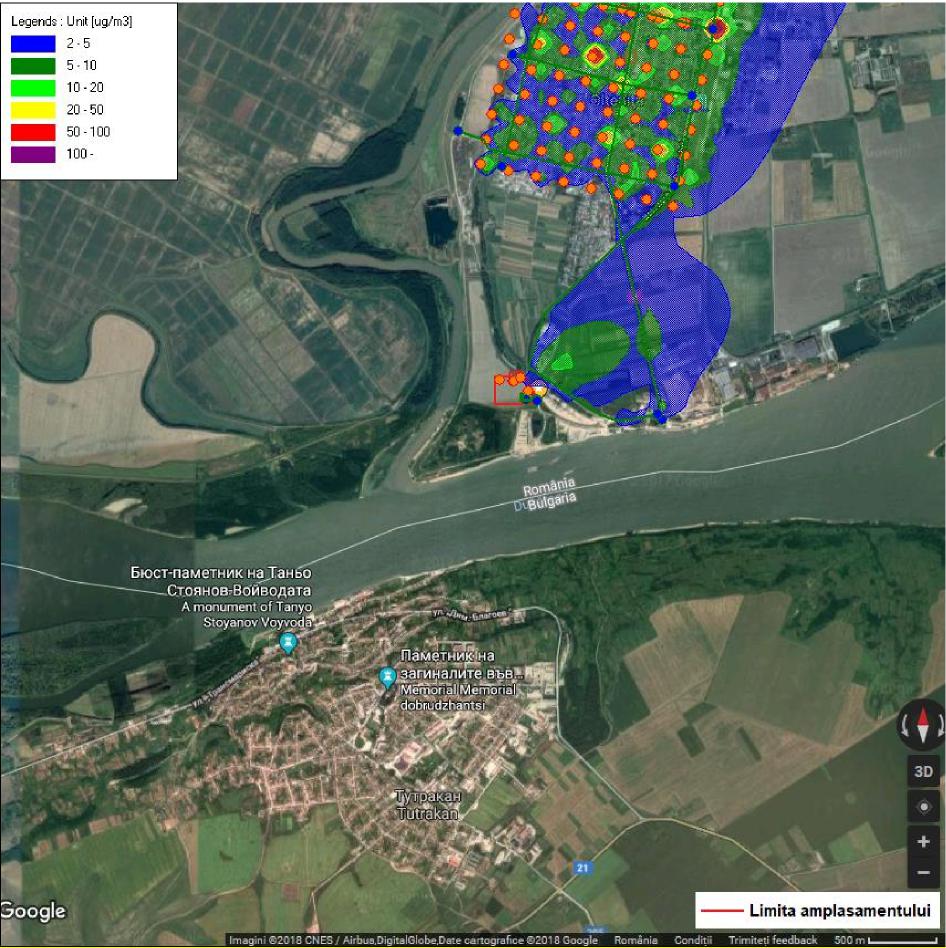
**Annex no. 19**– The spatial distribution of NOx concentration in the air for the analysed scenarios –

cumulative impact

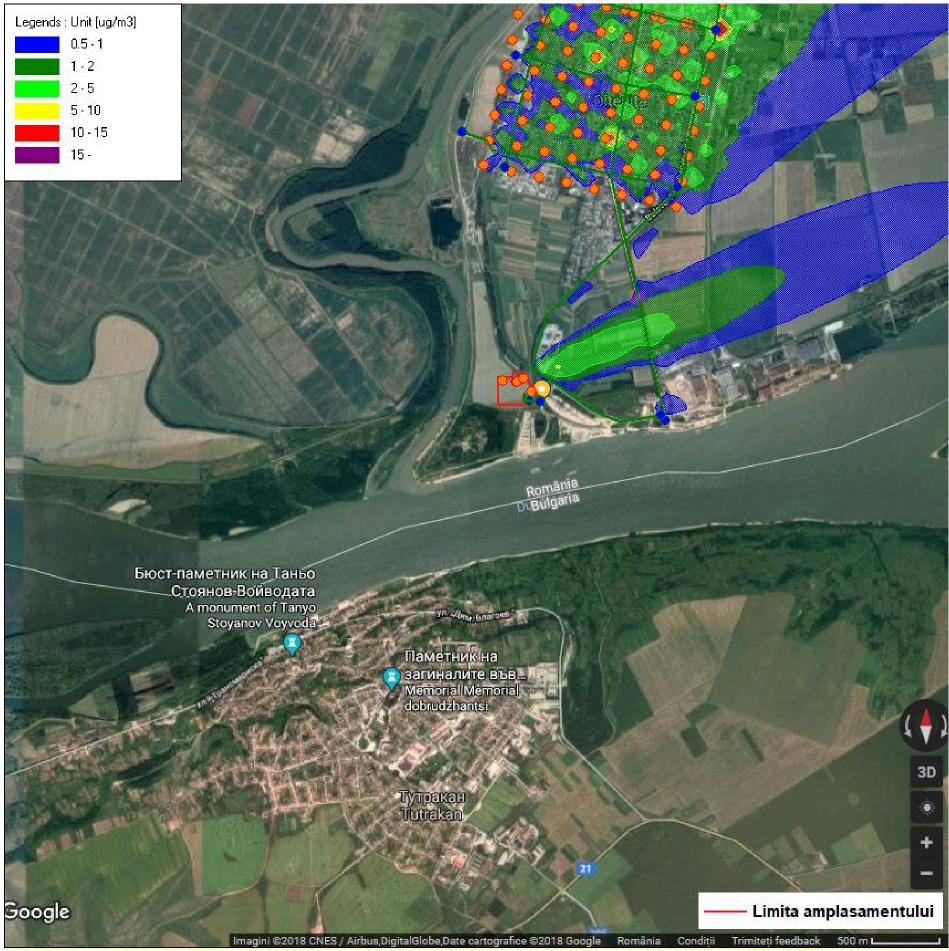


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 144.3 µg/mc at the point x = 5300 m, y = 6800 m

