

Primaria Buzias (Sala Sport)

MONTHLY AIR-QUALITY REPORT

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

Numele dispozitivului: **Primaria Buzias (Sala Sport)**
Locația dispozitivului: **Strada Principală 10, Buziaș 305100, 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): **213**

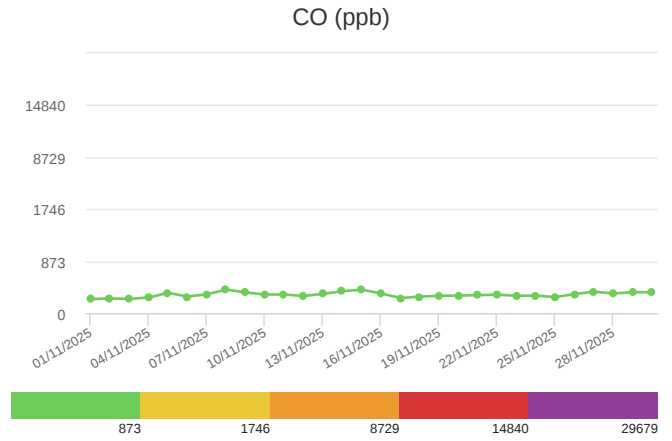
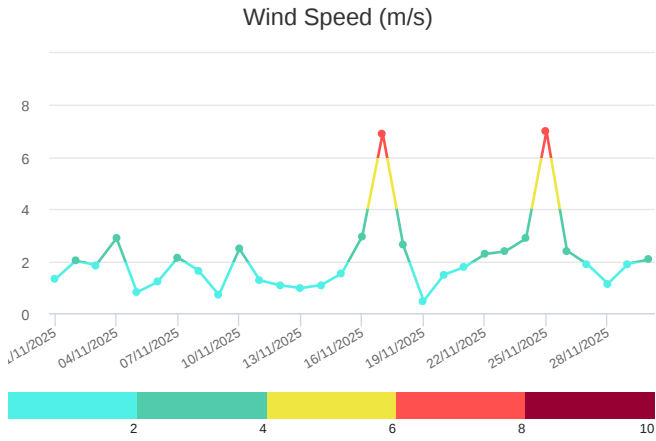
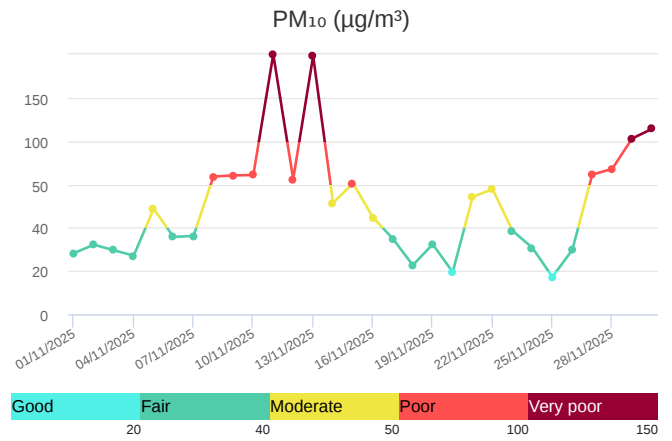
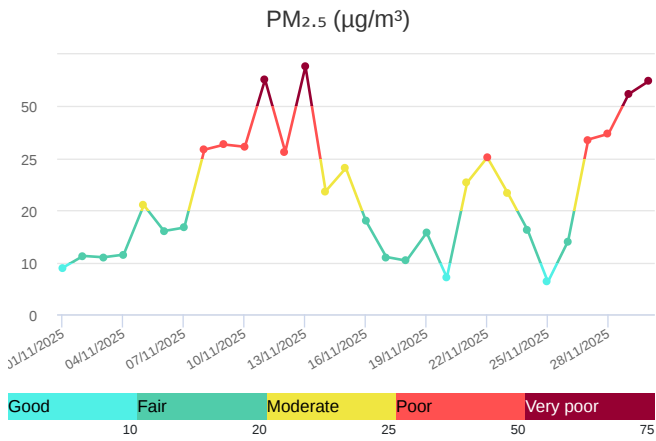
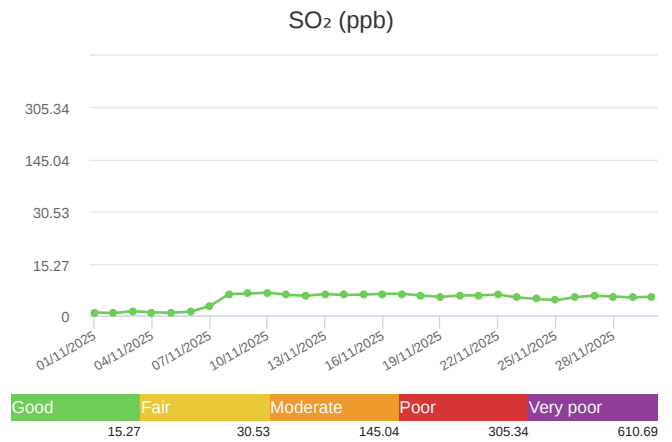
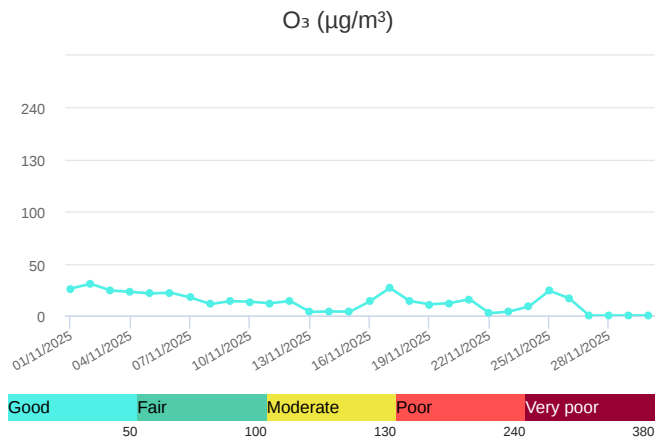
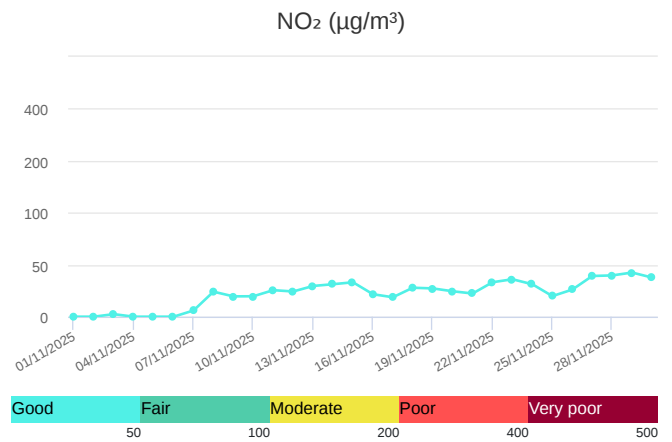
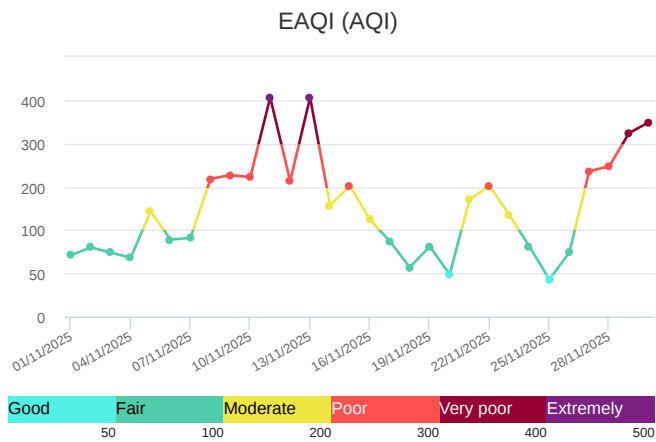
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

