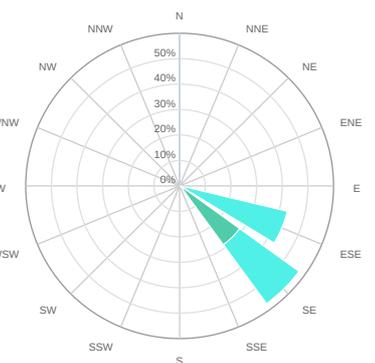
PM₁₀ (µg/m³)

- > 100
- 50 - 100
- 40 - 50
- 20 - 40
- < 20



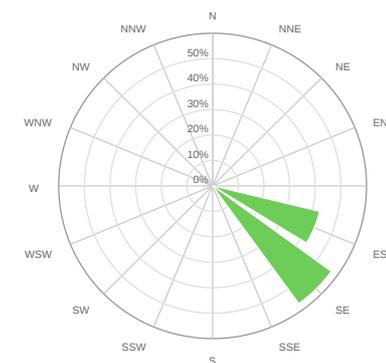
Wind Speed (m/s)

- > 8
- 6 - 8
- 4 - 6
- 2 - 4
- < 2



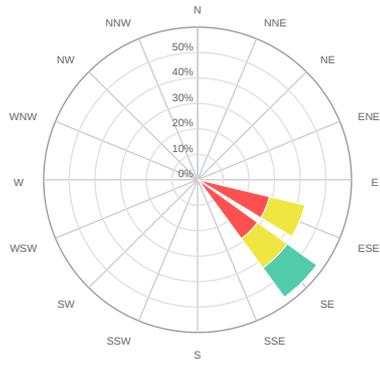
CO (ppb)

- > 14840
- 8729 - 14840
- 1746 - 8729
- 873 - 1746
- < 873



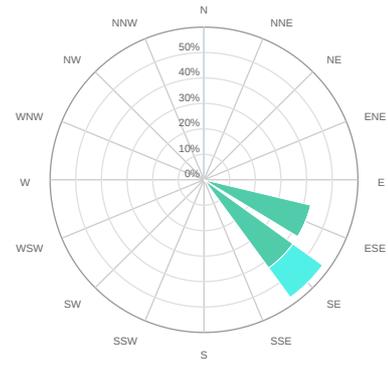
PM₁ (µg/m³)

- > 50
- 30 - 50
- 20 - 30
- 10 - 20
- < 10



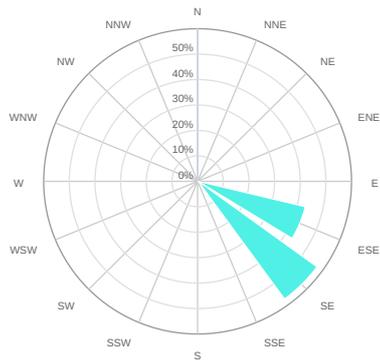
PM₁₀₀ (µg/m³)

- > 500
- 300 - 500
- 150 - 300
- 50 - 150
- < 50



Temperature (°C)

- > 40
- 35 - 40
- 30 - 35
- 23 - 30
- < 23



Alerte

No alerts for the selected date and time range

Insights

- 23/01/2026, 23:59 **Dominance of 'Poor' Air Quality Days:** The EAQI values indicate a consistent 'Poor' air quality from 2026-01-18 to 2026-01-23, with values ranging from 205 to 272, well above the threshold of 200 for the 'Moderate' zone.
- 23/01/2026, 23:59 **PM_{2.5} Concentrations Exceeding 'Poor' Thresholds:** PM_{2.5} levels frequently exceeded the 'Poor' threshold (25 µg/m³) between 2026-01-18 and 2026-01-23, reaching a peak of 42.81 µg/m³, indicating a potential health hazard.
- 23/01/2026, 23:59 **PM₁₀ Concentrations Frequently in 'Poor' Range:** PM₁₀ concentrations also showed elevated levels, frequently residing in the 'Poor' range (50.01-100 µg/m³). On 2026-01-22, PM₁₀ reached 84.9 µg/m³, further deteriorating the air quality.
- 23/01/2026, 23:59 **Elevated CO (ppb) Concentrations During Poor Air Quality:** CO levels were significantly higher during periods of 'Poor' air quality. CO (ppb) was above 500 ppb between 2026-01-19 and 2026-01-23 reaching 690.81 ppb at one point.
- 24/01/2026, 23:59 **Improvement in Air Quality on 2026-01-24:** There was a notable improvement in air quality on 2026-01-24, with the EAQI dropping to 75 ('Fair'), PM_{2.5} decreasing to 14.76 µg/m³, and PM₁₀ falling to 29.92 µg/m³.
- 23/01/2026, 23:59 **Impact of Wind Speed on Air Quality:** Lower wind speeds (below 1.5 m/s) coincided with poorer air quality, suggesting that pollutant dispersion was limited, contributing to the high concentrations of PM_{2.5} and PM₁₀.
- 24/01/2026, 23:59 **NO₂ Levels Predominantly in 'Good' to 'Fair' Zones:** Despite poor overall air quality, NO₂ levels remained mostly in the 'Good' to 'Fair' zones, suggesting that other pollutants primarily drive the high EAQI values. On 2026-01-18, the value was at its lowest, 7.41.
- 24/01/2026, 23:59 **O₃ Levels mostly in 'Moderate' Zone:** O₃ levels were generally in the 'Moderate' range. The levels are between 29.66 and 65.69 µg/m³, which is not a major contributor to poor air quality
- 24/01/2026, 23:59 **SO₂ Levels Consistently in 'Good' Zone:** SO₂ levels consistently remained in the 'Good' zone (below 38.17 ppb), indicating that SO₂ pollution is not a significant concern in this period.
- 24/01/2026, 23:59 **Temperature's influence on air pollution:** Low temperatures appear to correlate with 'Poor' air quality, potentially due to increased heating activities. Note how temperatures increased from -3.05 to 6.59 °C when the EAQI improved to 75.

Parametrii indicelui de calitate al aerului (ICA)

Media zilnică

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
18/01/2026, 23:59	205	3.94	33.46	2.51	26.03	51.68
19/01/2026, 23:59	229	10.87	27.04	2.47	29.96	64.2
20/01/2026, 23:59	248	15.71	22.39	2.51	35.02	73.77
21/01/2026, 23:59	250	16.85	23.03	2.51	36.36	74.76
22/01/2026, 23:59	272	21	17.74	2.51	42.81	84.9
23/01/2026, 23:59	254	20.04	15.11	2.5	38.46	75.79
24/01/2026, 23:59	75	2.05	28.56	2.52	14.76	29.92

Alți parametri

Media zilnică

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
18/01/2026, 23:59	2.07	124.53	100	433.16	68.81	23.45	61.27	1021.76	-1.78
19/01/2026, 23:59	1.36	115.72	100	539.15	71.26	27.17	82.68	1024.28	-3.05
20/01/2026, 23:59	0.98	103.94	100	644.66	71.49	31.88	92.62	1019.96	-2.27
21/01/2026, 23:59	1.18	114.93	100	594.13	69.64	33.69	90.68	1005.42	-1.89
22/01/2026, 23:59	0.68	129.26	100	670.37	66.03	39.92	96.49	992.6	2.47
23/01/2026, 23:59	1.38	127.19	100	690.81	72.37	35.13	84.91	992.41	5.53
24/01/2026, 23:59	2.71	129.2	100	358.31	70.98	11.9	34.85	995.53	6.59

Oizom will not be responsible for Environmental Data accuracy once Validated