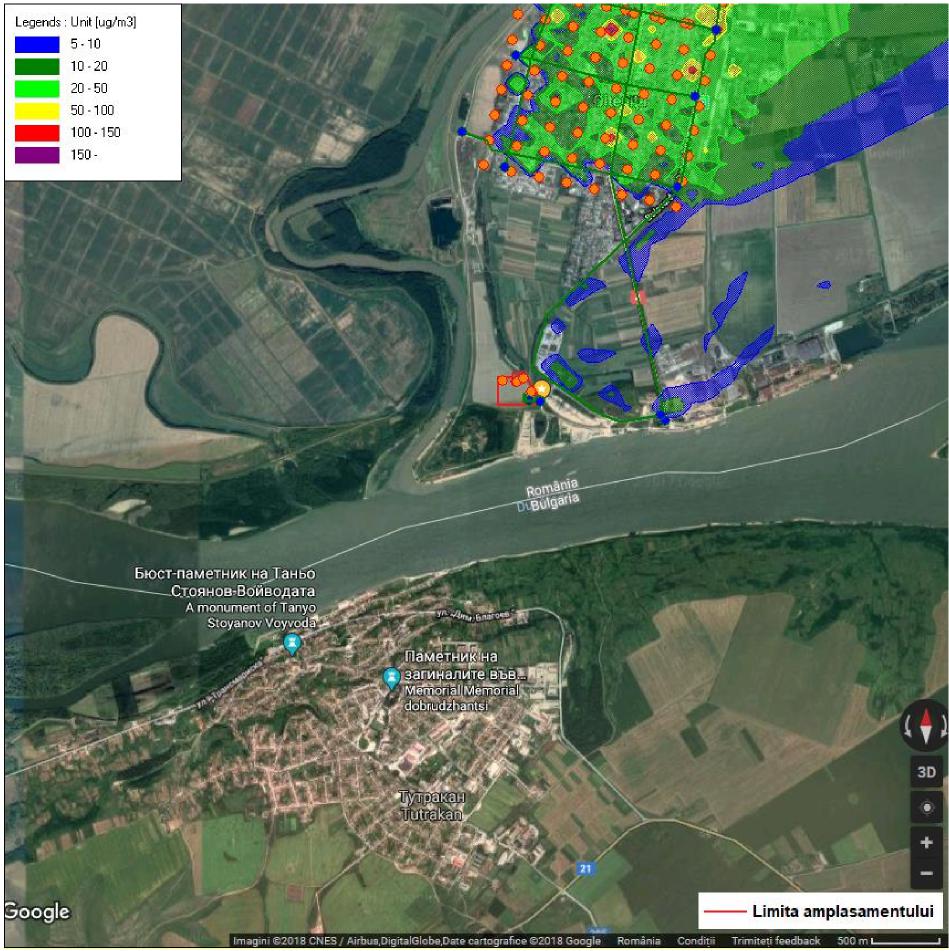


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 18.00 µg/mc at the point x = 5300 m, y = 6800 m

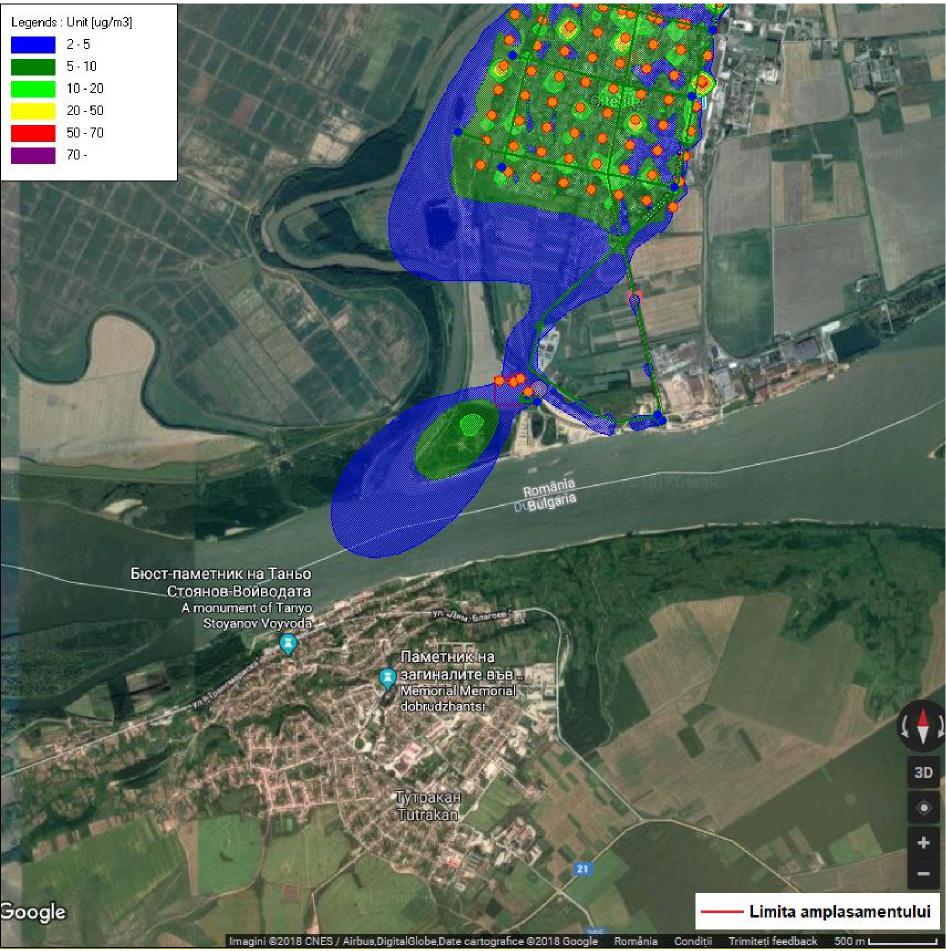


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 172.0 µg/mc at the point x = 4500 m, y = 6800 m