	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	213	21.42	12.33	4.76	25.02	56.56
Maximum	406	42.43	30.49	6.73	69.21	211.45
Date	11/11/2025	29/11/2025	02/11/2025	10/11/2025	13/11/2025	11/11/2025
Minimum	43	0	0	0.71	6.23	17.28
Date	25/11/2025	01/11/2025	27/11/2025	02/11/2025	25/11/2025	25/11/2025

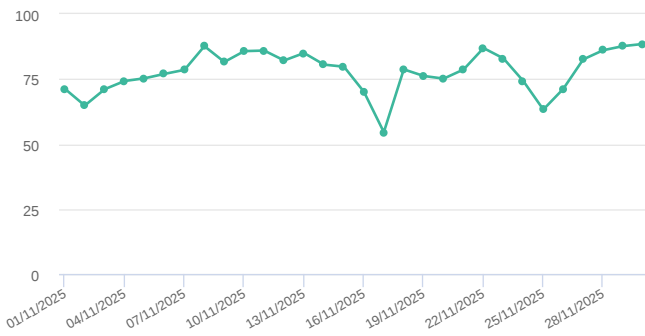
Prezentare generală zilnică: Alți parametri

	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	0.77	189.17	100	309.01	77.89	20.2	81.64	1003.31	9.23
Maximum	7	163.21	100	393.76	88.48	46.82	451.35	1012.67	16.65
Date	25/11/2025	25/11/2025	01/11/2025	08/11/2025	30/11/2025	30/11/2025	11/11/2025	05/11/2025	17/11/2025
Minimum	0.47	146.14	99.99	234.9	54.56	5.09	28.47	992.53	3.07
Date	19/11/2025	19/11/2025	28/11/2025	01/11/2025	17/11/2025	25/11/2025	25/11/2025	25/11/2025	30/11/2025

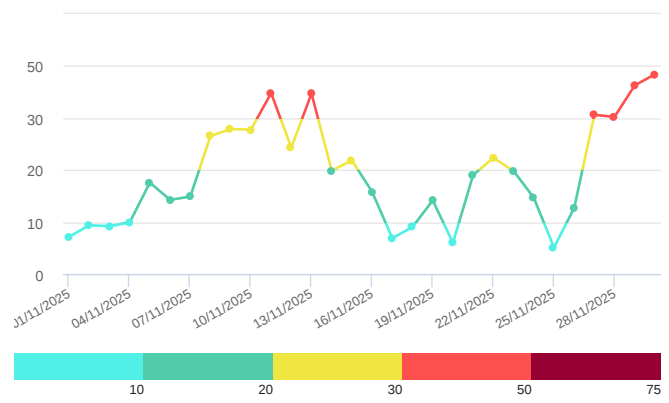
Weekly Average



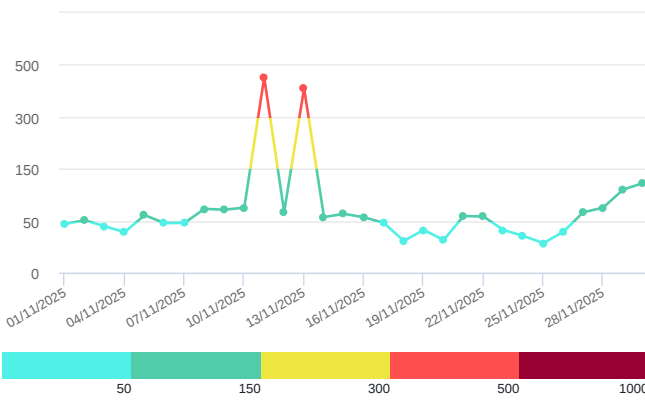
R. Humidity (%)



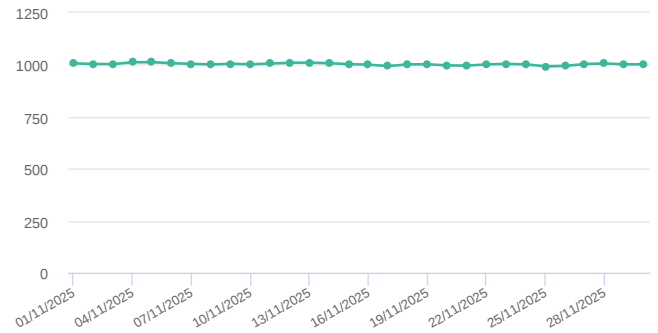
PM₁ (µg/m³)



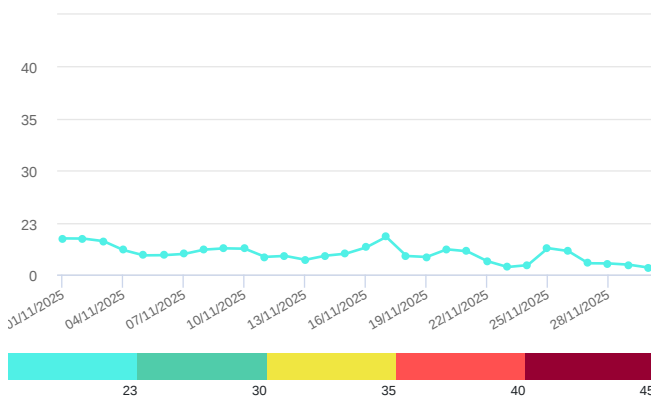
PM₁₀₀ (µg/m³)



