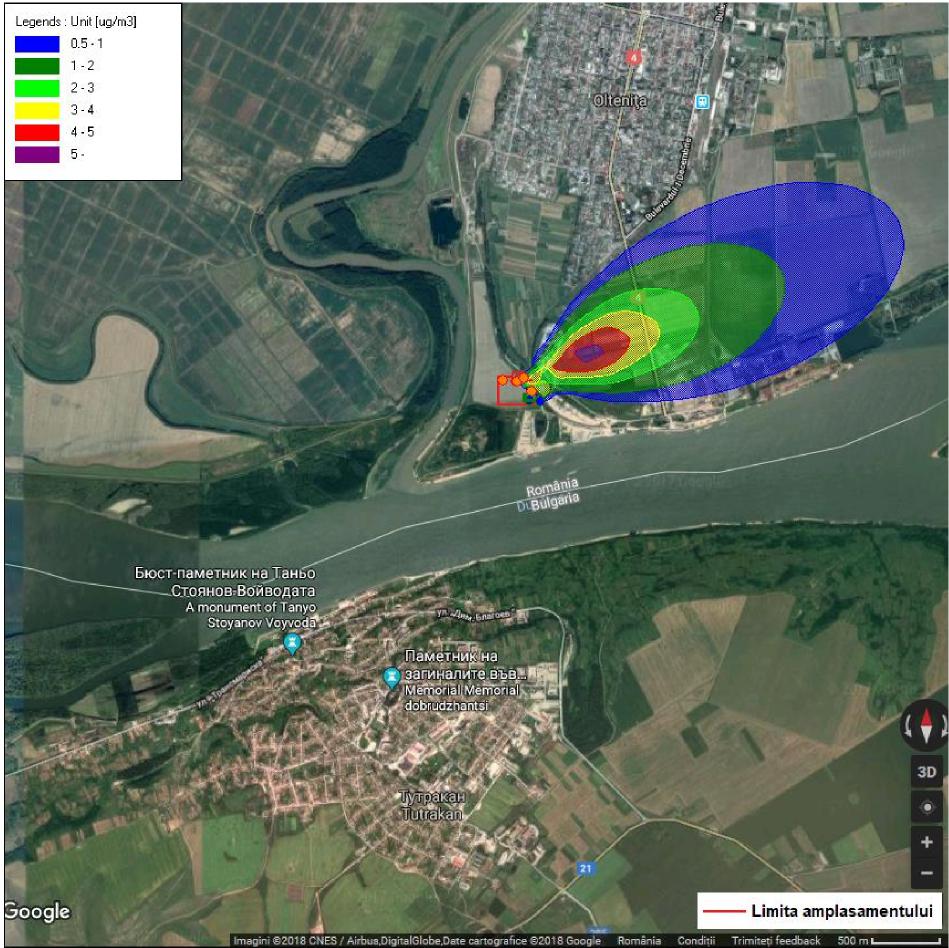
**Annex no. 11**– The spatial distribution of NOx concentration in the air for the analysed scenarios –

internal sources

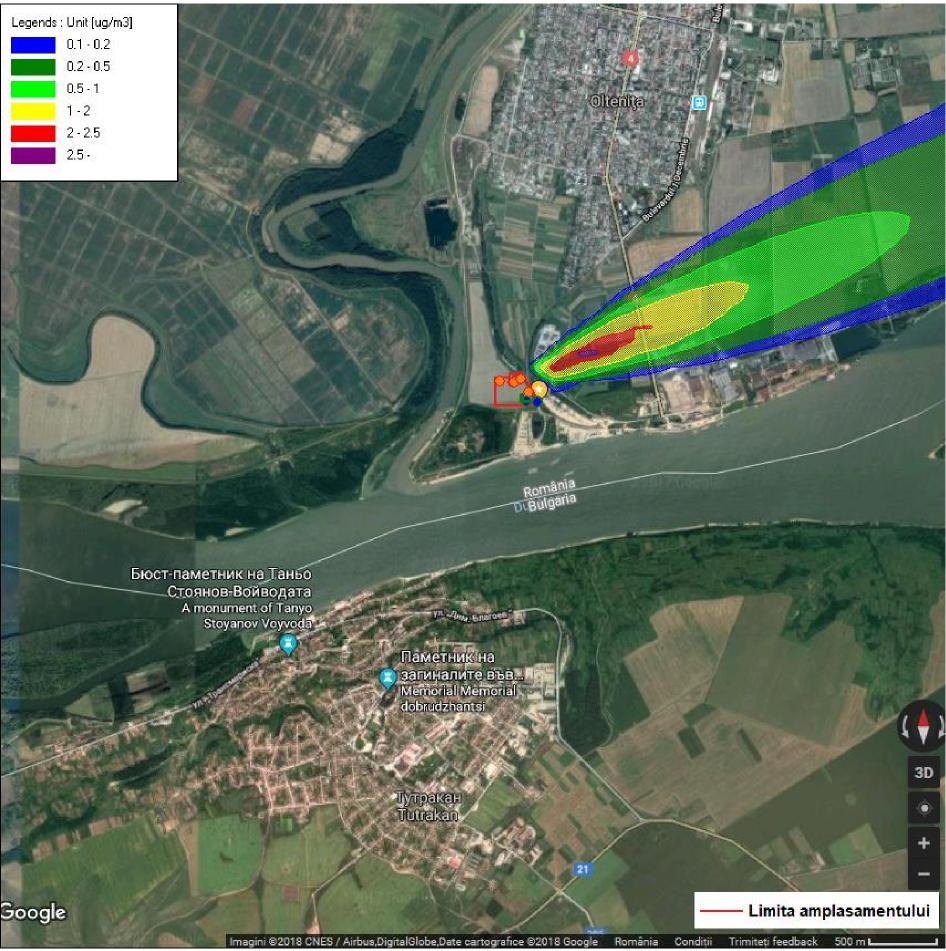


The distribution of NO x concentrations in the air   
Averaging time 60 min.

WSW wind direction, unstable atmospheric stratification (B),   
wind speed 1 m/s temperature 25°C (sunny day)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 5.35 µg/mc at the point x = 4300 m, y = 4400 m