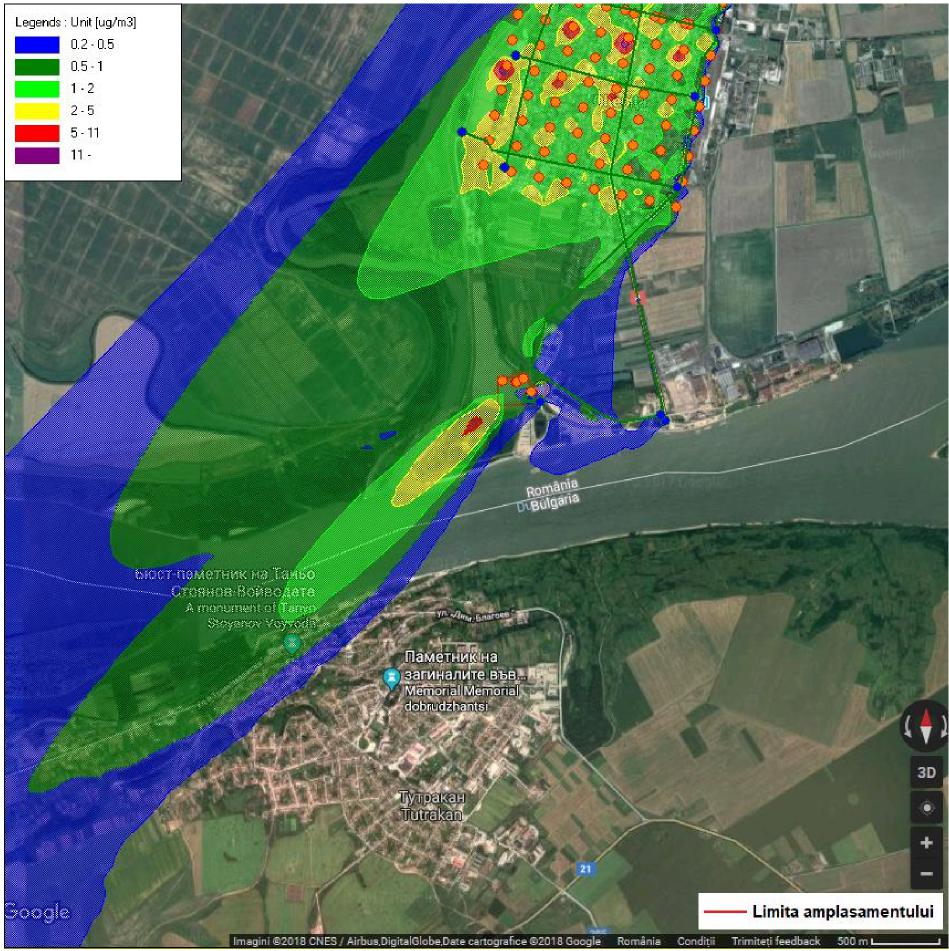


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 74.54 µg/mc at the point x = 5200 m, y = 6400 m

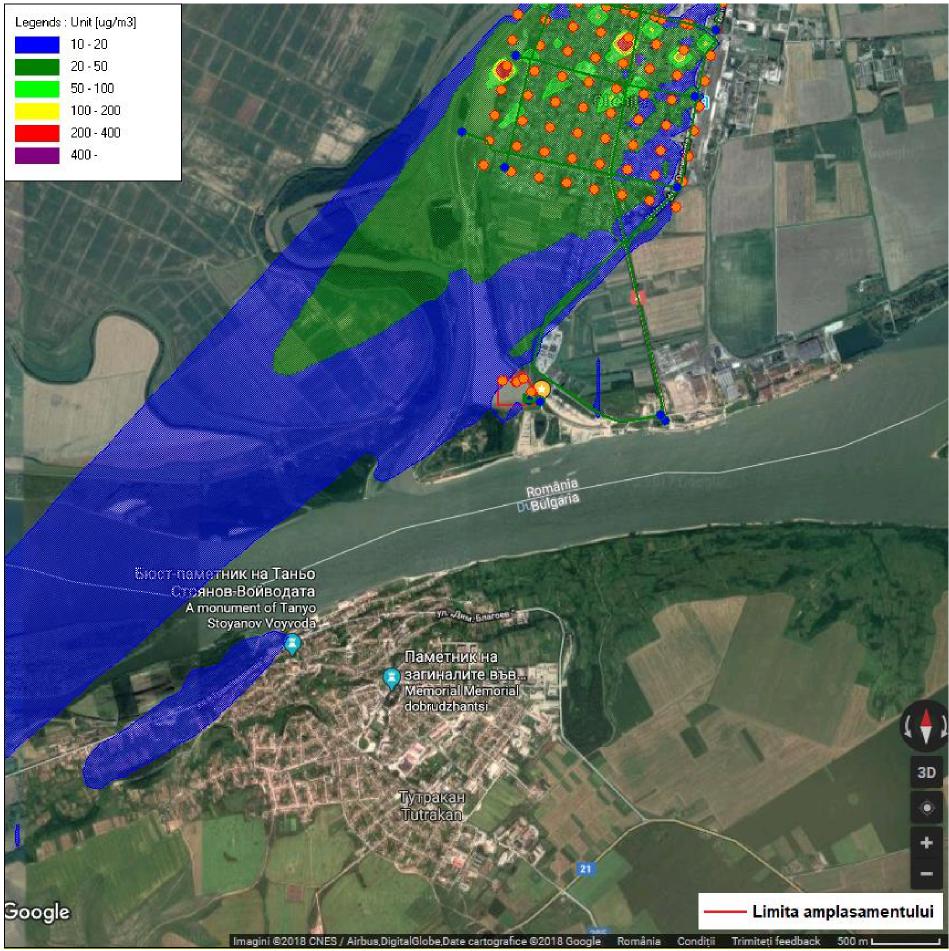


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 14.96 µg/mc at the point x = 4600 m, y = 6700 m

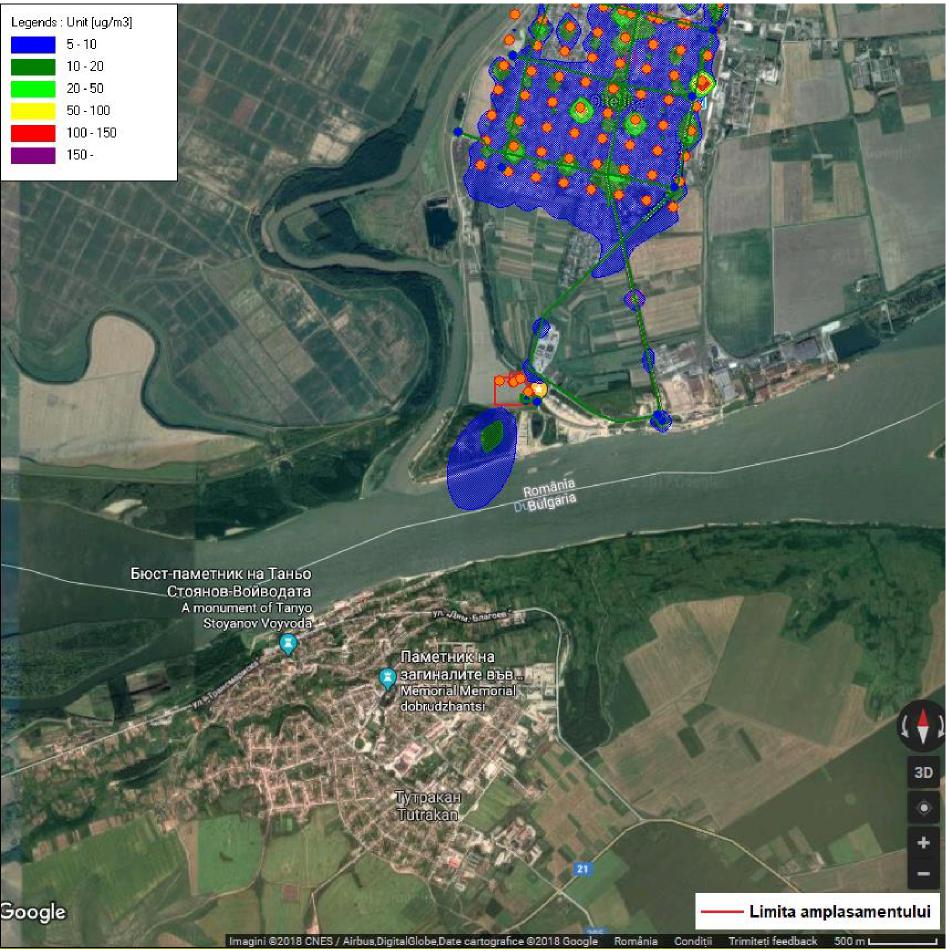


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 404.8 µg/mc at the point x = 3700 m, y = 6500 m

