

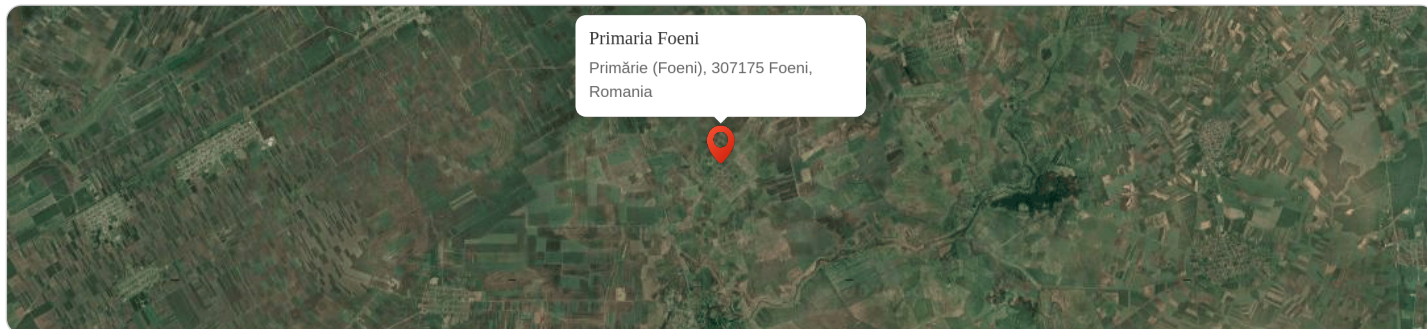
Primaria Foeni

MONTHLY AIR-QUALITY REPORT

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

Numele dispozitivului: **Primaria Foeni**
Locația dispozitivului: **Primărie (Foeni), 307175 Foeni, 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): **287**