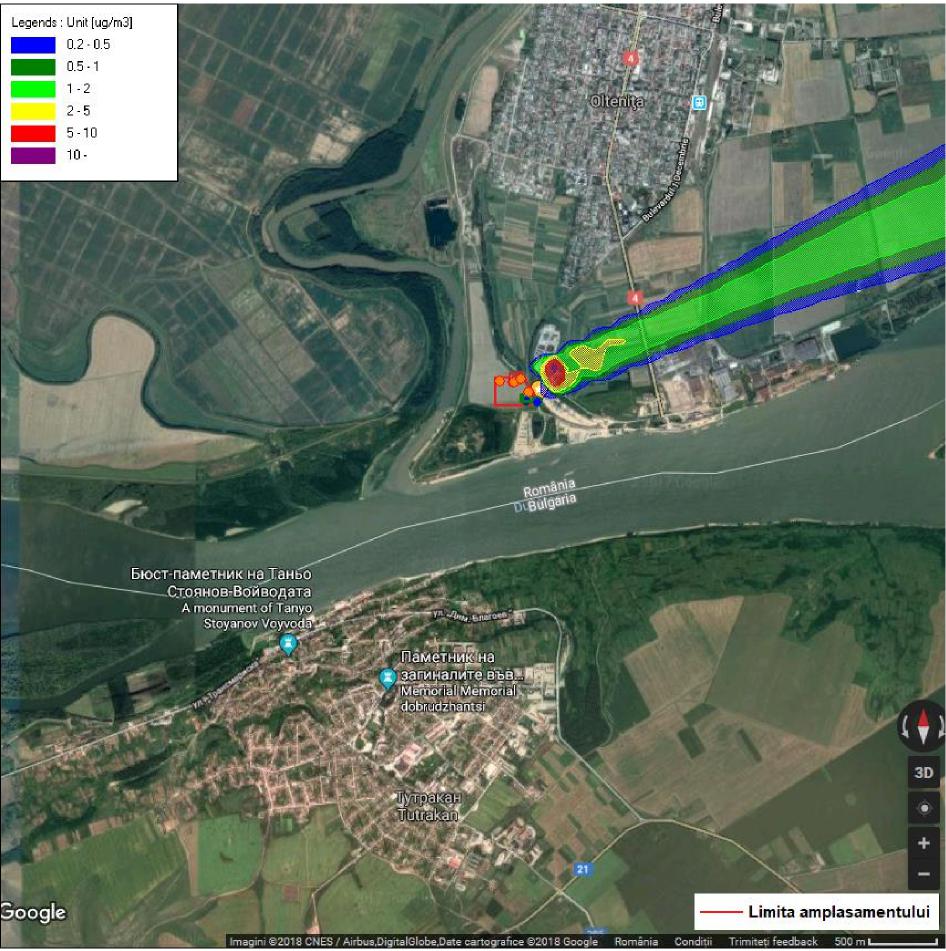


The distribution of NO x concentrations in the air   
Averaging time 60 min.

WSW wind direction, neutral atmospheric stratification (D),   
wind speed 10 m/s, temperature 15 °C (conditions of storm)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 2.72 µg/mc at the point x = 4300 m, y = 4400 m

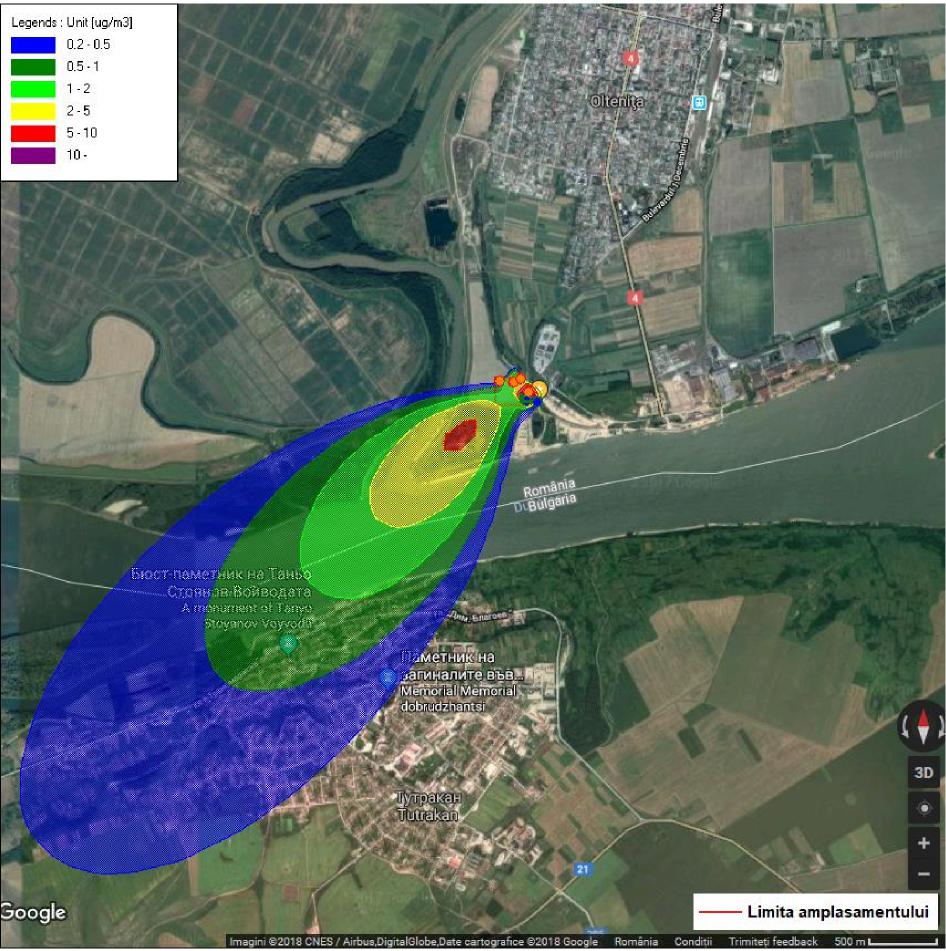


The distribution of NO x concentrations in the air   
Averaging time 60 min.

WSW wind direction, stable atmospheric stratification (F),   
wind speed 0.5 m/s, temperature 15 °C (during the night)

LV = 350 μg/mc (Law 104/2011)