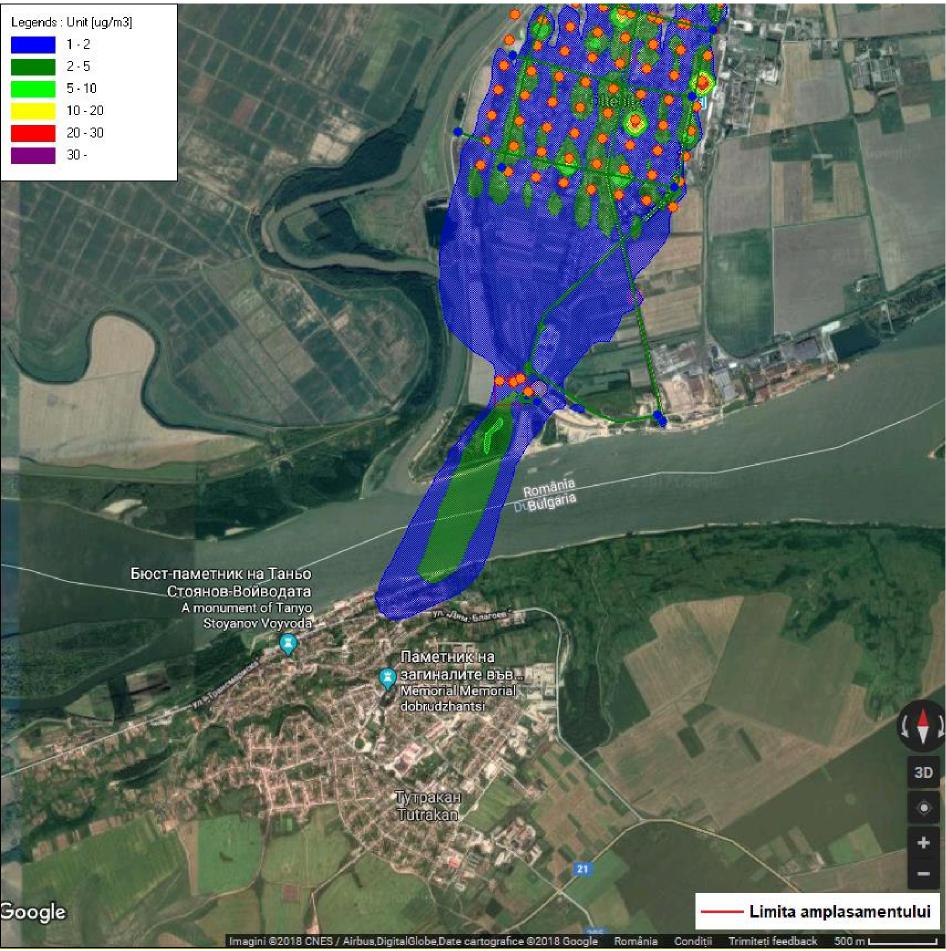


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 178.7 µg/mc at the point x = 5200 m, y = 6400 m

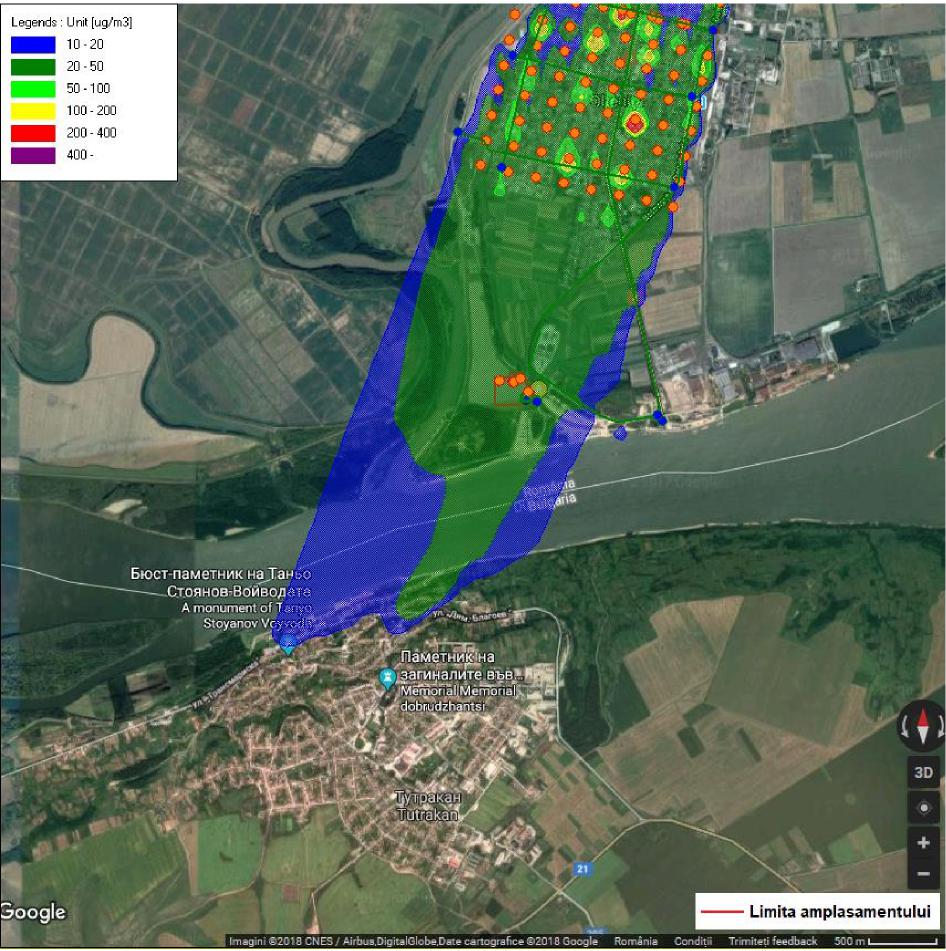


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 33.87 µg/mc at the point x = 5200 m, y = 6400 m