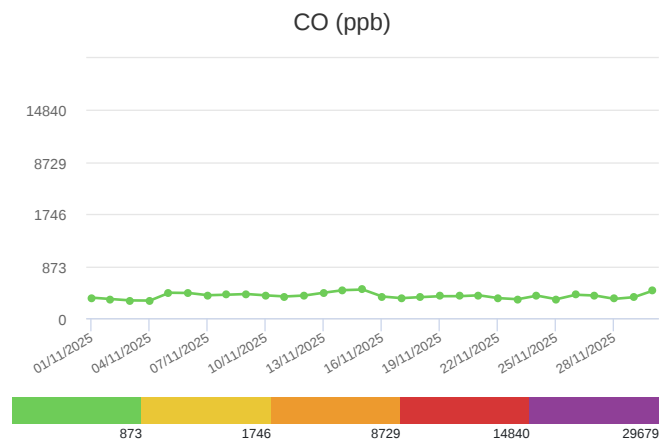
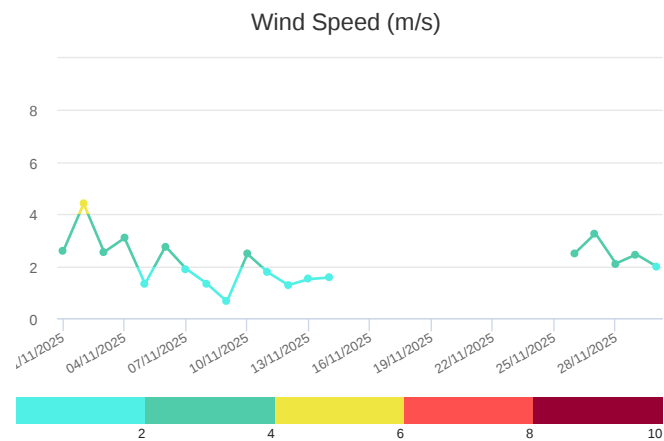
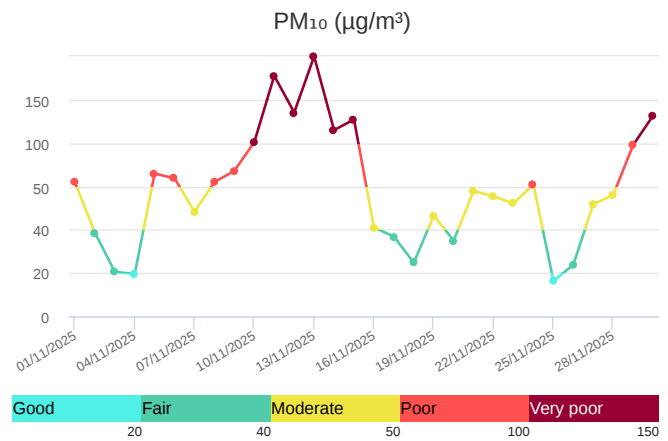
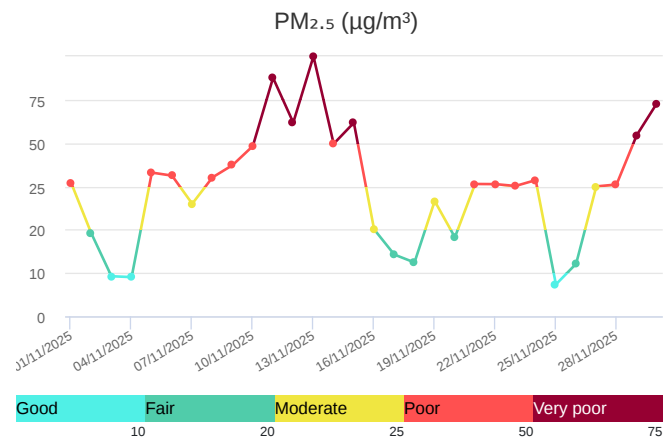
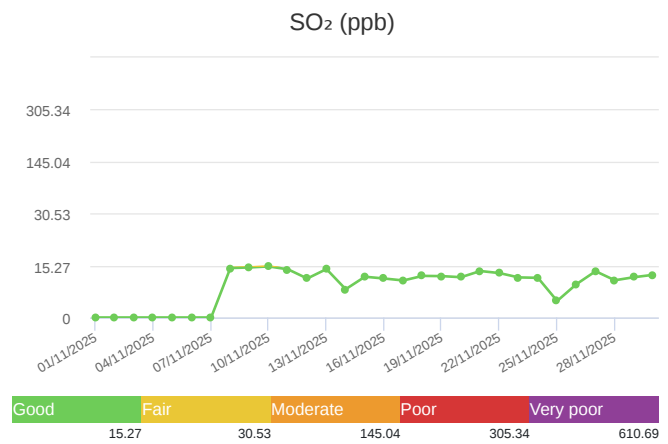
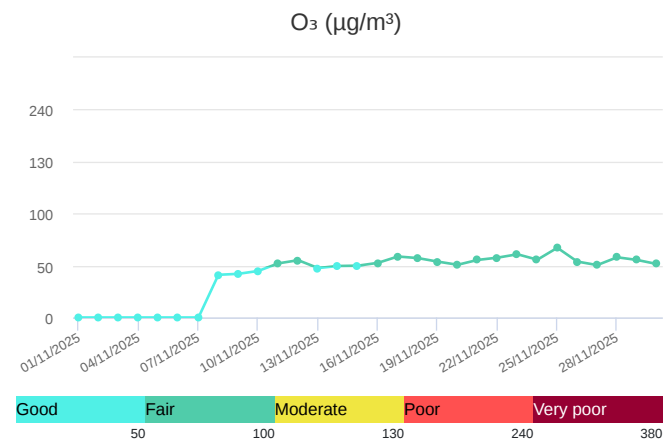
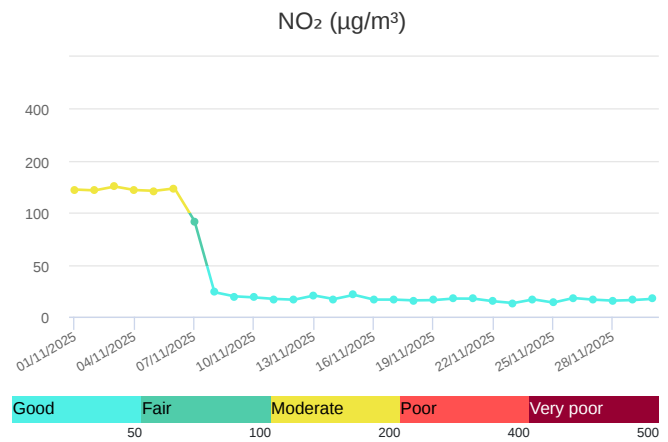
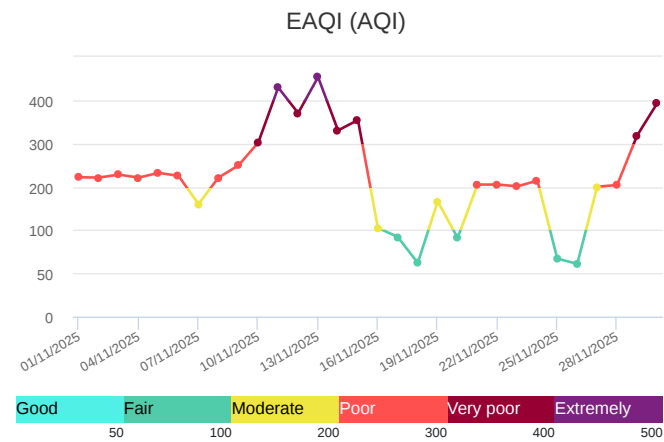
Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