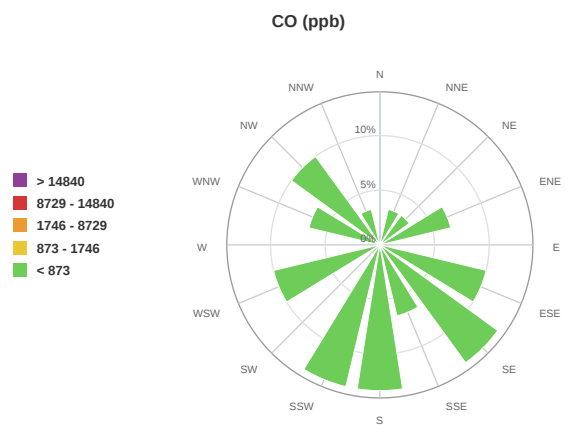
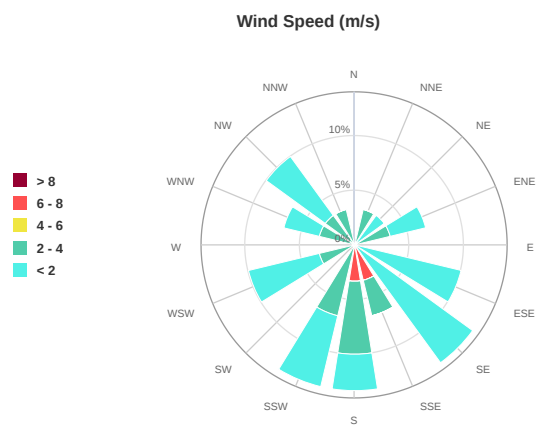
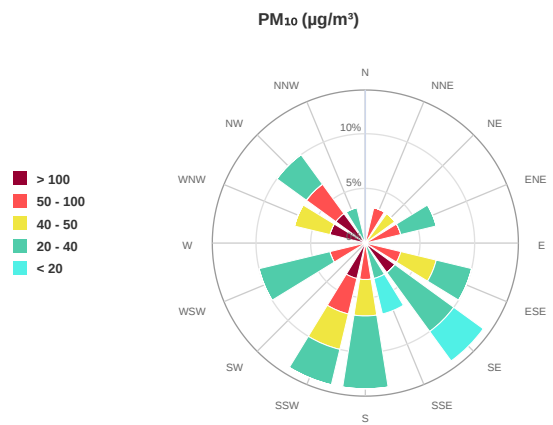
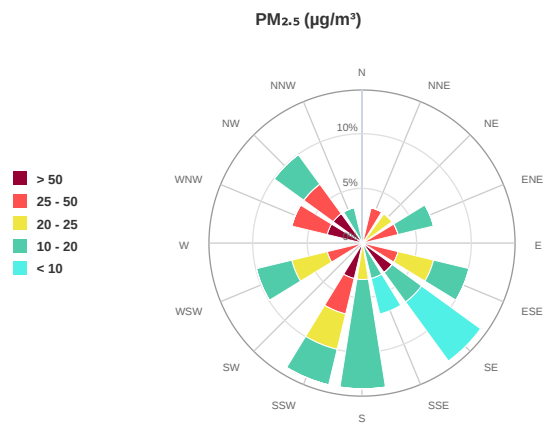
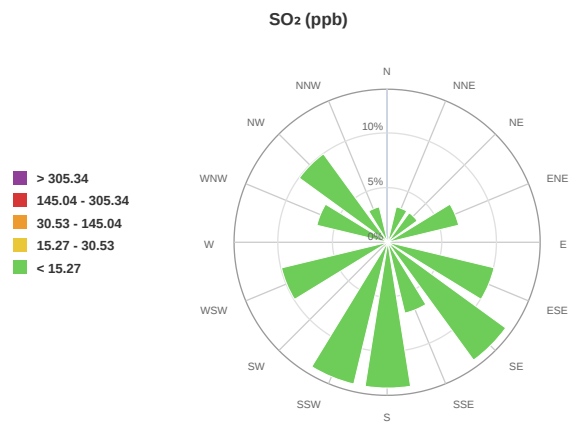
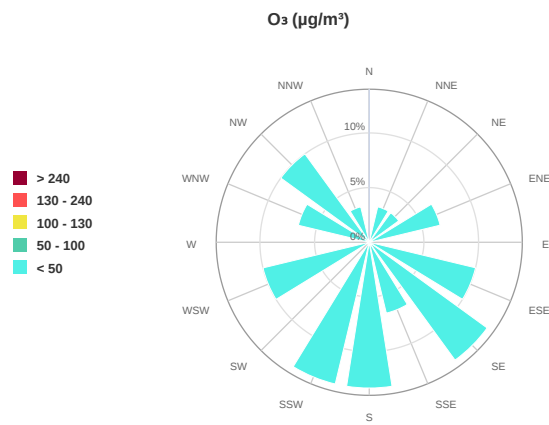
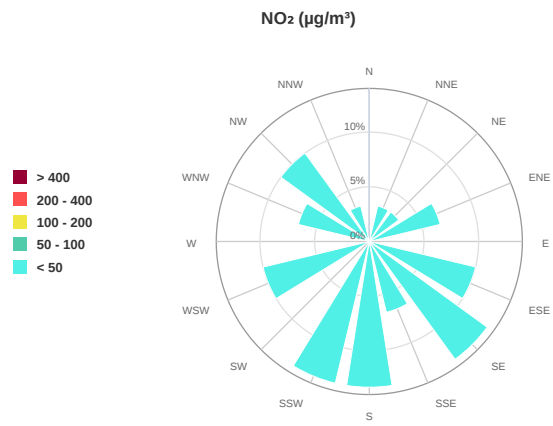
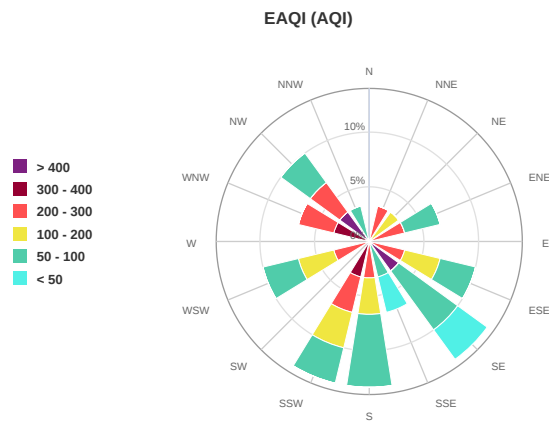
Pressure (hPa)