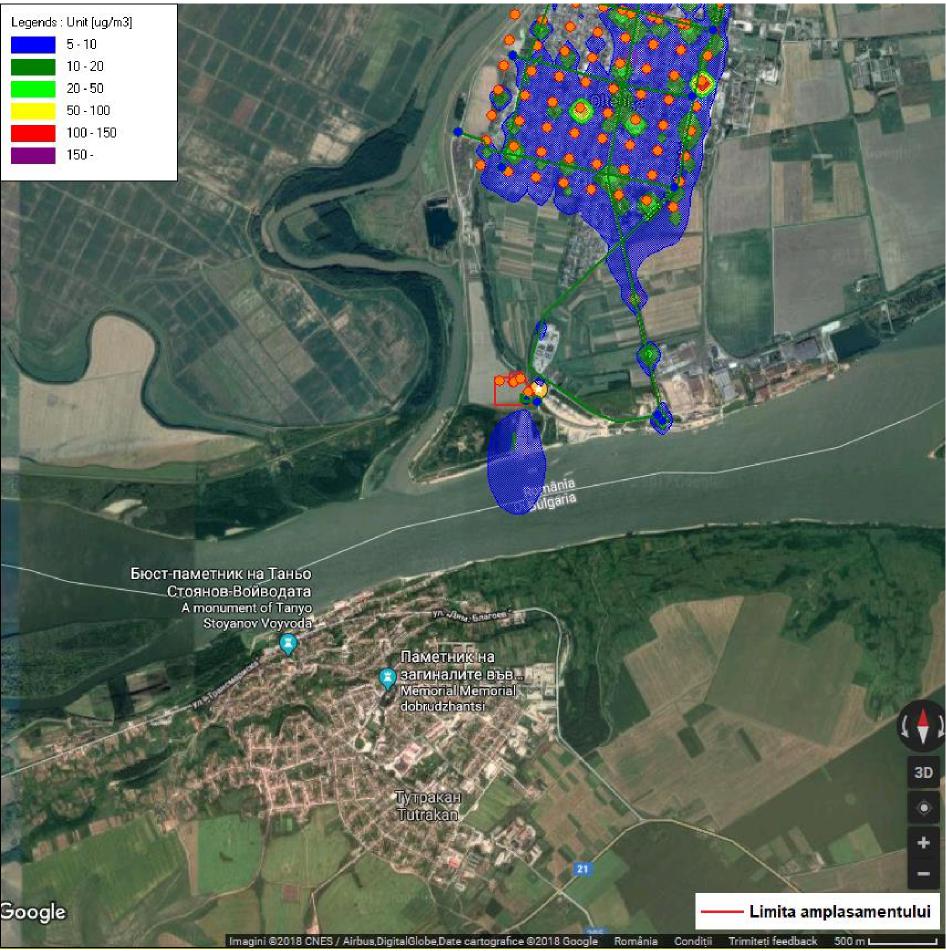


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 432.7 µg/mc at the point x = 4700 m, y = 6100 m

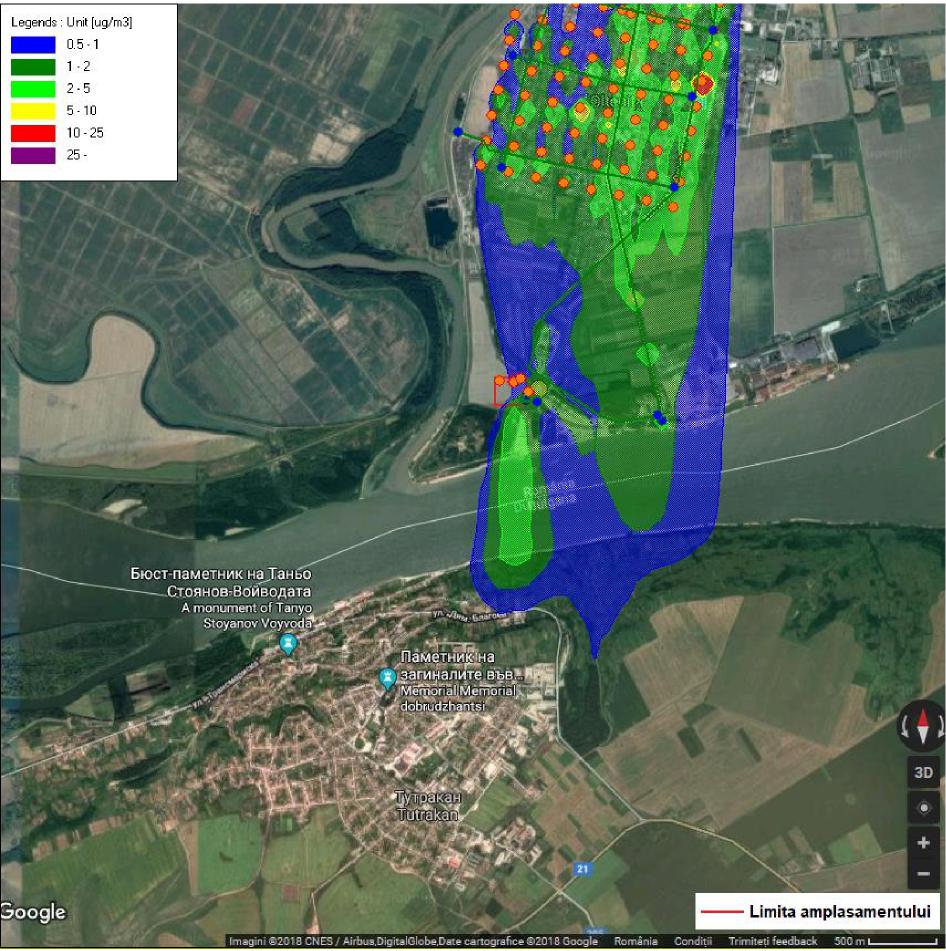


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 177.3 µg/mc at the point x = 5200 m, y = 6400 m

