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Republic of Serbia
Ministry of Agriculture and Environmental Protection
ENVIRONMENTAL PROTECTION AGENCY

MONITORING AND AIR QUALITY ASSESSMENT IN SERBIA

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Air Quality Monitoring Department

TAIEX-ECRAN Workshop on Air Quality Modelling, Ankara, October 20 - 21. 2015.



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The concept

- ☐ **MANDATE**
- ☐ **AIR QUALITY IN SEPA on the 2015.**
- ☐ **ESTABLISHING A NATIONAL SYSTEM FOR AUTOMATIC AIR QUALITY MONITORING**
- ☐ **ASSESSMENT AND REPORTING OF AIR QUALITY**
- ☐ **STATE OF AIR QUALITY 2011 - 2014. IN SERBIA**
- ☐ **AIR QUALITY IN EUROPE AND SERBIA**

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National regulations defining the monitoring and assessment of air quality – MANDATE

Law on Air Protection
 ("Off. Gazette RS" No. 36/09, 10/13)

- ✓ Regulation for air quality monitoring and air quality requirements
("Off. Gazette RS" No .11/10, 75/10, 63/13)

- ✓ Regulation on the establishment of zones and agglomerations
(“Off. Gazette RS ” No. 58/11, 98/12)

- ✓ Regulation on the establishment of programs for air quality control in national network ("Off. Gazette RS " No. 58/11)



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SEPA 2015.

Where are all implemented activities related air quality.



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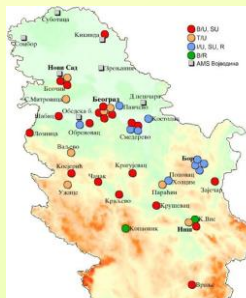
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ESTABLISHING A NATIONAL SYSTEM FOR AUTOMATIC AIR QUALITY MONITORING

> The main impulse to the establishment of national automatic monitoring of air quality in Serbia was the CARDS project "SUPPLY OF EQUIPMENT FOR AIR QUALITY MONITORING STATIONS, SERBIA" (EUROPEAID / 124394/D/SUP/YU). " This EU project has donated equipment for the

- > 28 measuring stations,
- > calibration laboratory,
- > analytical laboratory,
- > a mobile station
- > and a car (cca 2.5 million €).

Preparatory activities and much of the project was carried out in period 2008-2010, and was completed 2011.

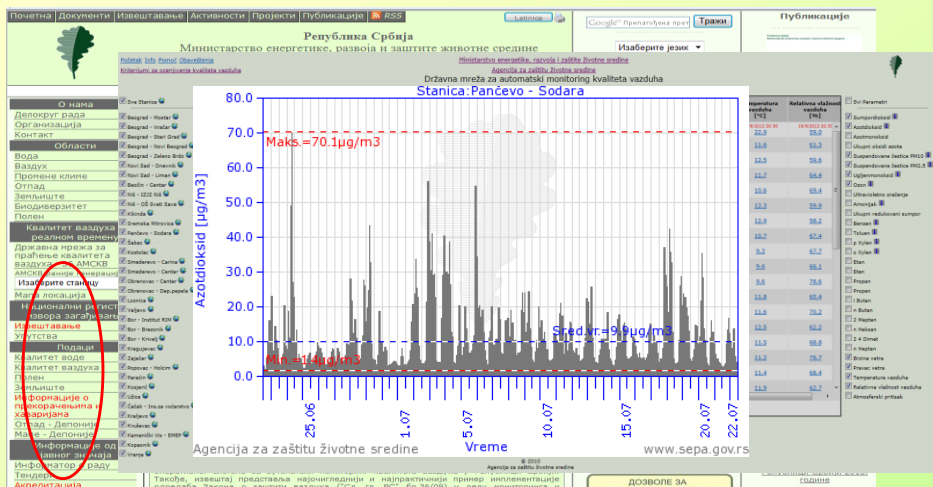


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Air quality data on web - www.sepa.gov.rs