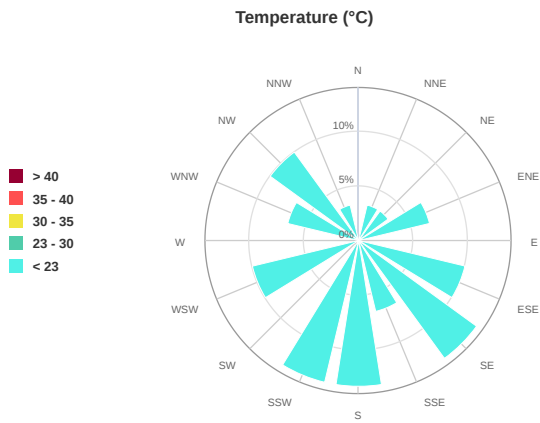
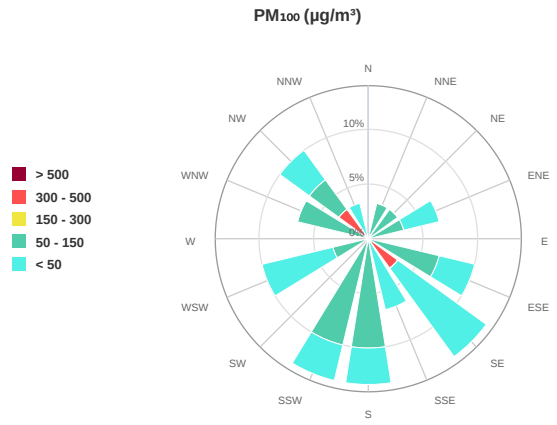
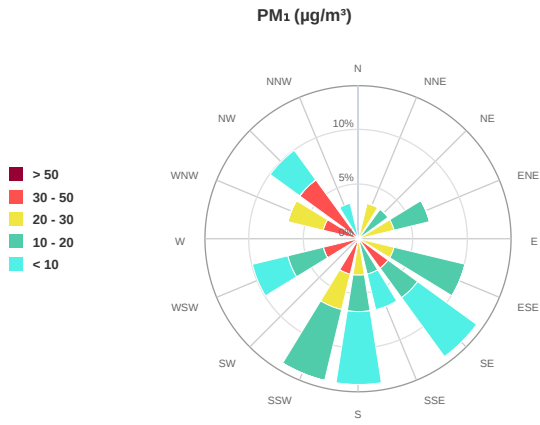