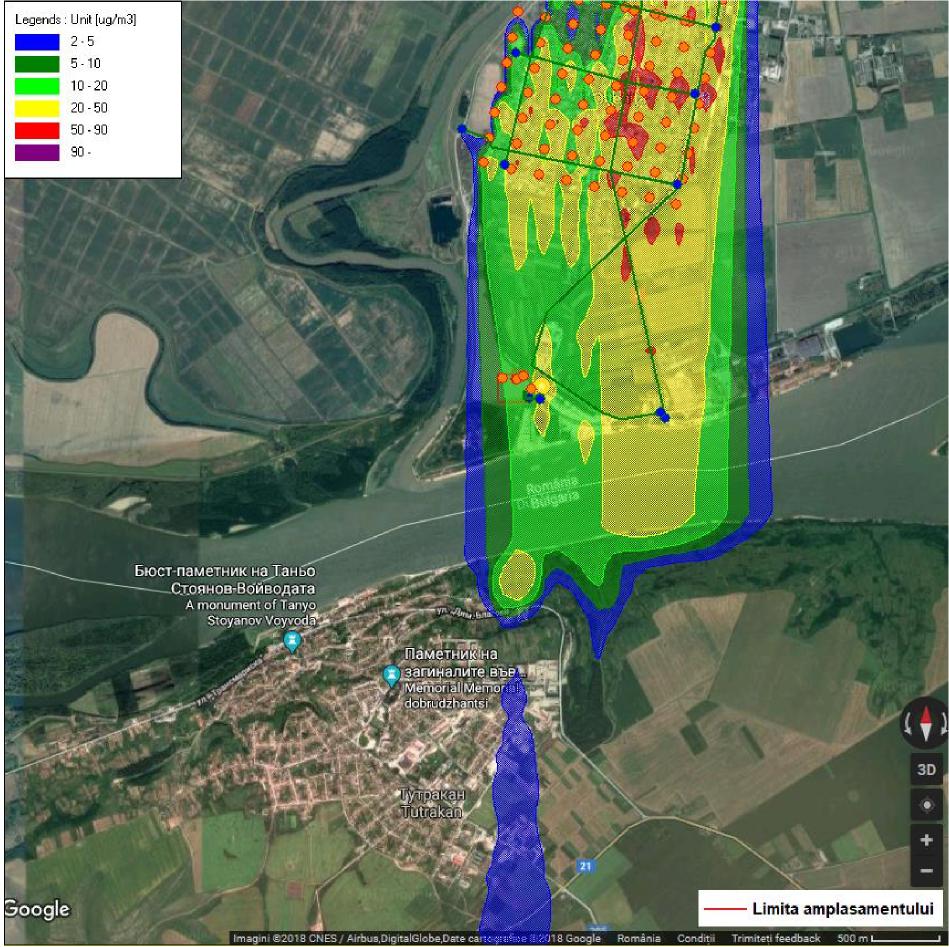


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 28.8 µg/mc at the point x = 5200 m, y = 6400 m

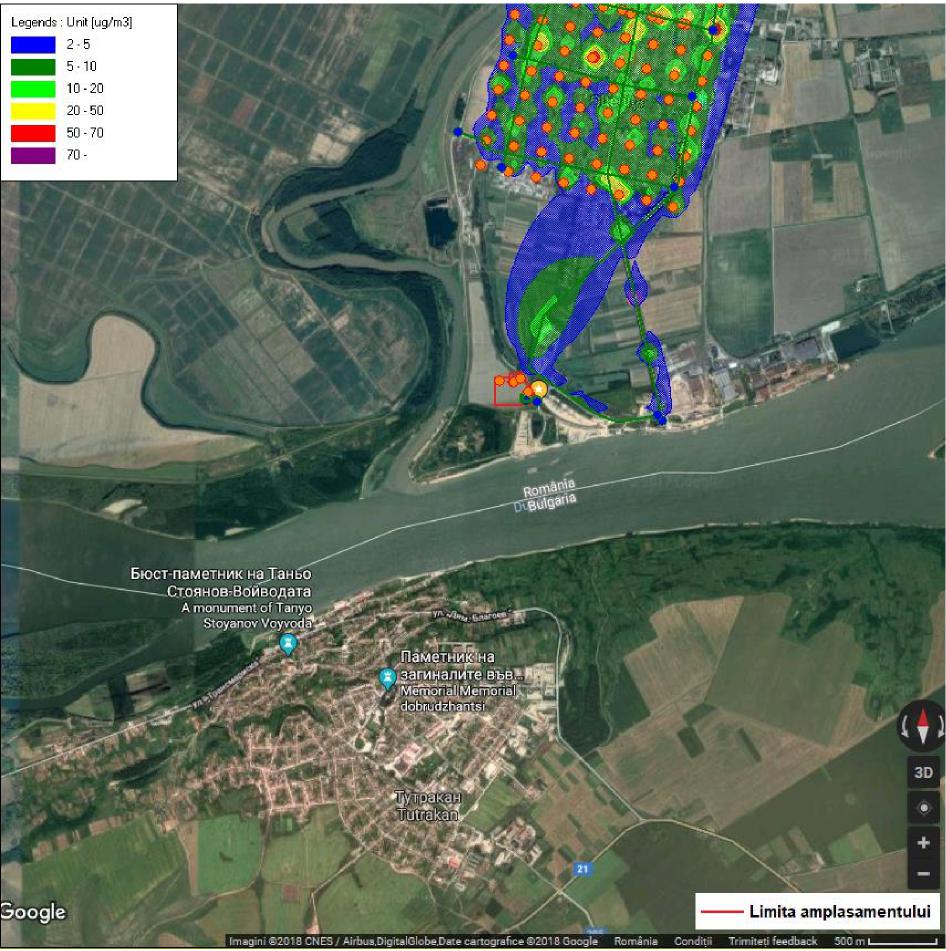


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 98.0 µg/mc at the point x = 5200 m, y = 6300 m