Maximum concentration 11.9 µg/mc at the point x = 4100 m, y = 4300 m

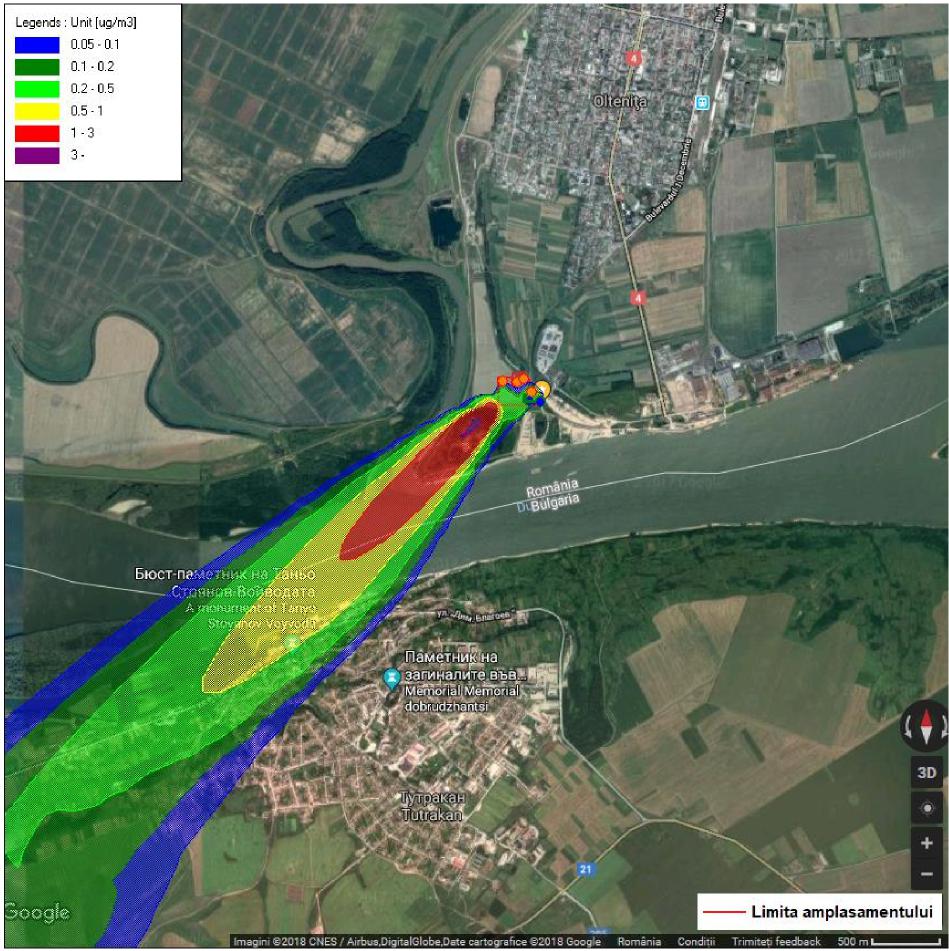


The distribution of NO x concentrations in the air   
Averaging time 60 min.

NE wind direction, unstable atmospheric stratification (B),   
wind speed 1 m/s temperature 25°C (sunny day)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 21.72 µg/mc at the point x = 3900 m, y = 4100 m

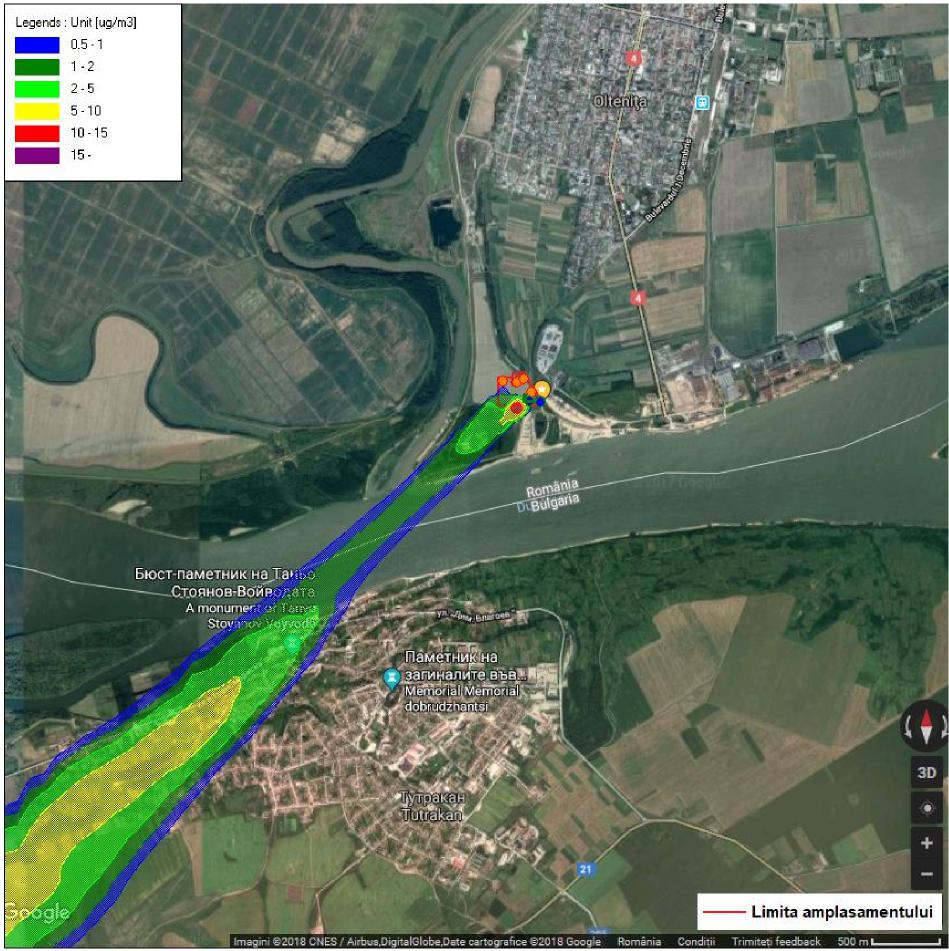


The distribution of NO x concentrations in the air   
Averaging time 60 min.

NE wind direction, neutral atmospheric stratification (D),   
wind speed 10 m/s, temperature 15 °C (conditions of storm)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 3.70 µg/mc at the point x = 3500 m, y = 3900 m

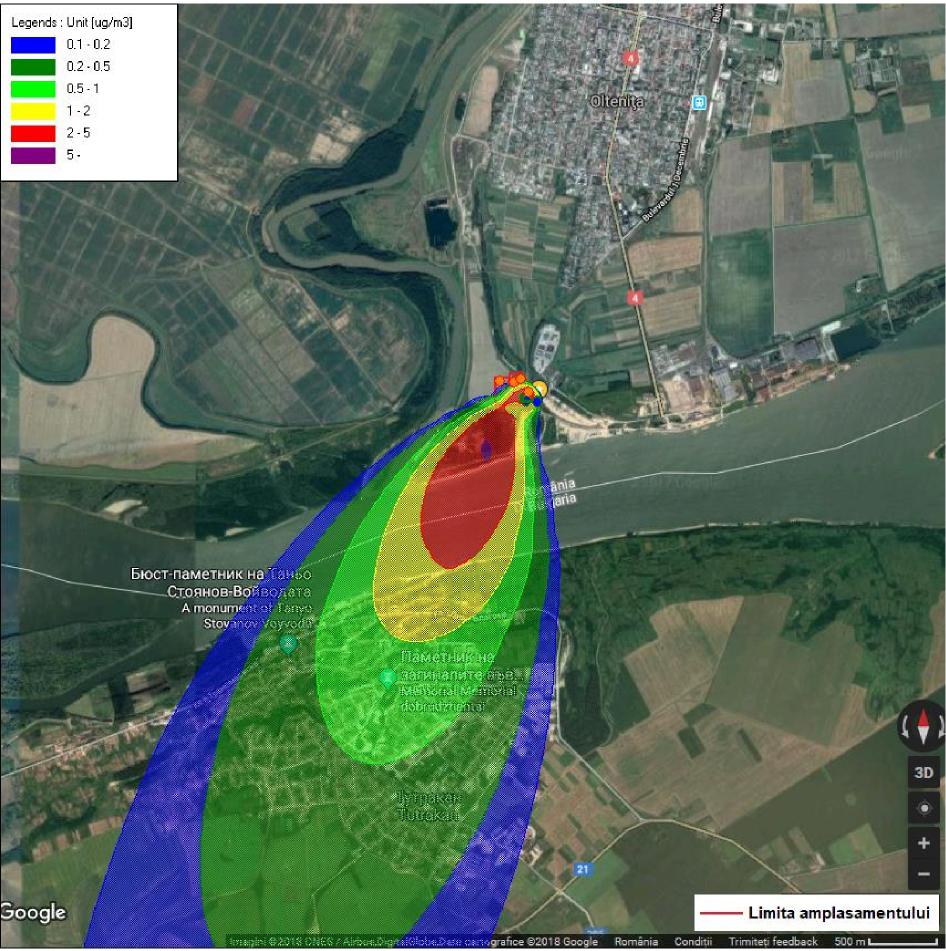


The distribution of NO x concentrations in the air   
Averaging time 60 min.