Temperature (°C)



Weekly Average





Alerte

No alerts for the selected date and time range

Insights

- 30/11/2025, 23:59 **EAQI fluctuates, with two peaks in 'Extremely Poor' zone:** EAQI values fluctuated, reaching 'Extremely Poor' on two occasions, exceeding the threshold of 400, indicating severe air pollution.
- 30/11/2025, 23:59 **PM_{2.5} exceeded 'Very Poor' levels on multiple days.:** PM_{2.5} levels surpassed 50 µg/m³ several times, indicating 'Very Poor' air quality. This poses a significant health risk.
- 13/11/2025, 23:59 **PM₁₀ reached 'Extremely Poor' levels mid-month:** PM₁₀ spiked to over 200 µg/m³, categorized as 'Extremely Poor', well beyond acceptable limits, presenting high health concern.
- 30/11/2025, 23:59 **NO₂ concentration peaked near end-month, impacting EAQI.:** NO₂ levels reached their highest concentration, above 70 µg/m³, contributing to Poor or Very Poor EAQI ratings during the month's end.
- 30/11/2025, 23:59 **Ozone levels remained mostly within 'Good' to 'Moderate' range:** O₃ concentrations mostly remained below 66.22 µg/m³, indicating relatively acceptable air quality, although some readings were higher.
- 30/11/2025, 23:59 **SO₂ remained low throughout the month.:** SO₂ levels were consistently below 38.17 ppb, indicating 'Good' air quality with respect to this pollutant. Its contribution to overall air quality is minimal.
- 30/11/2025, 23:59 **Wind speeds vary, potentially affecting pollutant dispersion:** Wind speeds ranged from 0.47 m/s to 7 m/s. Higher wind speeds could help disperse pollutants, while lower speeds may lead to accumulation.
- 30/11/2025, 23:59 **High Relative Humidity Correlates with Poorer Air Quality:** Higher relative humidity, often above 80%, seemed to coincide with periods of 'Poor' or 'Very Poor' air quality, potentially due to pollutant absorption.
- 30/11/2025, 23:59 **Temperature fluctuations show inverse correlation with EAQI peaks:** Lower temperatures seemed to coincide with the peaks in EAQI values, potentially influencing pollutant dispersion or chemical reactions.
- 30/11/2025, 23:59 **Significant differences between PM_{2.5} and PM₁₀ levels:** PM₁₀ values are consistently higher than PM_{2.5}, suggesting a significant presence of coarser particulate matter in the air.
- 15/11/2025, 23:59 **Fair AQI dominated the first half of the Month:** For the first two weeks, the air quality was categorized as Fair, indicating moderate pollution levels impacting sensitive groups.
- 25/11/2025, 23:59 **EAQI reached the lowest on November 25th.:** EAQI value reached a low of 47 on November 25th, corresponding to 'Good' air quality. PM_{2.5} was also at its lowest value (6.23 µg/m³).
- 13/11/2025, 23:59 **Elevated PM₁ levels during poor air quality periods:** PM₁ concentrations showed a positive correlation with PM_{2.5} and PM₁₀ during days with poor air quality, suggesting similar pollution sources.
- 30/11/2025, 23:59 **Pressure variations and their potential impact on air quality:** Atmospheric pressure ranged from 992.53 to 1012.67 HPa. Pressure changes can affect pollutant dispersion and concentration levels.
- 30/11/2025, 23:59 **CO concentration shows variations but doesn't drive EAQI:** CO levels fluctuated between 234.9 ppb and 393.76 ppb. These levels might indicate local emission sources, but aren't the driving force for high EAQI.
- 30/11/2025, 23:59 **Predominant wind direction from south impacts air quality:** Wind direction mainly falls between 110 and 210 degrees. This suggests a specific direction of pollutant transport, affecting local air quality.
- 30/11/2025, 23:59 **PM₁₀₀ tracks PM₁₀ during pollution spikes:** PM₁₀₀ concentrations closely follow the trend of PM₁₀, indicating that they are likely sourced from similar emission sources and contribute to the overall pollution.
- 30/11/2025, 23:59 **Influence of local pollution sources on CO levels:** CO concentrations ranged widely, hinting towards varying intensity of localized combustion sources such as traffic, or industrial processes.
- 30/11/2025, 23:59 **NO₂ remains in good to moderate range except the last week.:** NO₂ concentration saw a shift from fair to poor categories with a maximum concentration of 79.84 µg/m³ during the last few days of the time series.
- 30/11/2025, 23:59 **Ozone concentration remains mostly in Good range.:** Despite EAQI category fluctuations, O₃ concentration mostly remain in Good to Fair region with the highest concentration of 59.86 µg/m³.
- 30/11/2025, 23:59 **SO₂ concentration remains in the Good range throughout:** SO₂ concentration levels consistently remain in the Good zone with a very minimal fluctuation between 0.71 ppb and 6.73 ppb.
- 30/11/2025, 23:59 **The maximum PM_{2.5} concentration crosses Very Poor threshold:** The maximum observed PM_{2.5} concentration crosses the Very Poor threshold (50 µg/m³) indicating a high potential health risk.
- 11/11/2025, 23:59 **PM₁₀ concentration crosses 'Extremely poor' threshold:** Maximum PM₁₀ concentration (211.45 µg/m³) crosses 'Extremely poor' threshold indicating the need for source control and mitigation.
- 25/11/2025, 23:59 **Higher wind speed correlates with lower PM_{2.5} on Nov 25.:** The highest wind speed of 7 m/s coincides with the lowest PM_{2.5} concentration of 6.23 µg/m³, suggesting effective pollutant dispersion.
- 30/11/2025, 23:59 **EAQI is primarily driven by PM_{2.5} and PM₁₀ concentrations.:** High EAQI values predominantly align with elevated PM_{2.5} and PM₁₀ concentrations, indicating their dominant role in determining overall air quality.
- 30/11/2025, 23:59 **Air quality deterioration during the last two weeks of month.:** Air quality degrades significantly in the later half of the month, with more frequent readings falling into the 'Poor' and 'Very Poor' categories.
- 25/11/2025, 23:59 **Good Air Quality only observed on a single day:** Good Air Quality was only observed on 2025-11-25, with EAQI equal to 47. The rest of the days are observed with values above 50.

