

Sarajevo-Green City Project

I care about air



POSLOVNA ŽENA
REGIONALNA ASOCIJACIJA PODUZETNICA

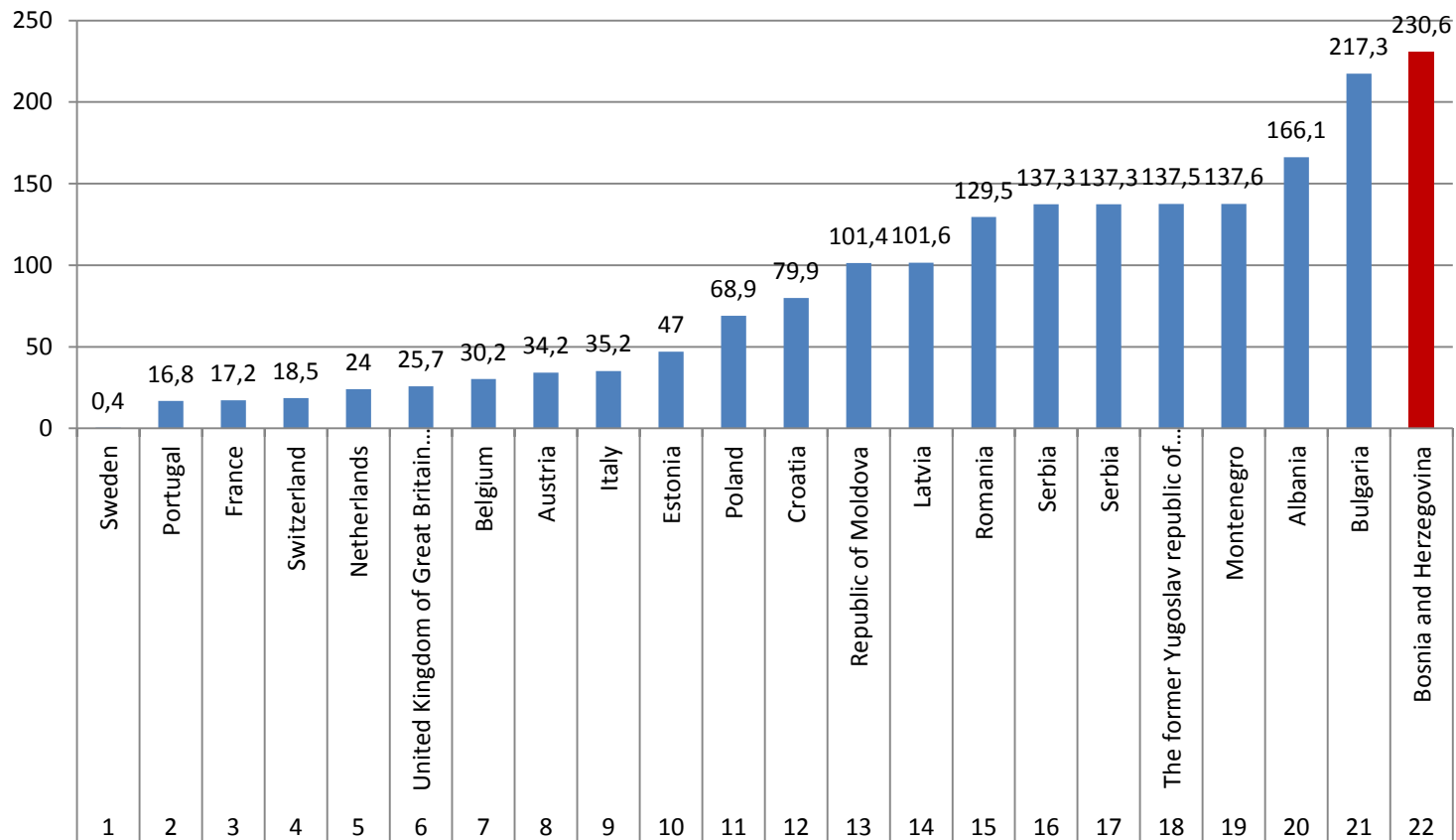
The problem:

Air pollution in Sarajevo

- Air quality is affected by the emission of pollutants from the industrial, residential and transport sectors.
- It reflects the poverty rate—the using of fossil fuels for heating, driving the old cars and non presence of greenery.
- Bosnia and Herzegovina has the highest mean annual PM 2.5 concentration in Europe.
- Also, B&H has the highest mortality rate attributable to joint effects of household and ambient air pollution

- *The diseases of the respiratory system are among leading causes of death*
- *The fifth most common cause of death was malignant bronchial and lung tumors*