NE wind direction, stable atmospheric stratification (F),   
wind speed 0.5 m/s, temperature 15 °C (during the night)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 16.31 µg/mc at the point x = 3800 m, y = 4000 m

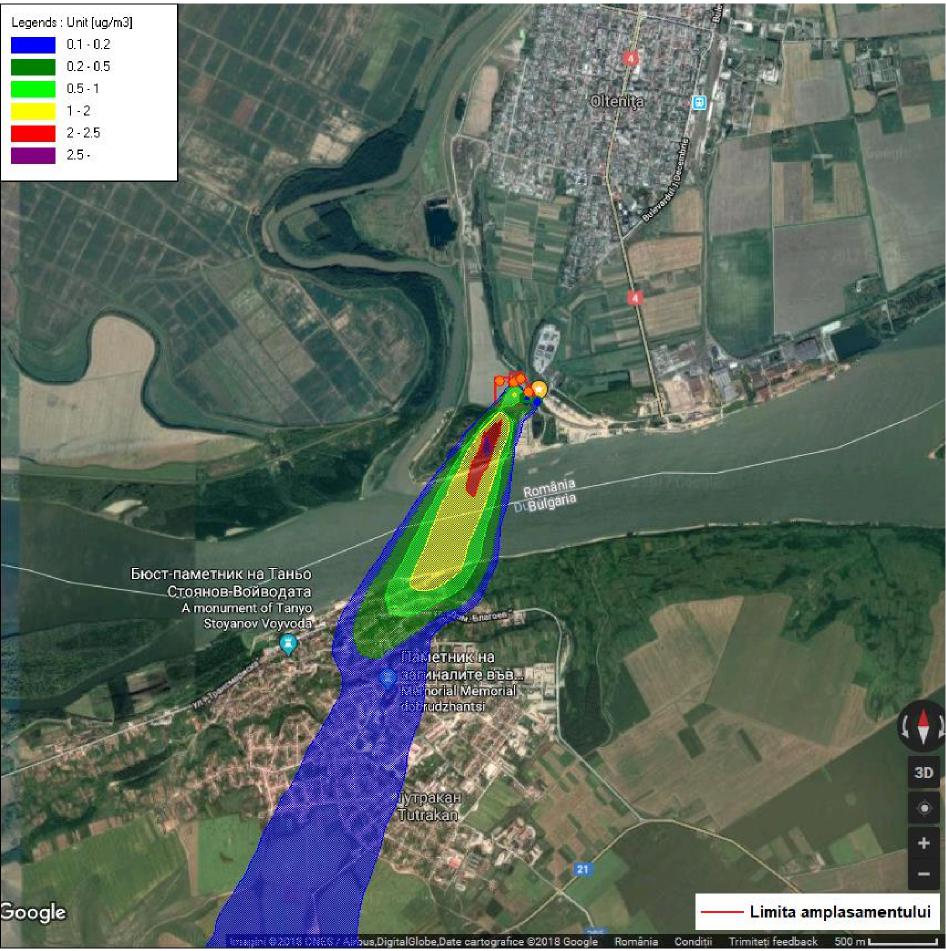


The distribution of NO x concentrations in the air   
Averaging time 60 min.

NNE wind direction, unstable atmospheric stratification (B),   
wind speed 1 m/s temperature 25°C (sunny day)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 5.28 µg/mc at the point x = 3600 m, y = 3700 m

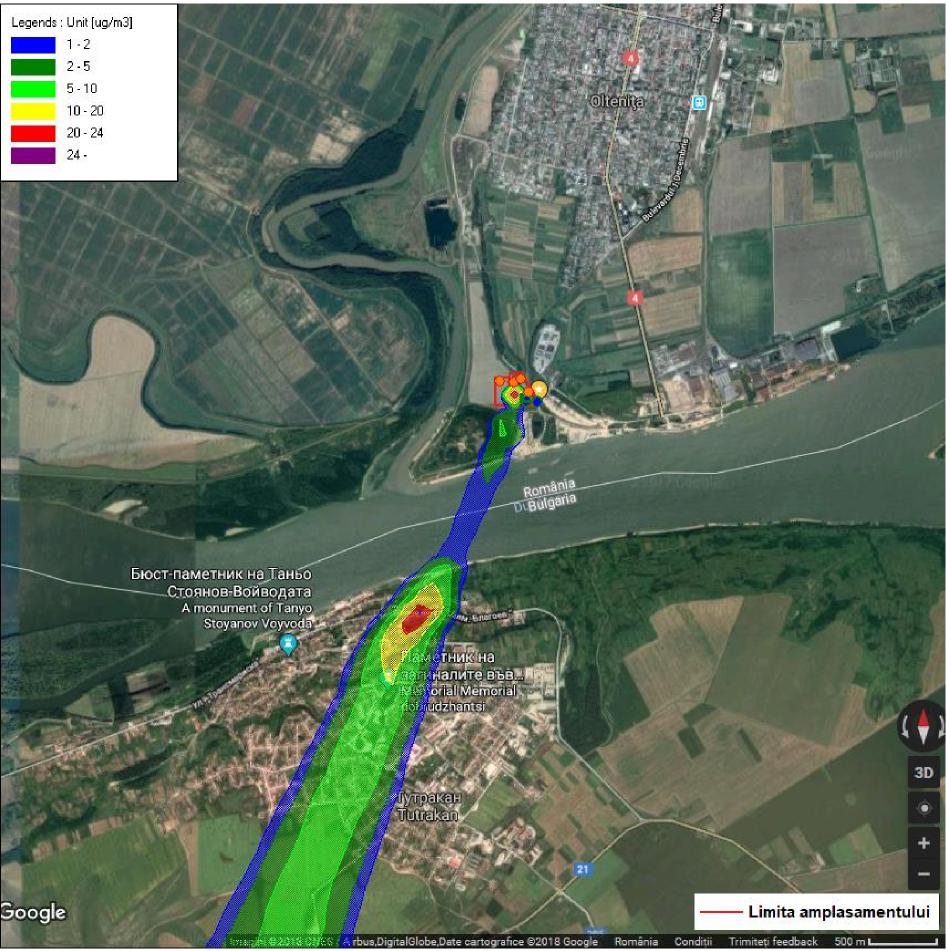


The distribution of NO x concentrations in the air   
Averaging time 60 min.