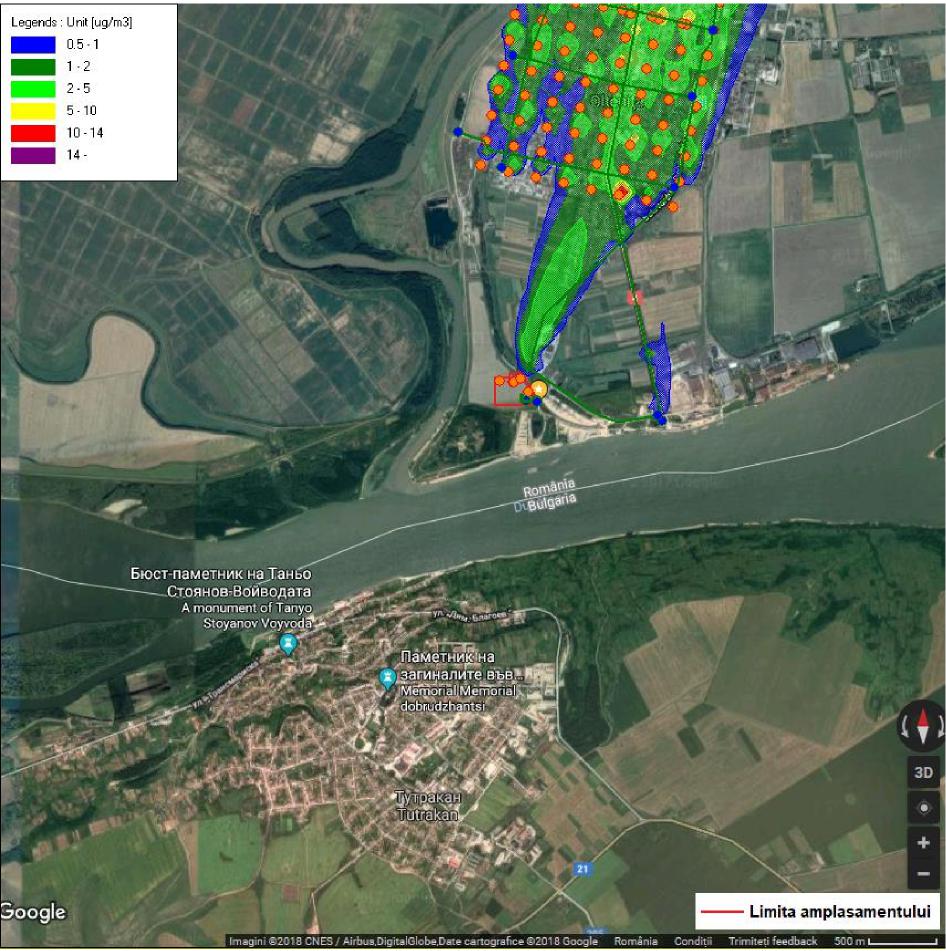


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 75.66 µg/mc at the point x = 5300 m, y = 6800 m

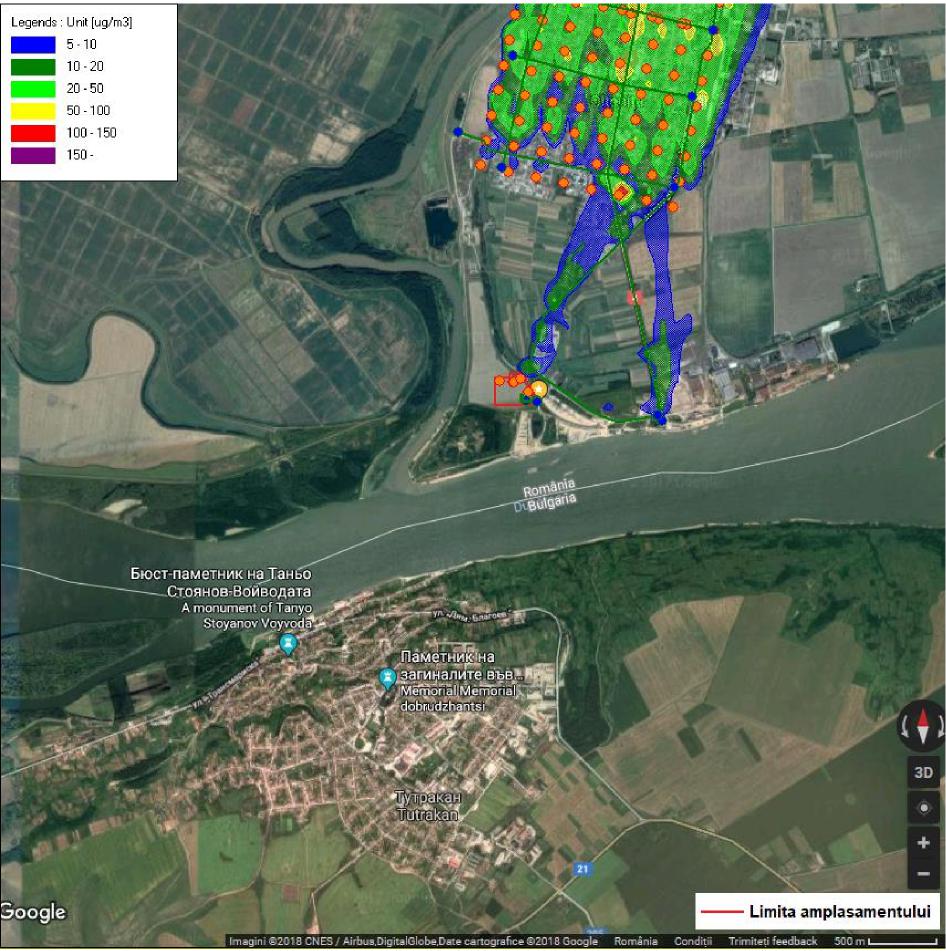


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 16.34 µg/mc at the point x = 4600 m, y = 5600 m

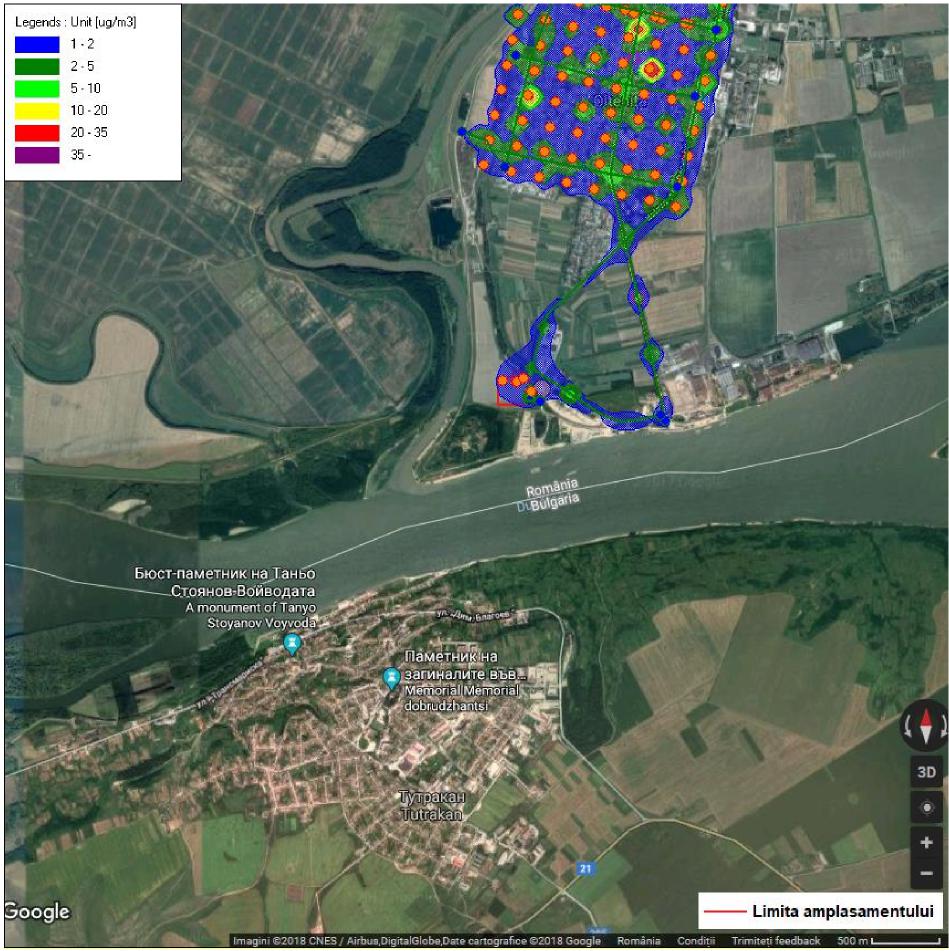


The distribution of NO x concentrations in the air   
Averaging time 60 min.