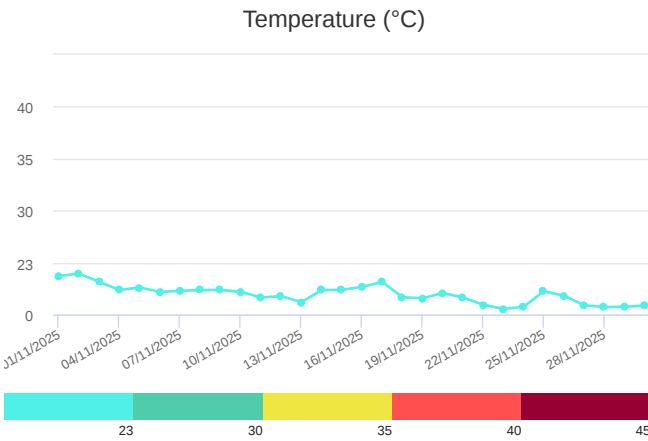
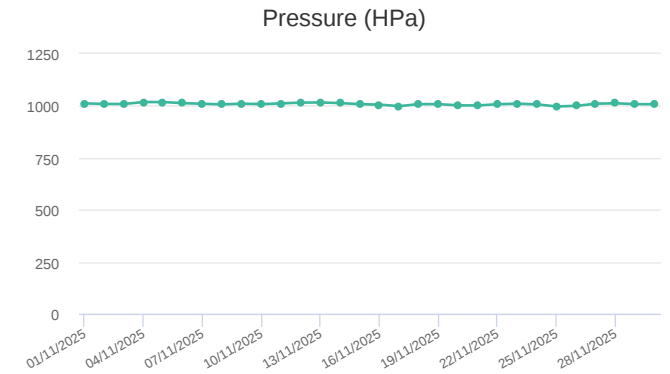
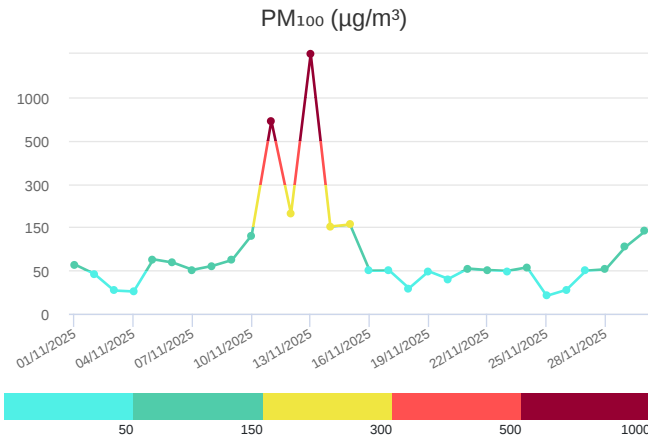
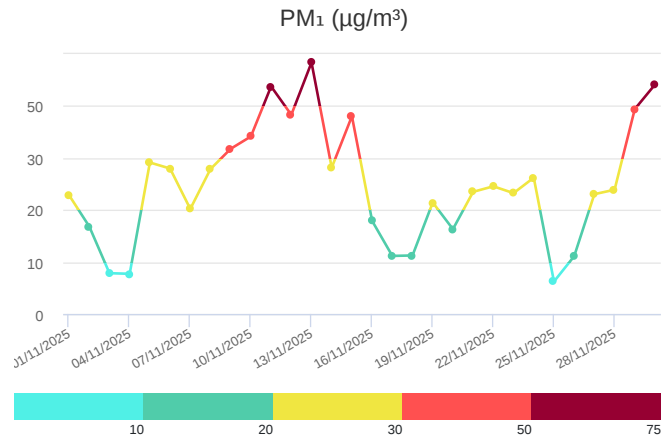
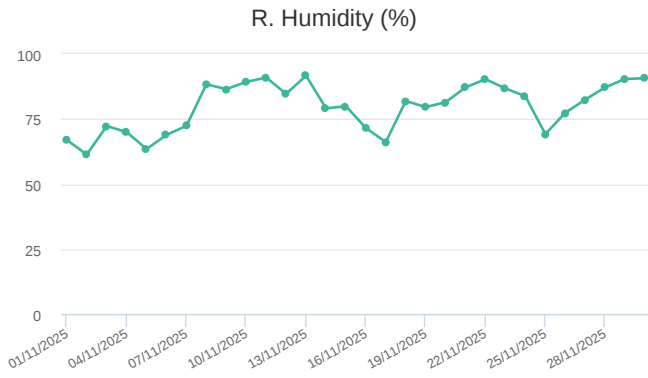
	EAQI AQI	NO ₂ µg/m ³	O ₃ µg/m ³	SO ₂ ppb	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³
Average	287	45.21	16.96	0	39.53	93.36
Maximum	453	150.35	67.04	14.99	209.98	704.13
Date	13/11/2025	03/11/2025	25/11/2025	10/11/2025	13/11/2025	13/11/2025
Minimum	61	13.1	0	0	7.36	16.36
Date	26/11/2025	23/11/2025	01/11/2025	01/11/2025	25/11/2025	25/11/2025