NNE wind direction, neutral atmospheric stratification (D),   
wind speed 10 m/s, temperature 15 °C (conditions of storm)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 2.83 µg/mc at the point x = 3600 m, y = 3700 m

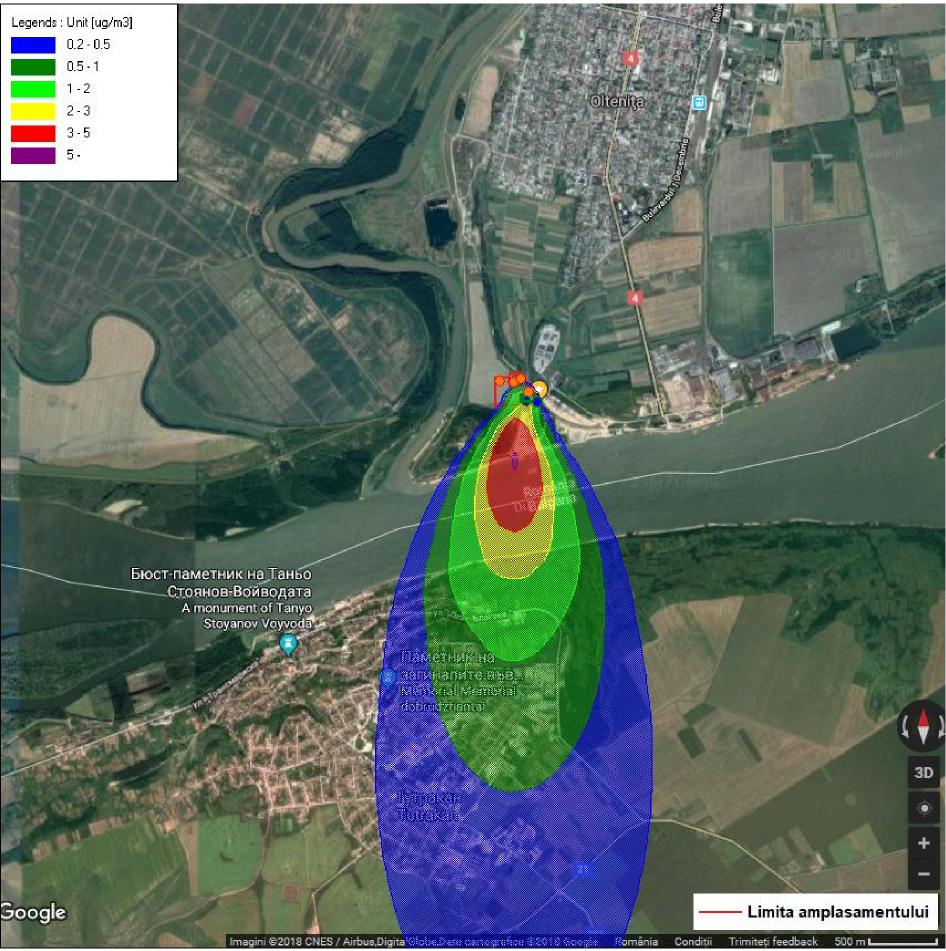


The distribution of NO x concentrations in the air   
Averaging time 60 min.

NNE wind direction, stable atmospheric stratification (F),   
wind speed 0.5 m/s, temperature 15 °C (during the night)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 26.32 µg/mc at the point x = 3800 m, y = 4100 m

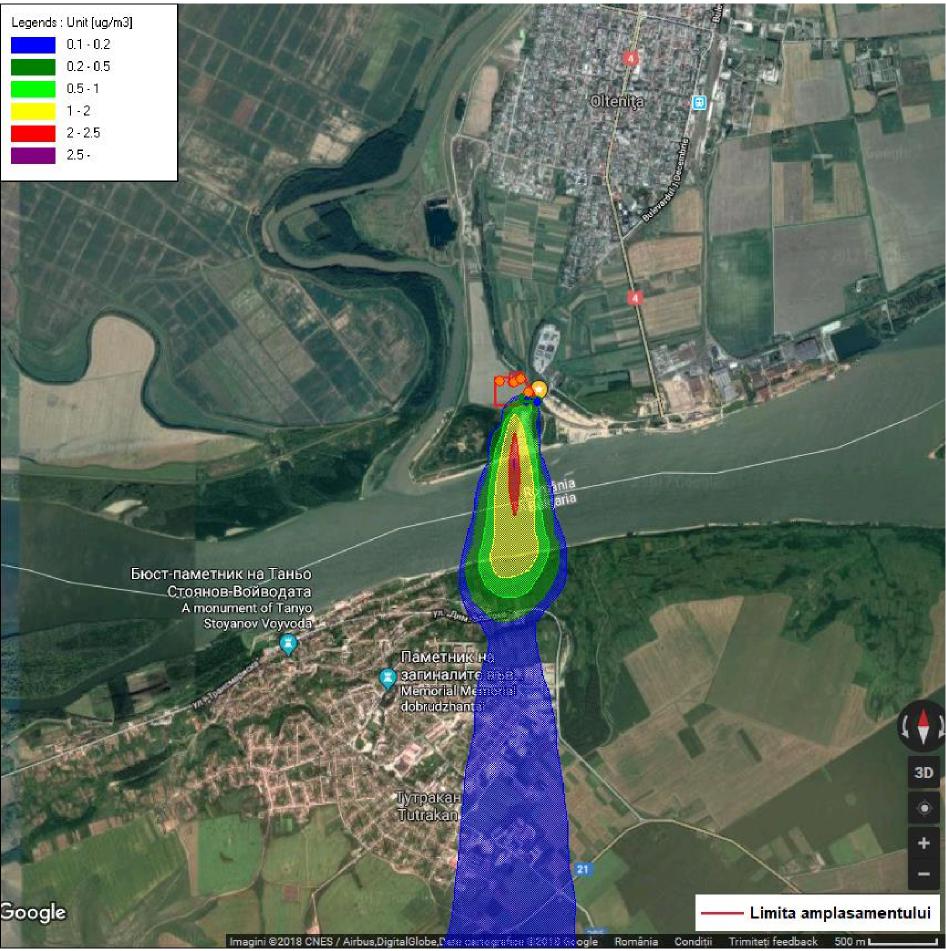


The distribution of NO x concentrations in the air   
Averaging time 60 min.

N wind direction, unstable atmospheric stratification (B),   
wind speed 1 m/s temperature 25°C (sunny day)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 5.14 µg/mc at the point x = 3800 m, y = 3600 m