Mortality attributable to joint effects of household and ambient air pollution, World Health Organisation data:



This is how it looks like now



This is how we want to be



I care about air

PHASE 1.-Measurement of air quality

- Measuring the air pollution using new technology on the specific locations (near the industrial sites, near the schools, the kindergartens)
- Installation a network of interactive, modular sensors across the city to collect real-time data on air pollution and share this via an open data platform.
- Determine the sites with the extreme values of pollutants

PHASE 2.- Landscaping of green areas

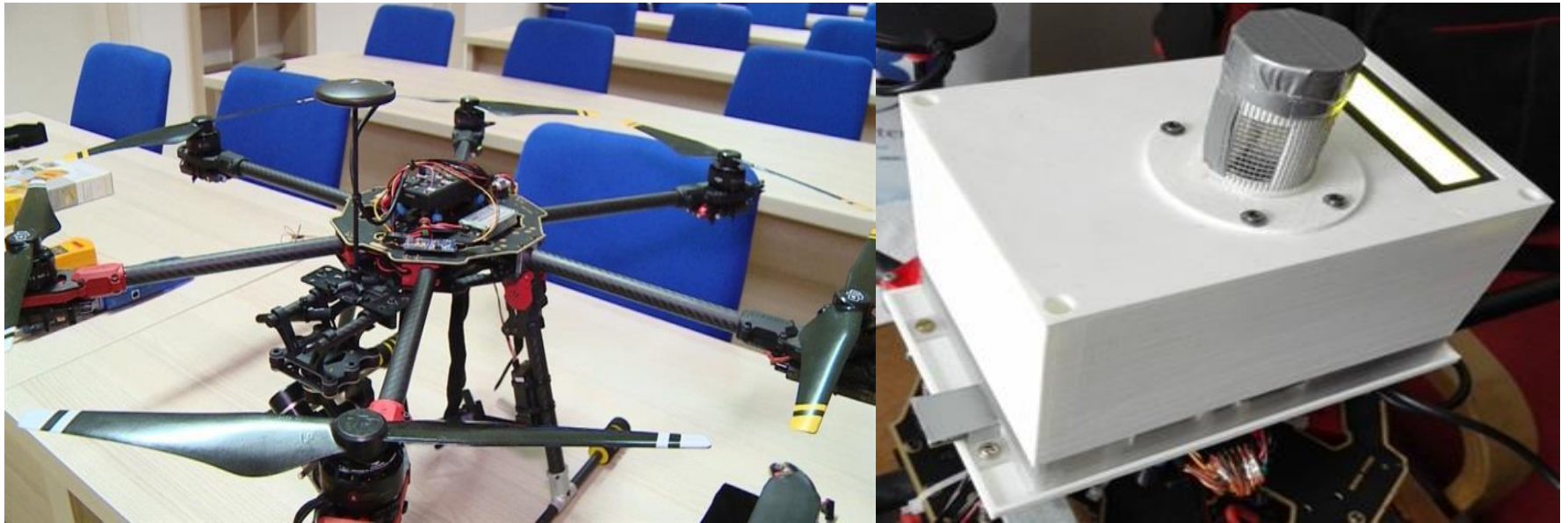
- Improve the air quality parameters by planting
- Landscaping of green areas by planting new species at locations where the analyzes has confirmed the highest level of pollution

PHASE 3. -Monitoring the improvement of air quality data

1.phase/
3.phase

MEASUREMENT OF AIR QUALITY

The application of modern technologies-Sarajevo University



4 temperature sensors; Sensor of relative humidity; barometer; accelerometer (3D), gyroscope (3D), magnetometer (3D); 2 optical particulate sensors (PM1, PM2.5, PM10) ; 5 electrochemical sensors (NO, NO2, O3, SO2, CO)

2.phase

- Landscaping of green areas by planting new species at locations where the analyzes has confirmed the highest level of pollution



The name of the investor will be visible as part of the plant composition

Community benefits:

Increase in green space of 10% is associated with a reduction in disease that is equivalent to a five-year increase in life expectancy.

The children's health is priceless



- Establishing the new approach in solving the air pollution problems/ the transfer of knowledge
- Contribution to Sustainable development-Goal11: Sustainable Cities and Communities
- "Make Cities Inclusive, Secure, Resilient and Sustainable"

Total funds:150.000 Eur

- 50 000 Eur- for Phase 1. and Phase 3.
- 50.000 Eur – for Phase 2.
- 25 000 Eur- for equipment and other goods
- 25 000 Eur- for other activities

Requested partner participation 70%

Regional Association of Women Entrepreneurs

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