Prezentare generală zilnică: Alți parametri

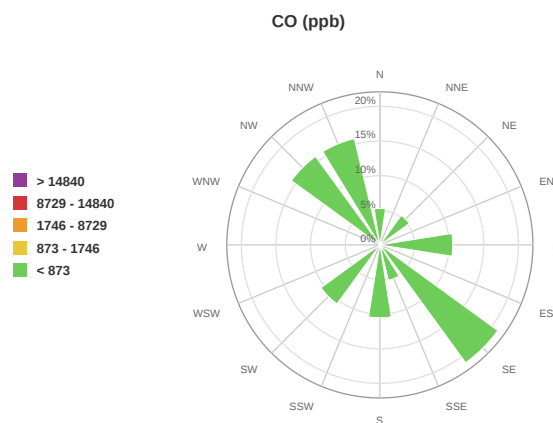
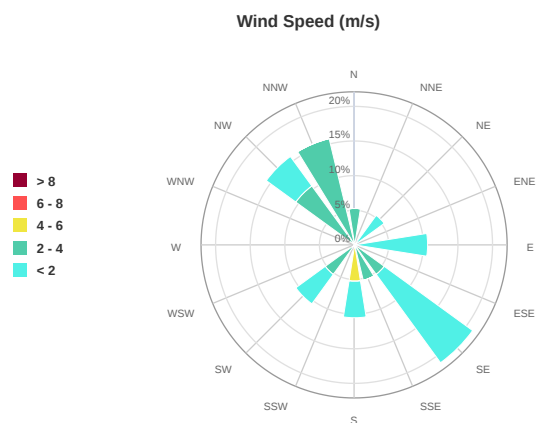
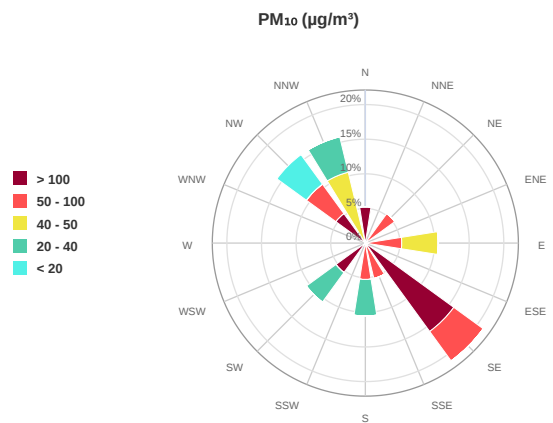
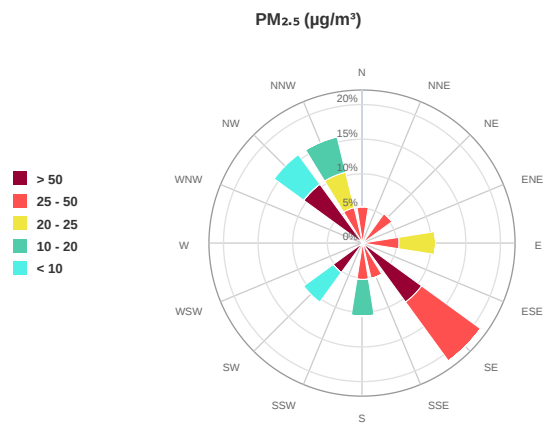
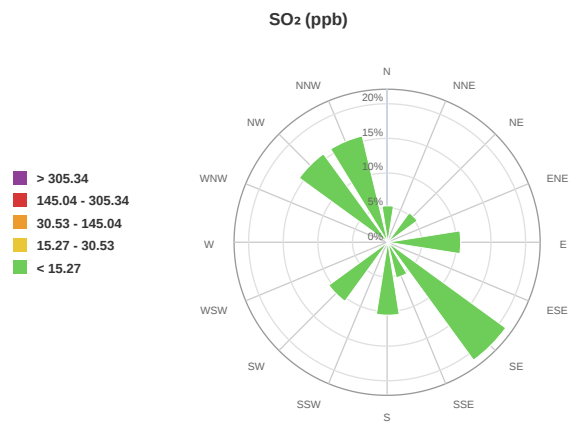
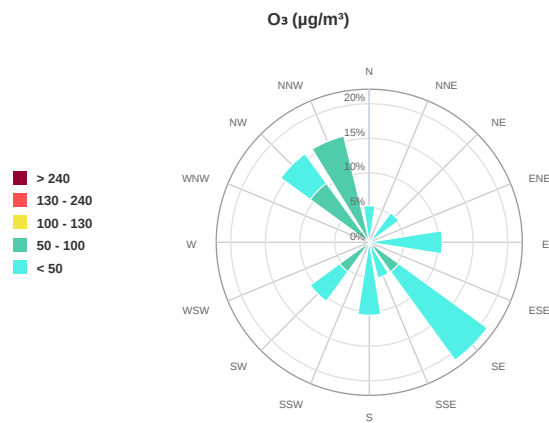
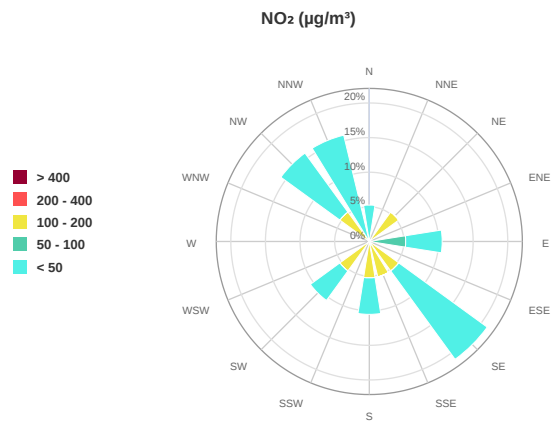
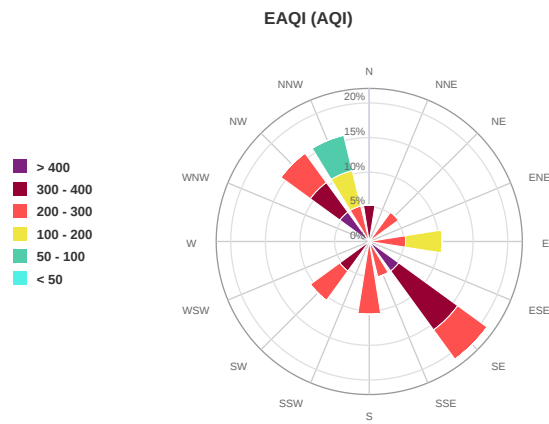
	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM ₁ µg/m ³	PM ₁₀₀ µg/m ³	Pressure HPa	Temperature °C
Average	0.05	280.81	100	373.53	79.72	27.74	128.14	1008.68	9
Maximum	4.4	171.46	100	479.58	91.67	70.89	1164.02	1018.07	18.1
Date	02/11/2025	02/11/2025	01/11/2025	15/11/2025	13/11/2025	13/11/2025	13/11/2025	05/11/2025	02/11/2025
Minimum	0.64	182.07	100	294.59	61.34	6.23	20.68	996.76	2.49
Date	09/11/2025	09/11/2025	01/11/2025	04/11/2025	02/11/2025	25/11/2025	25/11/2025	25/11/2025	23/11/2025