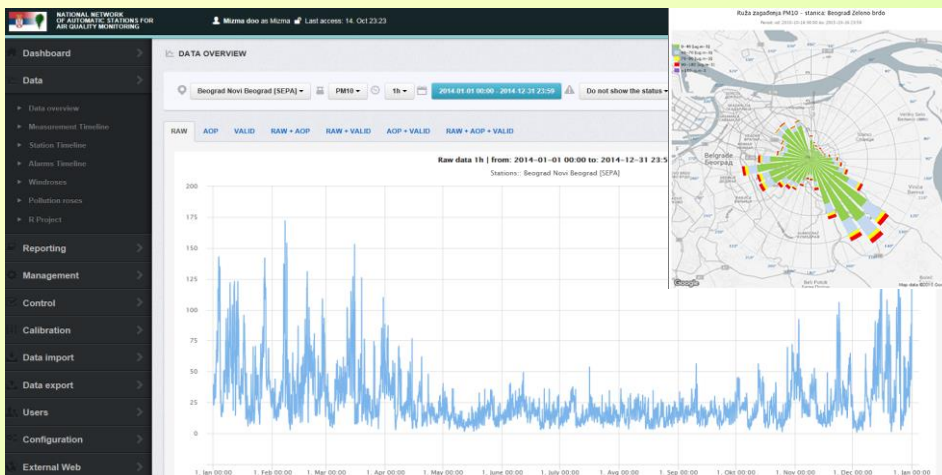


The current project IPA 2012 „Establishment of an integrated environmental monitoring system for air and water quality”, part “ **Supply of ICT equipment and software for Air Quality Monitoring System**”, **will improve data management** and consolidate all data of AAQ monitoring

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Air quality data

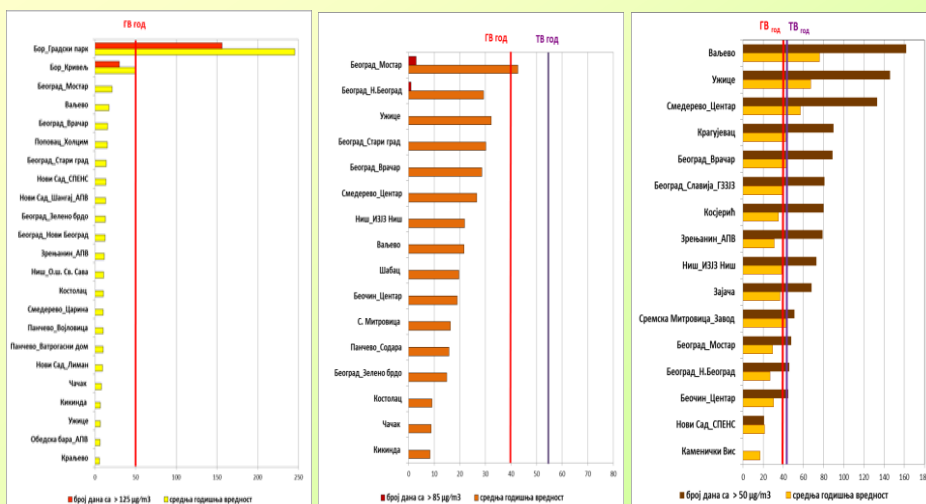


The result from new software from the project IPA 2012 „Establishment of an integrated environmental monitoring system for air and water quality”, part “**Supply of ICT equipment and software for Air Quality Monitoring System**” who is now in finale phase.

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WHAT IS THE CONTENT OF SEPA REPORT - Air Quality Assessment

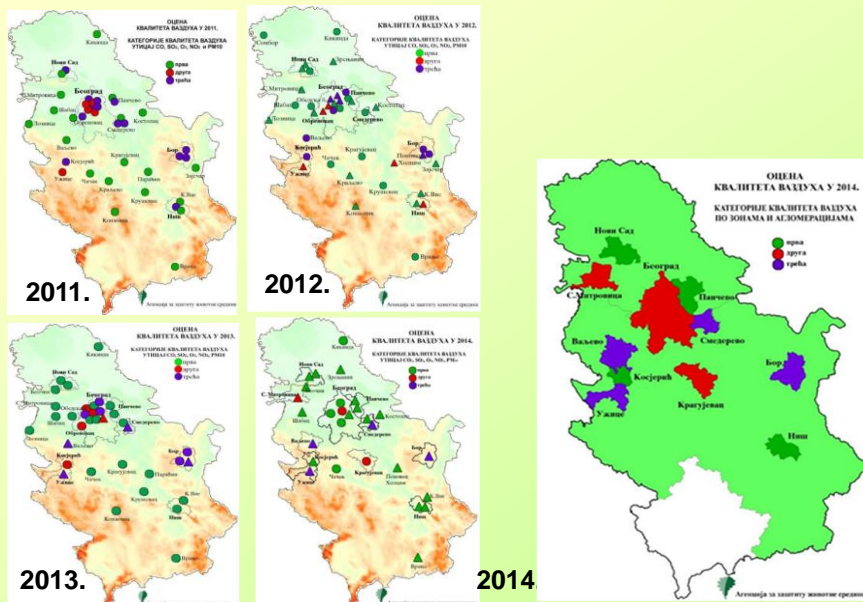


Graphic of annual values and the frequency of exceeding for SO₂, NO₂ and PM₁₀ during 2014.