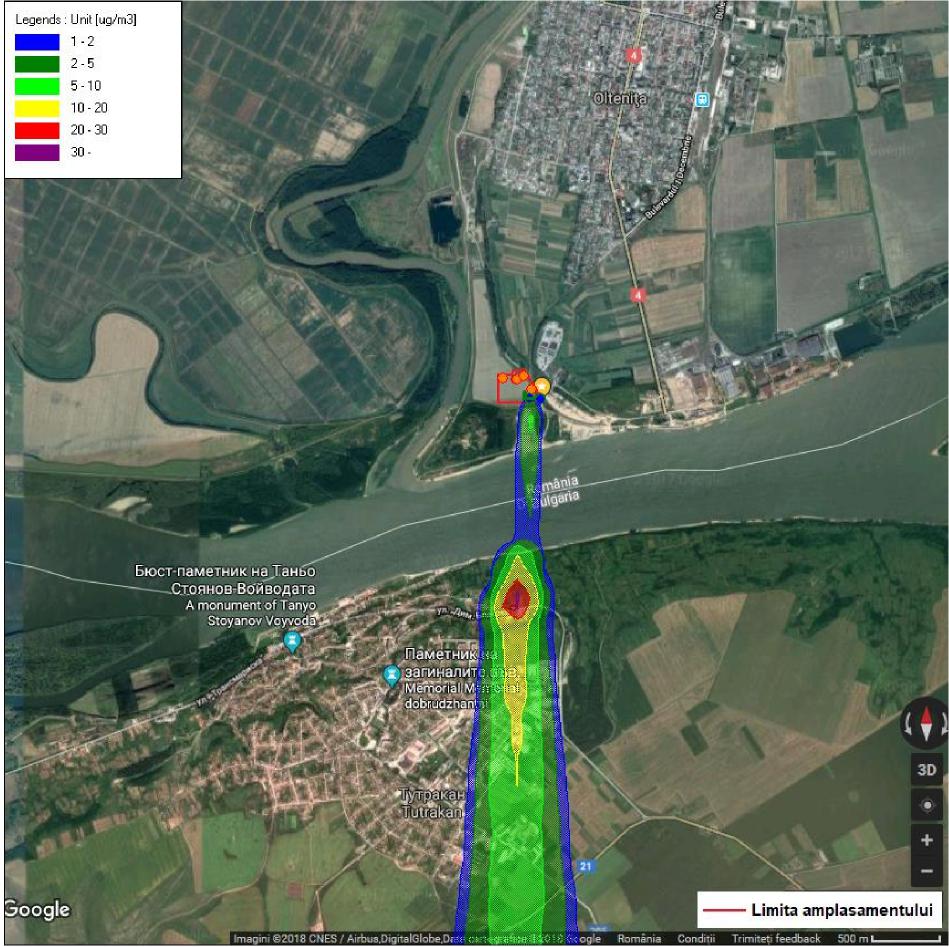


The distribution of NO x concentrations in the air   
Averaging time 60 min.

N wind direction, neutral atmospheric stratification (D),   
wind speed 10 m/s, temperature 15 °C (conditions of storm)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 2.53 µg/mc at the point x = 3800 m, y = 3600 m

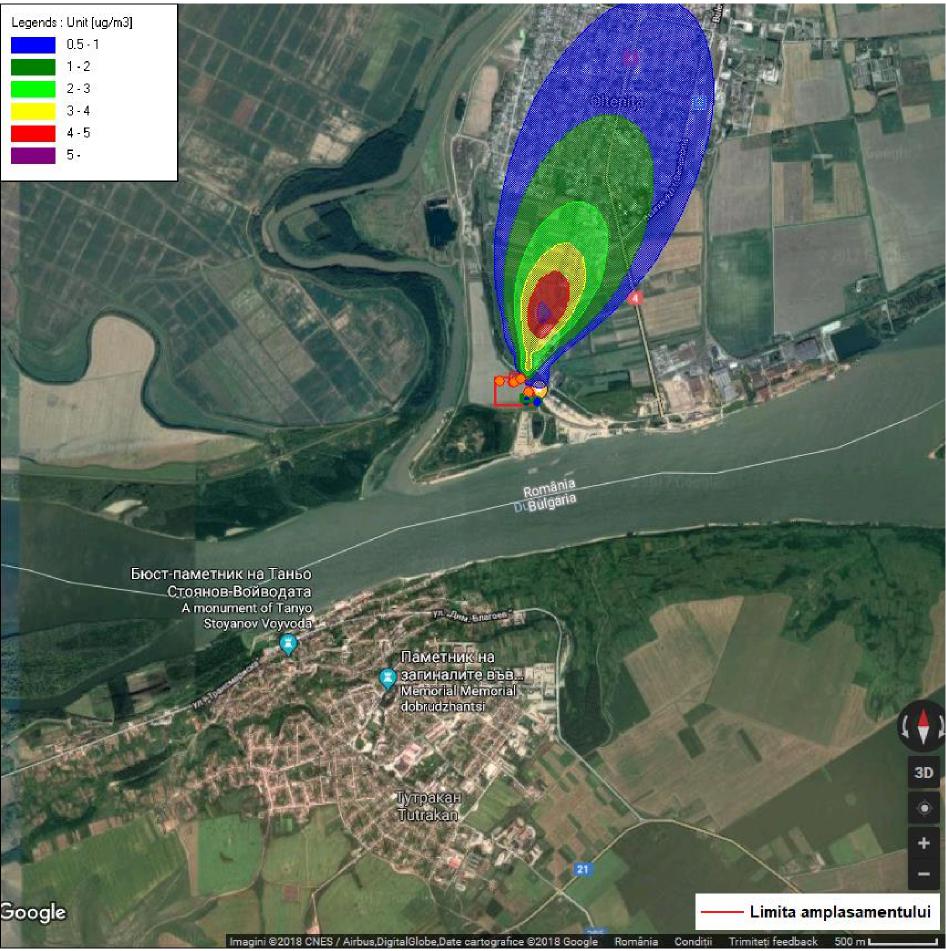


The distribution of NO x concentrations in the air   
Averaging time 60 min.

N wind direction, stable atmospheric stratification (F),   
wind speed 0.5 m/s, temperature 15 °C (during the night)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 31.27 µg/mc at the point x = 3800 m, y = 2600 m