Weekly Average

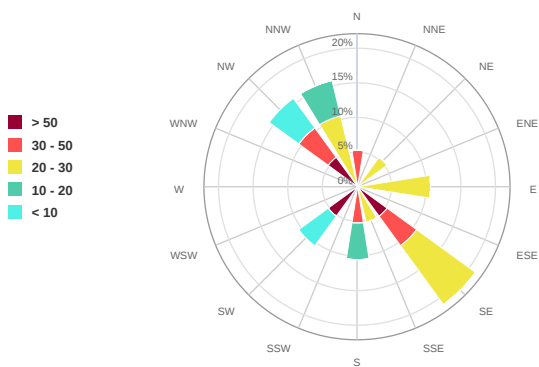




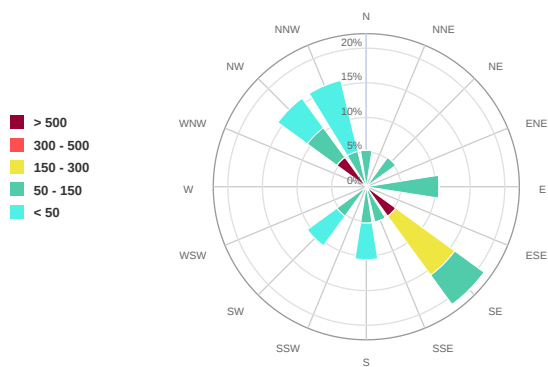
Weekly Average



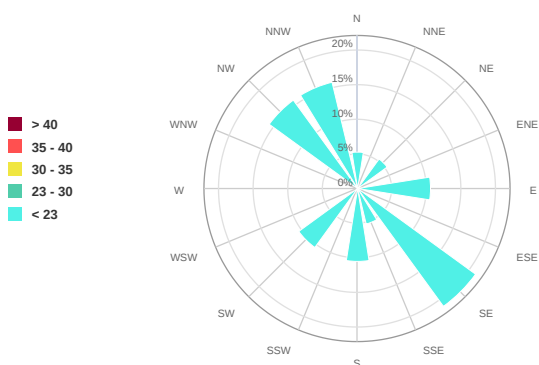
PM₁ (µg/m³)



PM₁₀₀ (µg/m³)



Temperature (°C)



Alerte

No alerts for the selected date and time range

Insights

- 15/11/2025, 23:59 **EAQI consistently high in early November, peaking on Nov 13th**: EAQI was mostly in 'Very Poor' to 'Extremely Poor' range during the first half of November, indicating severe air pollution. Highest observed EAQI was 453.
- 15/11/2025, 23:59 **High NO₂ levels contribute to poor air quality**: NO₂ levels frequently exceeded the 'Poor' threshold in the first half of November, contributing significantly to the overall 'Very Poor' to 'Extremely Poor' EAQI.
- 30/11/2025, 23:59 **Ozone (O₃) levels show some moderate air quality**: Ozone levels consistently reached 'Poor' threshold values throughout the month, with some values indicating 'Moderate' air quality towards the end.
- 30/11/2025, 23:59 **SO₂ levels are consistently low and do not impact EAQI**: Sulfur dioxide (SO₂) levels remain within the 'Good' range throughout the entire period, indicating it is not a contributing factor to the poor air quality.
- 30/11/2025, 23:59 **PM_{2.5} levels fluctuate, reaching 'Extremely poor' levels**: PM_{2.5} concentrations frequently exceeded the 'Poor' and 'Very Poor' levels, contributing to the high EAQI values. The highest concentration reported was 209.98 µg/m³.
- 30/11/2025, 23:59 **PM₁₀ shows 'Extremely Poor' Levels, impacts air quality**: PM₁₀ levels were 'Extremely Poor' on several days, including 704.13 µg/m³ on November 13th, demonstrating the prevalence of coarse particulate matter.
- 30/11/2025, 23:59 **High relative humidity correlates with poorer air quality**: Days with higher relative humidity (e.g., >80%) often coincide with 'Poor' or 'Very Poor' EAQI values, possibly due to increased particle hygroscopic growth.
- 30/11/2025, 23:59 **Temperature appears inversely correlated with EAQI**: Lower temperatures seem to be associated with higher EAQI values, possibly due to temperature inversions trapping pollutants near the ground.
- 30/11/2025, 23:59 **Wind speed is generally low during high pollution episodes**: Lower wind speeds (generally below 2 m/s) are observed during periods with high EAQI, suggesting reduced pollutant dispersion.
- 30/11/2025, 23:59 **CO levels fluctuate, with a potential impact on EAQI**: Carbon monoxide (CO) levels fluctuate significantly throughout the month. High CO levels may contribute to poor air quality, potentially correlating with EAQI spikes.
- 30/11/2025, 23:59 **Air quality improves slightly towards the end of November**: The EAQI shows a slight improvement towards the end of November, with more frequent occurrences of 'Moderate' air quality compared to the beginning of the month.
- 30/11/2025, 23:59 **Pressure variations don't show clear correlation with AQI**: Atmospheric pressure fluctuates, but there's no apparent direct correlation between pressure changes and EAQI levels in this dataset.