- 07/11/2025, 23:59 **Moderate air quality from Nov 5 to Nov 7:** EAQI levels ranged in moderate levels. The values have seen a transition from fair levels to poor levels from Nov 8 onwards.
- 13/11/2025, 23:59 **Very Poor and Extremely Poor air quality during the mid month:** The air quality was observed as either Very Poor or Extremely Poor during the period of Nov 11 to Nov 13. PM_{2.5} and PM₁₀ contributed significantly to the same.
- 04/11/2025, 23:59 **Fair air quality was observed during the start of the month:** EAQI ranged between 68 and 80, indicating a fair air quality during this period. The relative humidity ranged high as well.

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	71	0	25.98	0.91	8.99	28.24
02/11/2025, 23:59	80	0	30.49	0.71	11.23	32.12
03/11/2025, 23:59	74	2.45	24.06	1.27	10.97	29.57
04/11/2025, 23:59	68	0	22.7	0.91	11.47	27.06
05/11/2025, 23:59	143	0	21.21	0.81	20.5	44.34
06/11/2025, 23:59	89	0	21.96	1.13	16.02	35.67
07/11/2025, 23:59	91	5.95	17.33	2.84	16.68	36.21
08/11/2025, 23:59	218	24.05	10.93	6.33	29.18	58.95
09/11/2025, 23:59	227	19.55	13.8	6.42	31.63	60.32
10/11/2025, 23:59	222	19.67	13.32	6.73	30.56	60.77
11/11/2025, 23:59	406	25.51	11.73	6.04	62.85	211.45
12/11/2025, 23:59	213	24.26	14.02	5.81	28.15	56.02
13/11/2025, 23:59	406	29.55	3.46	6.31	69.21	209.22
14/11/2025, 23:59	157	31.26	3.96	6.01	21.84	45.72
15/11/2025, 23:59	202	33.12	3.67	6.15	24.06	51.18
16/11/2025, 23:59	124	21.62	13.63	6.39	17.91	42.38
17/11/2025, 23:59	87	18.68	26.5	6.39	11.03	34.88
18/11/2025, 23:59	57	27.85	13.96	5.84	10.31	22.66
19/11/2025, 23:59	81	27.22	10.75	5.48	15.7	32.34
20/11/2025, 23:59	49	24.46	11.88	5.87	7.08	19.5
21/11/2025, 23:59	171	22.3	15.66	5.94	22.66	47.09
22/11/2025, 23:59	202	33.16	2.21	6.11	25.45	48.9
23/11/2025, 23:59	134	35.99	3.82	5.29	21.71	38.58
24/11/2025, 23:59	81	31.15	8.88	4.85	16.17	30.66
25/11/2025, 23:59	43	19.82	23.84	4.47	6.23	17.28
26/11/2025, 23:59	74	26.03	16.56	5.42	14.08	29.72
27/11/2025, 23:59	236	39.14	0	5.84	34.06	61.25
28/11/2025, 23:59	247	39.7	0	5.56	36.8	67.82
29/11/2025, 23:59	324	42.43	0	5.3	55.9	102.91
30/11/2025, 23:59	349	37.66	0	5.55	62.19	114