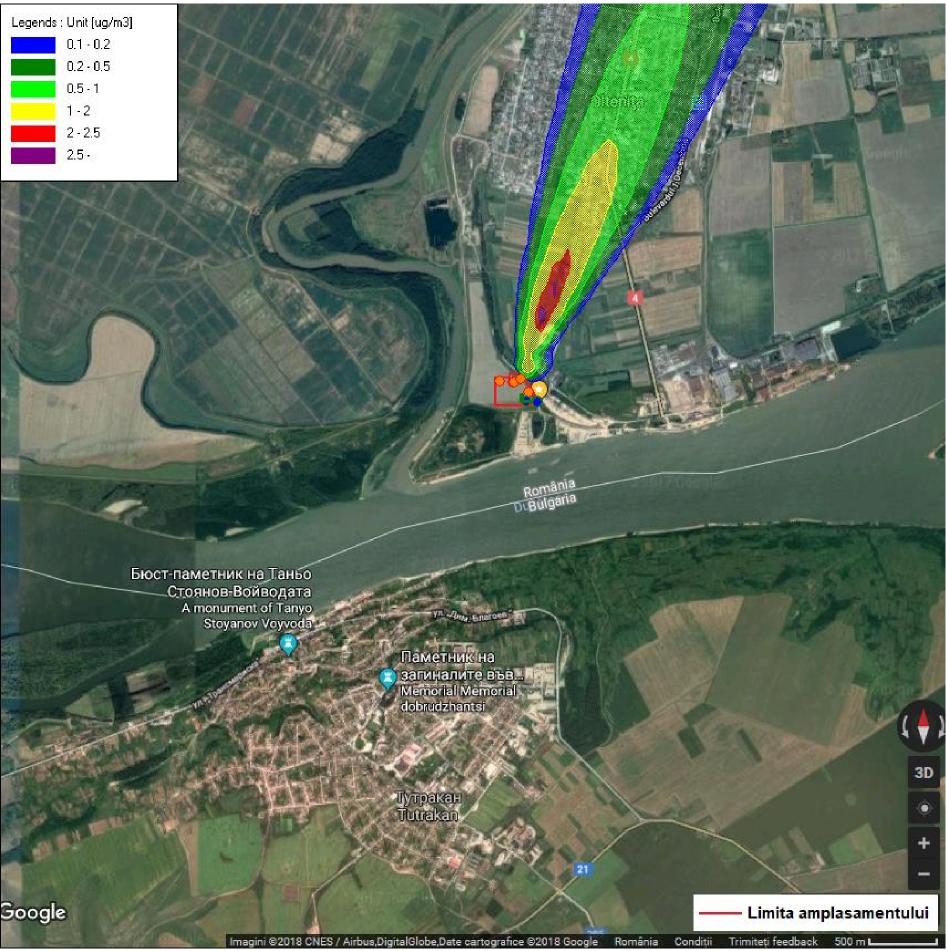


The distribution of NO x concentrations in the air   
Averaging time 60 min.

SSW wind direction, unstable atmospheric stratification (B),   
wind speed 1 m/s temperature 25°C (sunny day)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 5.37 µg/mc at the point x = 4000 m, y = 4700 m

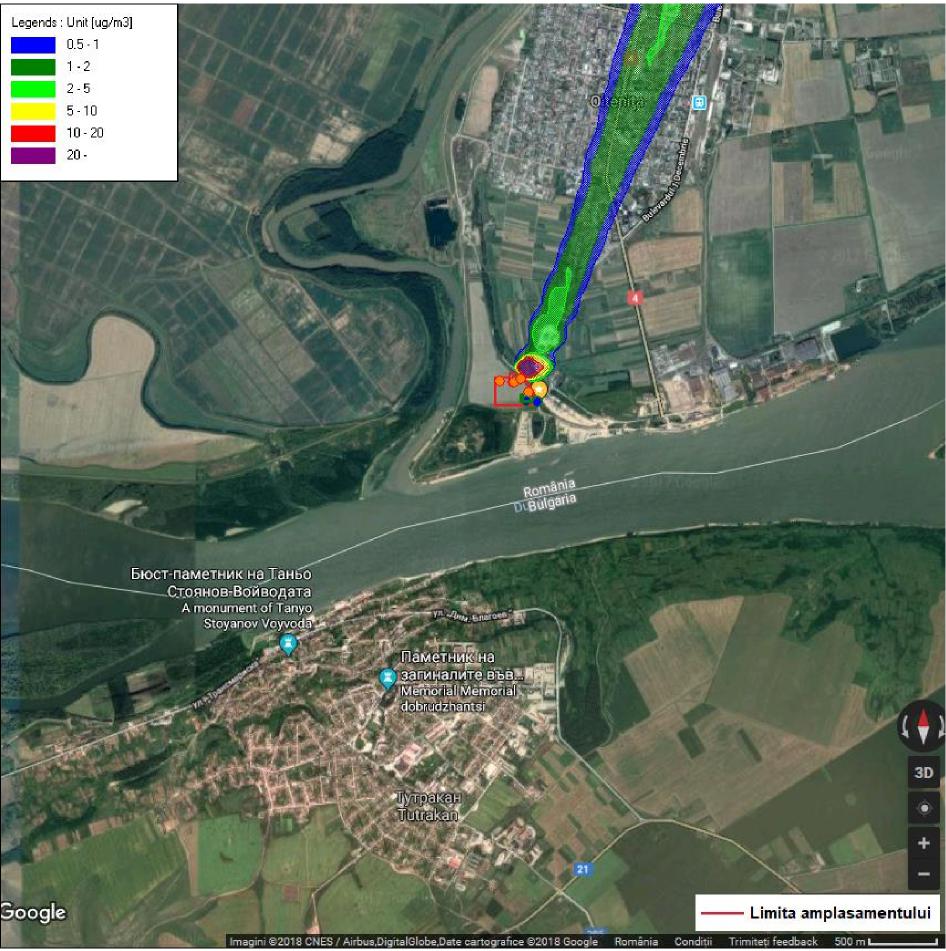


The distribution of NO x concentrations in the air   
Averaging time 60 min.

SSW wind direction, neutral atmospheric stratification (D),   
wind speed 10 m/s, temperature 15 °C (conditions of storm)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 2.82 µg/mc at the point x = 4000 m, y = 4700 m

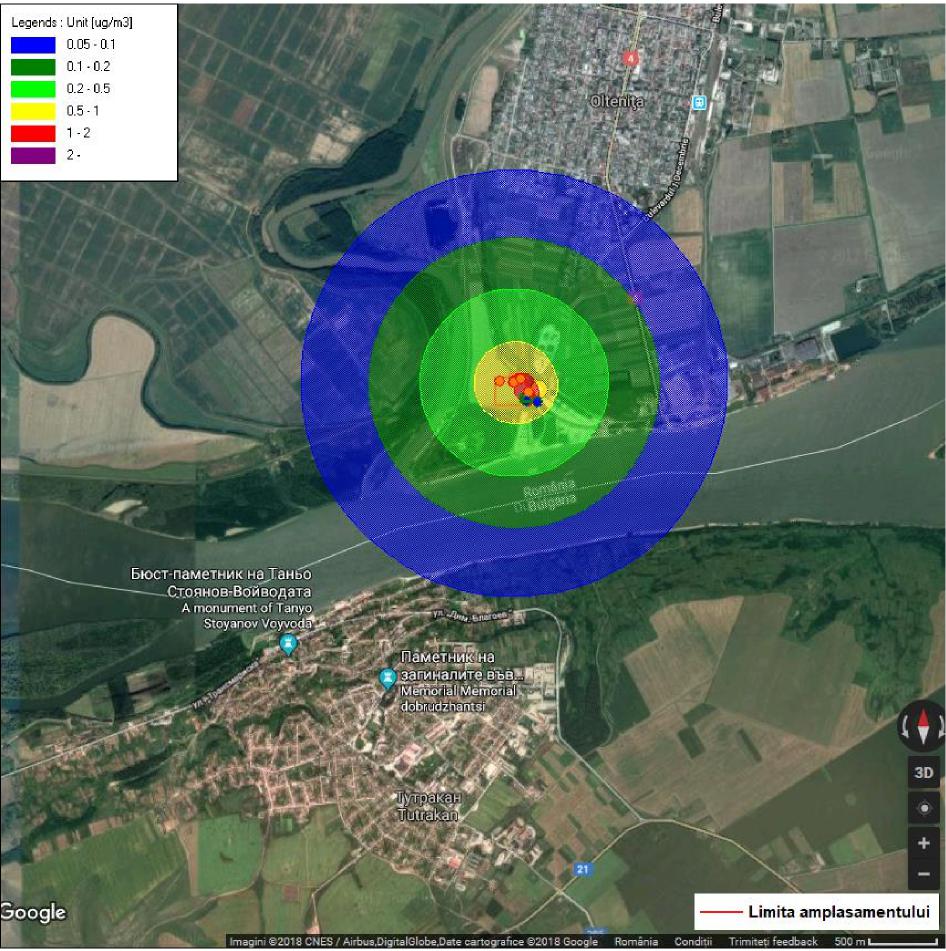


The distribution of NO x concentrations in the air   
Averaging time 60 min.