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STATE OF AIR QUALITY 2011. - 2014. IN SERBIA

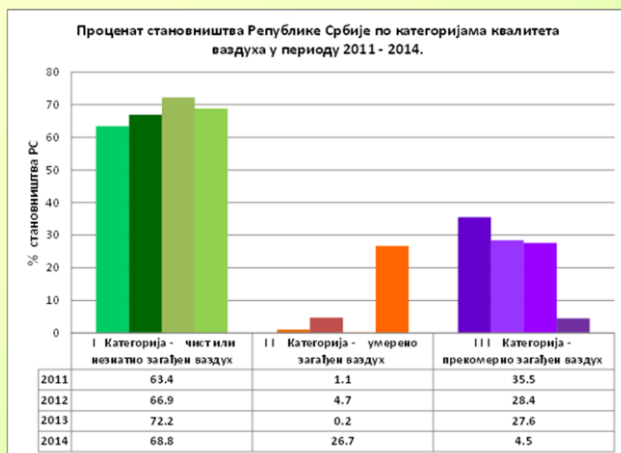


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STATE OF AIR QUALITY 2011. - 2014. IN SERBIA

Percentage of population of the Republic of Serbia by categories of air quality in the period 2011-2014



During 2014, 68.8% of the population of the Republic of Serbia had a clean or slightly contaminated air. In the same period, 31.2% of the population had air quality that demands improvement.

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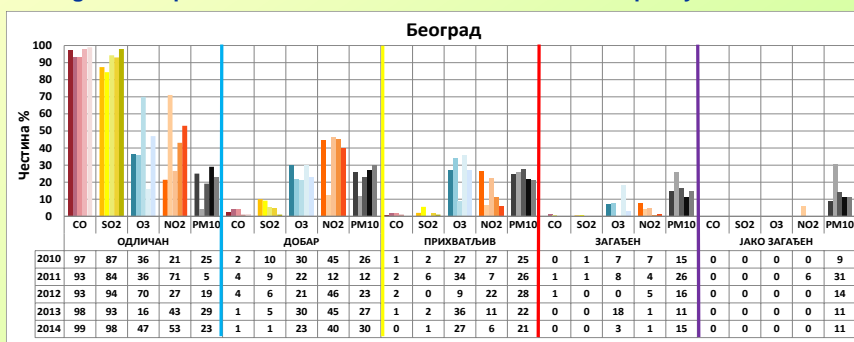


STATE OF AIR QUALITY 2010 - 2014 IN SERBIA

Structural evaluation of air quality in agglomeration

Suspended particles PM₁₀ are pollutants in the agglomeration Belgrade in 2014, with a minimum frequency of daily concentration in class 'excellent', only 23% of cases. This practically means that the presence of PM₁₀ in only 23% of the days in 2014 to allow the air in Belgrade as 'excellent' or clean air.

By the frequency of exceeding the daily LV these pollutants is dominant: in 2014 in Belgrade agglomeration of 26% of the daily concentration of PM₁₀ is greater than the LV, of which 15% are in class 'polluted' air and 11% of the class 'very polluted' air. This distribution of values of PM₁₀ concentrations, in the agglomeration Belgrade in 2014, indicating that the presence of PM₁₀ dominant influence on air quality.



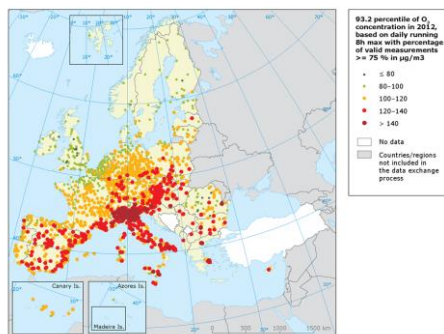
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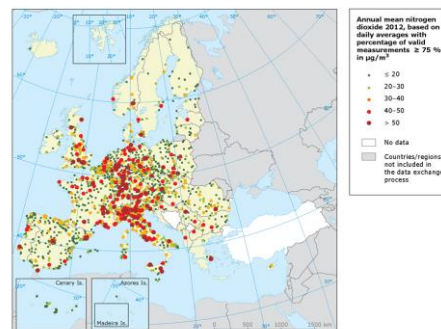
AIR QUALITY IN EUROPE AND SERBIA

Review EEA AQ status, including data from Serbia in 2012.

Twenty-sixth highest daily maximum 8-hour average O₃ concentration recorded at each monitoring station in 2012



Annual mean concentrations of NO_x in 2012



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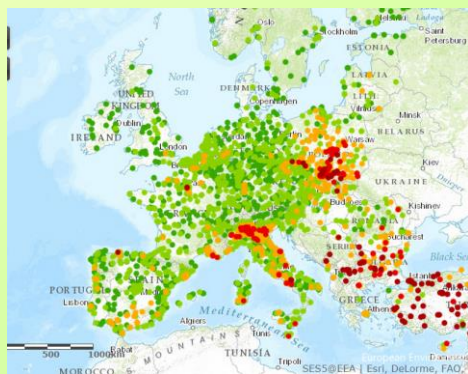
AIR QUALITY IN EUROPE AND SERBIA

Review EEA AQ status, including data from Serbia in 2012.

Annual mean SO₂ concentrations in 2012



Annual mean concentrations of PM₁₀ in 2012



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THANK YOU !

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