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	1.3	129.3	100	234.9	71.23	7.14	46.89	1006.85	15.98
02/11/2025, 23:59	2.01	170.6	100	245.56	64.79	9.36	50.99	1003.99	15.92
03/11/2025, 23:59	1.85	245.47	100	238.52	71.08	9.19	44.68	1003.42	14.79
04/11/2025, 23:59	2.88	336.35	100	263.02	74.23	9.89	39.01	1012.22	10.81
05/11/2025, 23:59	0.8	51.75	100	340.25	75.27	17.58	60.85	1012.67	8.49
06/11/2025, 23:59	1.2	117.91	100	276.79	76.97	14.25	47.73	1007.61	8.59
07/11/2025, 23:59	2.14	65.7	100	317.79	78.51	14.88	47.89	1004.7	9.12
08/11/2025, 23:59	1.64	69.49	100	393.76	87.63	26.53	72.9	1001.62	11.05
09/11/2025, 23:59	0.7	200.3	100	347	81.55	27.88	71.21	1004.93	11.6
10/11/2025, 23:59	2.47	12.87	100	312.02	85.72	27.74	75.19	1002.29	11.44
11/11/2025, 23:59	1.26	317.97	100	311.51	85.94	39.58	451.35	1006.01	7.83
12/11/2025, 23:59	1.07	114.03	100	287.15	82.13	24.3	67.12	1009.87	8.24
13/11/2025, 23:59	0.96	136.3	100	322.73	84.99	39.42	409.43	1010.49	6.54
14/11/2025, 23:59	1.08	114.37	100	368.22	80.53	19.88	57.14	1007.72	8.35
15/11/2025, 23:59	1.53	179.51	100	392.75	79.73	21.84	63.27	1003	9.25
16/11/2025, 23:59	2.95	180.28	100	329.03	70.1	15.8	56.74	1000.63	11.98
17/11/2025, 23:59	6.92	190.46	100	253.06	54.56	6.87	47.98	993.61	16.65
18/11/2025, 23:59	2.62	324.04	100	277.06	78.7	9.04	30.6	1002.16	8.21
19/11/2025, 23:59	0.47	146.14	100	290.75	76.17	14.14	41.17	1002.33	7.78
20/11/2025, 23:59	1.48	136.32	100	293.21	75.14	5.99	31.53	997.09	11.15
21/11/2025, 23:59	1.77	208.91	100	302.04	78.65	19.03	59.05	996.01	10.31
22/11/2025, 23:59	2.27	297.03	100	309.29	86.9	22.34	58.21	1001.85	5.93
23/11/2025, 23:59	2.38	244.84	100	290.46	82.93	19.82	41.09	1004.45	3.33
24/11/2025, 23:59	2.87	162.64	100	294.26	74.18	14.67	35.43	1002.03	4.17
25/11/2025, 23:59	7	163.21	100	268.79	63.24	5.09	28.47	992.53	11.68
26/11/2025, 23:59	2.4	193.35	100	320.2	71.19	12.67	39.28	994.43	10.41
27/11/2025, 23:59	1.88	310.68	100	359.59	82.54	31.18	66.25	1004.11	4.99
28/11/2025, 23:59	1.13	249.81	99.99	330.34	86.06	30.47	75.21	1006.27	4.93
29/11/2025, 23:59	1.9	291.8	100	349.98	87.65	42.54	109.89	1002.23	4.36
30/11/2025, 23:59	2.06	207.61	100	350.31	88.48	46.82	122.52	1002.26	3.07

Oizom will not be responsible for Environmental Data accuracy once Validated