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 158.5 µg/mc at the point x = 4600 m, y = 5600 m



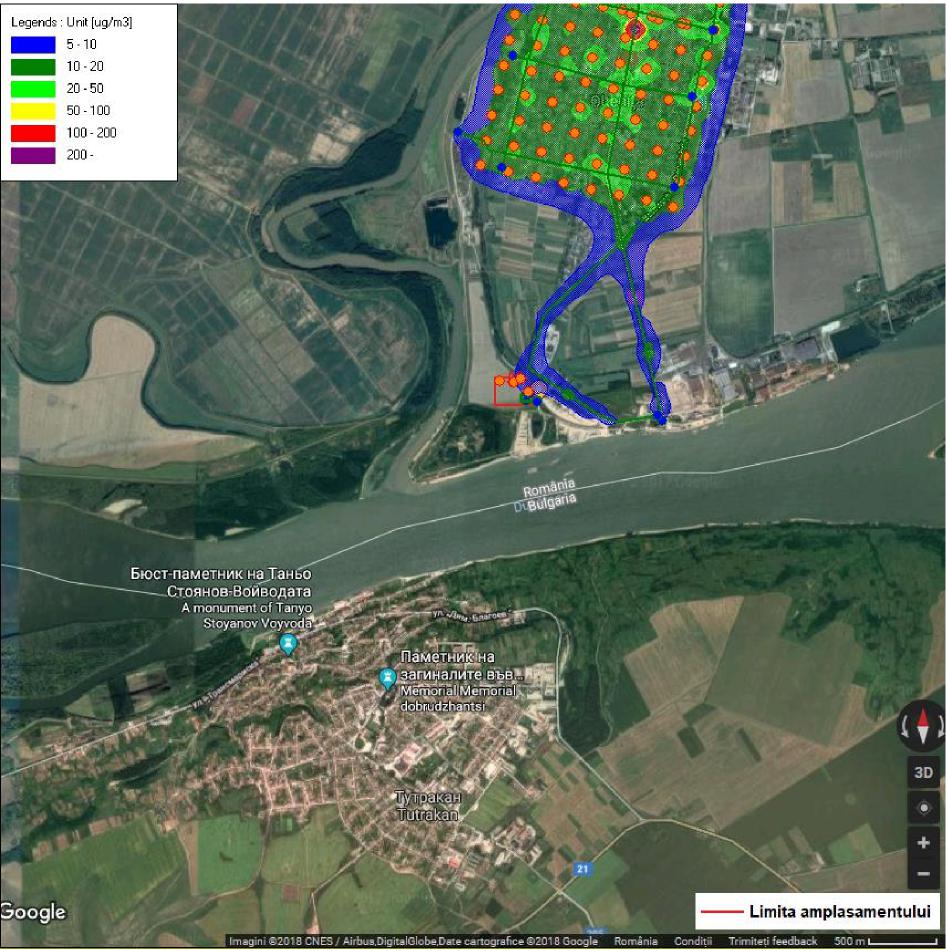
The distribution of NO x concentrations in the air   
Averaging time 60 min.

Unstable atmospheric stratification (B),

Calm atmosphere, temperature 25 °C (sunny day)

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 40.99 µg/mc at the point x = 4800 m, y = 6500 m



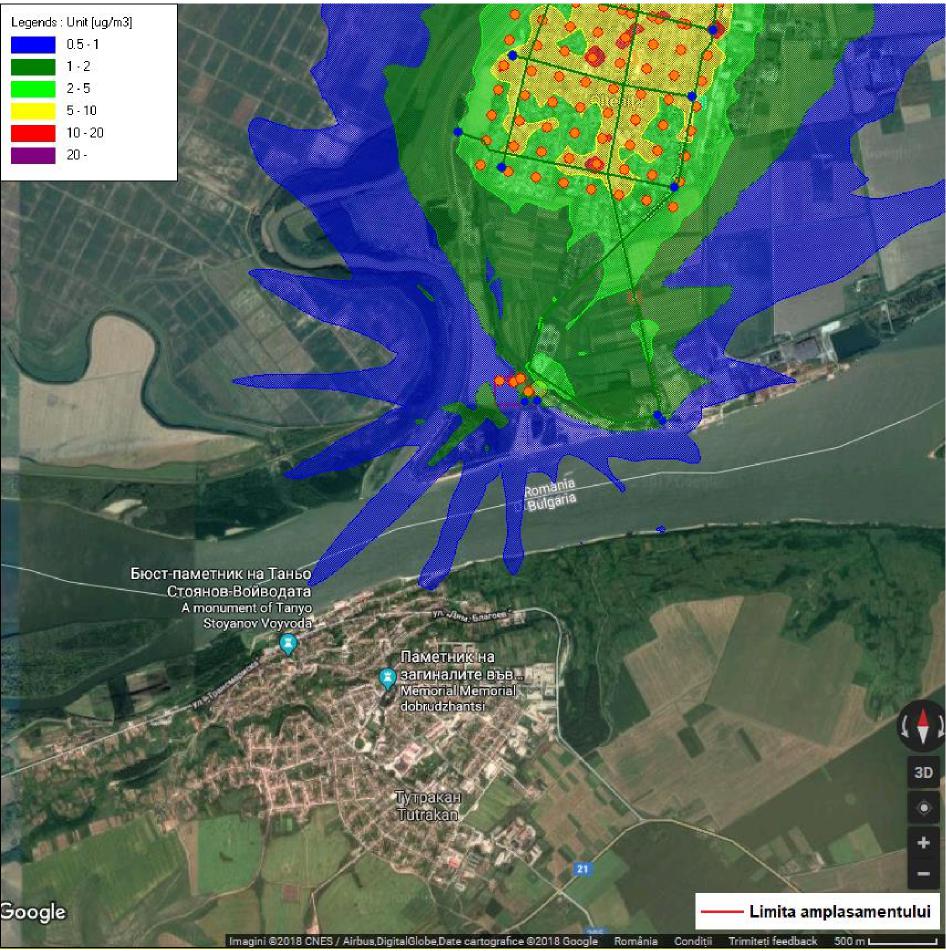
The distribution of NO x concentrations in the air   
Averaging time 60 min.

Stable atmospheric stratification (F),

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

LV = 200 μg/mc (Law 104/2011)

Maximum concentration 279.1 µg/mc at the point x = 4700 m, y = 6800 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 21.9 µg/mc at the point x = 4400 m, y = 6600 m