SSW wind direction, stable atmospheric stratification (F),   
wind speed 0.5 m/s, temperature 15 °C (during the night)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 42.7 µg/mc at the point x = 3900 m, y = 4300 m



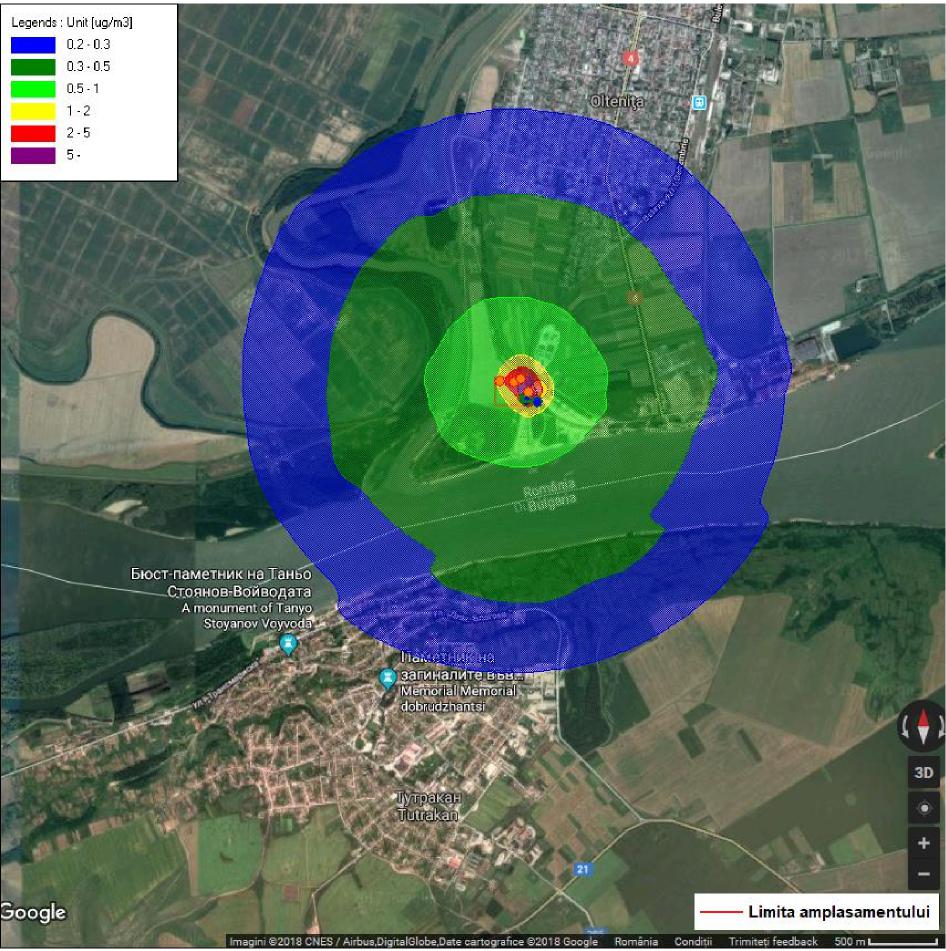
The distribution of NO x concentrations in the air   
Averaging time 60 min.

Unstable atmospheric stratification (B),

Calm atmosphere, temperature 25 °C (sunny day)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 2.54 µg/mc at the point x = 3900 m, y = 4100 m



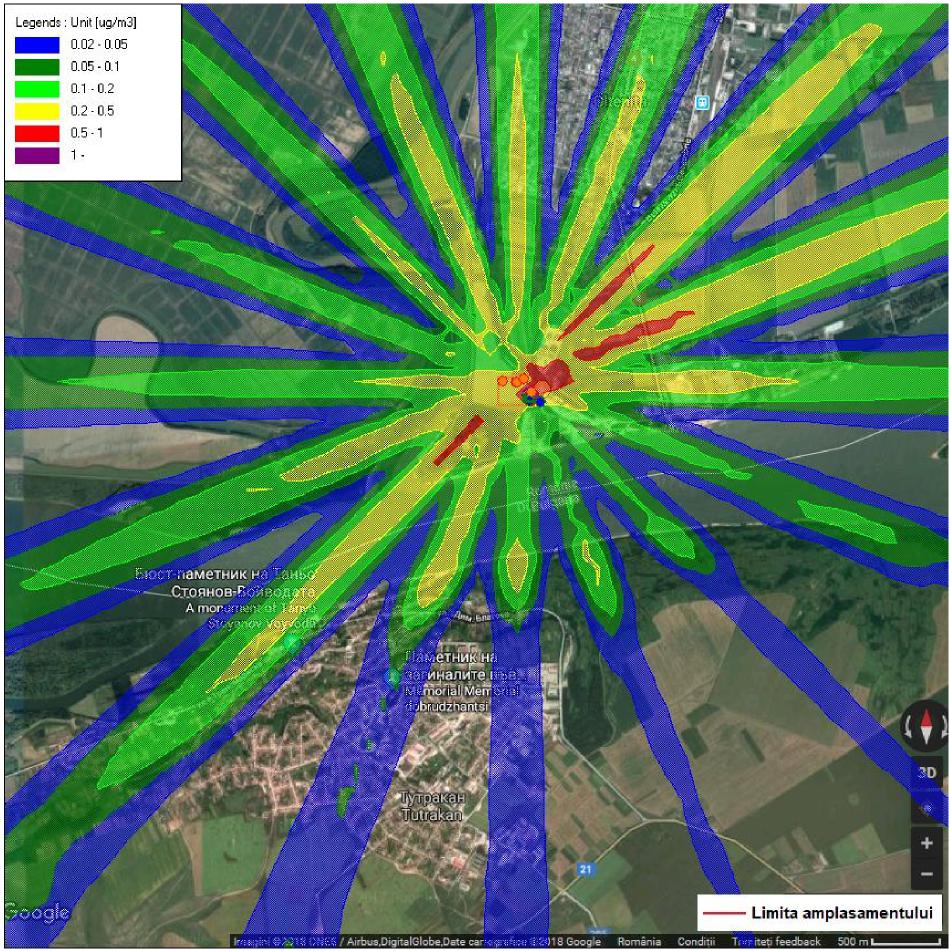
The distribution of NO x concentrations in the air   
Averaging time 60 min.

Stable atmospheric stratification (F),

Calm atmosphere, temperature 15 °C (during the night)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 10.6 µg/mc at the point x = 3900 m, y = 4100 m



The distribution of NO x concentrations in the air   
Averaging time 1 year (2017)   
Limit value = 40 μg/mc (Law 104/2011)   
The critical level for vegetation protection = 30 μg/mc (Law 104/2011)   
Maximum concentration 1.96 µg/mc at the point x = 3900 m, y = 4100 m