- 13/11/2025, 23:59 **November 13th stands out as the most polluted day**: November 13th exhibits the highest EAQI (453), along with extremely high PM_{2.5} and PM₁₀ concentrations, making it the most polluted day in the recorded period.
- 30/11/2025, 23:59 **PM₁ correlates positively with PM_{2.5} and PM₁₀**: PM₁ levels generally follow the trend of PM_{2.5} and PM₁₀ concentrations, suggesting a common source or formation process for fine particulate matter.
- 30/11/2025, 23:59 **Poor air quality is observed even with low wind speeds**: Instances of 'Very Poor' and 'Extremely Poor' air quality occurred even when wind speeds were relatively low, potentially exacerbating pollutant accumulation.
- 30/11/2025, 23:59 **Higher wind direction variability impacts air quality**: Days with variable wind directions exhibit fluctuations in air quality, possibly due to the influence of different pollution sources from various directions.
- 30/11/2025, 23:59 **Temperature inversions potentially trap pollutants**: The observed negative correlation between temperature and EAQI might suggest the presence of temperature inversions, which can trap pollutants near ground level.
- 30/11/2025, 23:59 **PM₁₀₀ follows PM₁₀ levels, both impacting EAQI**: PM₁₀₀ concentrations generally track PM₁₀ trends, further indicating the presence of coarse particulate matter that impacts the overall air quality.
- 30/11/2025, 23:59 **NO₂ contributed significantly to overall poor EAQI rating**: The values for NO₂ were consistently above the 'Poor' threshold, significantly raising the EAQI and impacting air quality.
- 30/11/2025, 23:59 **O₃ has a moderate presence on air quality deterioration**: The values for O₃ show a moderate but consistent impact, reaching 'Moderate' to 'Poor' range and impacting the EAQI ratings.
- 30/11/2025, 23:59 **PM_{2.5} fluctuates between good and poor based on day**: The values for PM_{2.5} indicate significant daily fluctuations, contributing to variations in overall air quality, with values ranging from 'Good' to 'Poor'.
- 30/11/2025, 23:59 **PM₁₀ contributes less than PM_{2.5}**: PM₁₀ presence is less than PM_{2.5}, but its effect still contributes to the worsening of the air quality to some extent.
- 30/11/2025, 23:59 **SO₂ is almost non existent for EAQI deterioration**: SO₂ is in 'Good' threshold, and does not play a role in EAQI deterioration, showing no presence and effect on EAQI.
- 30/11/2025, 23:59 **EAQI shows correlation between Temperature and Humidity**: EAQI Deterioration is highly related to high humidity and low temperature because the pollutants stay in the lower altitudes.
- 30/11/2025, 23:59 **Most values observed have exceeded threshold values**: EAQI is highly impacted due to the various different pollutants having threshold values exceeding the limits.
- 30/11/2025, 23:59 **Wind speed has a great impact on EAQI**: Wind speed has a great impact because the low wind speed does not allow the pollutants to flow outside, hence the EAQI stays deteriorated.
- 30/11/2025, 23:59 **CO has the most prominent effect on EAQI**: CO presence is the most prominent effect on EAQI's deterioration, exceeding thresholds and impacting it.

- 30/11/2025, 23:59 **Wind Direction also plays a role in pollutant distribution:** Wind direction also plays a crucial role as it distributes the pollutants to areas of various directions, affecting them.
- 30/11/2025, 23:59 **Air quality shows improvement towards end of November:** As the month ends, we see a gradual increase in fair conditions for air quality and the extremely poor conditions decrease.
- 30/11/2025, 23:59 **High PM₁₀₀ levels correlate to high pollution.:** PM₁₀₀ concentrations correlated to the presence of high pollution, specifically coarse particulate matter contributing to air quality.

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	222	144.61	0	0	27.2	54.59
02/11/2025, 23:59	221	142.96	0	0	19.2	38.68
03/11/2025, 23:59	228	150.35	0	0	9.25	20.54
04/11/2025, 23:59	221	143.58	0	0	9.04	19.52
05/11/2025, 23:59	232	142.11	0	0	32.93	64.79
06/11/2025, 23:59	225	146.79	0	0	31.17	59.17
07/11/2025, 23:59	160	92.02	0	0	22.99	44.13
08/11/2025, 23:59	221	23.56	41.03	14.52	30.16	54.97
09/11/2025, 23:59	249	19.61	42.02	14.71	37.28	67.89
10/11/2025, 23:59	302	18.54	44.77	14.99	48.25	101.17
11/11/2025, 23:59	429	17.1	52.07	14.14	143	455.53
12/11/2025, 23:59	370	16.33	55.09	11.45	61.77	135.23
13/11/2025, 23:59	453	20.38	47.57	14.22	209.98	704.13
14/11/2025, 23:59	330	16.95	49.53	8.3	49.52	114.89
15/11/2025, 23:59	354	21.01	49.86	11.97	61.71	127.19
16/11/2025, 23:59	105	16.47	52.56	11.46	20.04	40.51
17/11/2025, 23:59	92	16.47	58.63	10.87	14.25	36.84
18/11/2025, 23:59	62	15.7	57.16	12.22	12.42	24.73
19/11/2025, 23:59	166	15.95	53.76	12.15	23.3	43.23
20/11/2025, 23:59	91	17.44	50.72	11.84	18.24	34.99
21/11/2025, 23:59	205	17.36	55.33	13.65	26.34	48.95
22/11/2025, 23:59	205	14.84	57.54	13.04	26.27	47.65
23/11/2025, 23:59	201	13.1	60.82	11.77	25.2	46.06
24/11/2025, 23:59	214	16.63	55.61	11.65	28.57	52.3
25/11/2025, 23:59	67	13.62	67.04	4.85	7.36	16.36
26/11/2025, 23:59	61	17.97	53.79	9.77	12.12	23.75
27/11/2025, 23:59	200	16.39	50.38	13.59	24.99	45.86
28/11/2025, 23:59	204	15.44	57.92	10.93	26.04	47.99
29/11/2025, 23:59	318	15.99	55.35	11.84	54.5	97.58
30/11/2025, 23:59	392	17.13	51.38	12.53	72.96	131.48

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
01/11/2025, 23:59	2.57	146.97	100	342.85	66.92	22.84	63.84	1011.76	17.08
02/11/2025, 23:59	4.4	171.46	100	319.51	61.34	16.83	46.06	1008.85	18.1
03/11/2025, 23:59	2.54	229.42	100	297.04	72.29	7.84	26.8	1008.85	14.42
04/11/2025, 23:59	3.08	321.93	100	294.59	69.97	7.72	25.71	1017.99	10.89
05/11/2025, 23:59	1.32	45.07	100	426.42	63.44	29.13	75.62	1018.07	11.96
06/11/2025, 23:59	2.76	132.99	100	421.23	68.9	27.97	68.06	1012.68	10
07/11/2025, 23:59	1.9	86.83	100	383.85	72.38	20.2	51.42	1009.82	10.48
08/11/2025, 23:59	1.34	85.11	100	392.8	88.37	27.87	60.43	1006.86	10.81
09/11/2025, 23:59	0.64	182.07	100	404.05	86.48	33.55	73.98	1010.29	10.91
10/11/2025, 23:59	2.47	358.14	100	381.85	89.26	38.27	131.21	1008.14	10.05
11/11/2025, 23:59	1.76	309.14	100	362.87	90.96	59.43	725.6	1011.66	7.55
12/11/2025, 23:59	1.27	142.43	100	379.98	84.68	46.59	196.02	1015.37	8.14
13/11/2025, 23:59	1.5	133.2	100	427.28	91.67	70.89	1164.02	1016	5.53
14/11/2025, 23:59	1.56	125.23	100	470.11	79.09	28.14	151.94	1012.97	10.81
15/11/2025, 23:59			100	479.58	79.92	46.06	158.99	1007.92	10.95
16/11/2025, 23:59			100	362.59	71.52	17.9	49.7	1005.5	12.24
17/11/2025, 23:59			100	335.34	66.14	11.16	49.83	998.44	14.41
18/11/2025, 23:59			100	352.47	81.94	11.25	29.39	1008.19	7.69
19/11/2025, 23:59			100	367.48	79.57	21.44	49	1007.86	7.19
20/11/2025, 23:59			100	368.66	81.46	16.31	40.2	1002.11	9.57
21/11/2025, 23:59			100	382.68	87.18	23.49	54.3	1001.65	7.48
22/11/2025, 23:59			100	334.92	90.29	24.55	50.86	1007.81	4.38
23/11/2025, 23:59			100	317.22	86.79	23.24	49.46	1010.26	2.49
24/11/2025, 23:59			100	377.48	83.72	26.21	56.95	1006.86	3.45
25/11/2025, 23:59			100	317.2	69.2	6.23	20.68	996.76	10.31
26/11/2025, 23:59	2.5	328.49	100	391.62	77.39	11.1	27.53	999.88	8.3
27/11/2025, 23:59	3.26	328.93	100	378.72	82.45	23.04	49.7	1010.14	4.12
28/11/2025, 23:59	2.1	331.77	100	322.87	87.15	23.89	52.61	1012.12	3.32
29/11/2025, 23:59	2.45	307.51	100	350.74	90.42	48.8	104.05	1008.05	3.45
30/11/2025, 23:59	1.98	214.71	100	462	90.67	60.31	140.39	1007.52	3.96

Oizom will not be responsible for Environmental Data accuracy once Validated