

# LEGAL REGULATION OF THE AIR PROTECTION

*Ilona Jancarova*

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## ENVIRONMENTAL PROBLEMS RELATED TO AIR

- Emissions of polluting substances (pollution)
- Ozone layer depletion
- Climate change

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## SYSTEM OF THE REGULATION

**Air pollution** (stationary and mobile sources)

- **Act No. 201/2012 Coll., on the Air Protection**
- **Act No. 56/2001 Coll., on Conditions of the Vehicles Operation on Roads**, as amended
- **Directive 2016/2284/EU** on the reduction of national emissions of certain atmospheric pollutants (2001/81/EC)
- **Directive 2008/50/EC** on ambient air quality and cleaner air for Europe
- **Directive 2010/75/EU** on industrial emissions (integrated pollution prevention and control) and many others

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# I. EMISSIONS OF POLLUTING SUBSTANCES

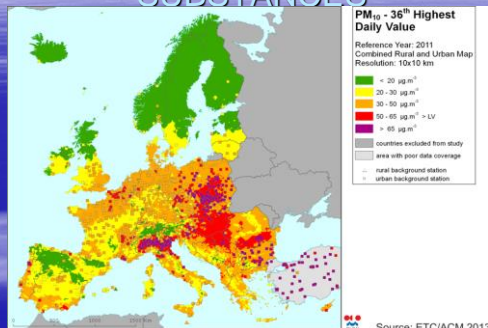


Fig. VIII.3 36<sup>th</sup> highest value of maximum daily average of PM<sub>10</sub> concentration, 2011

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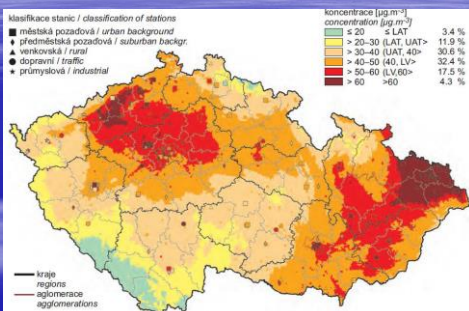
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## PM<sub>10</sub> – denní imisní limit



Obr. II.4.2.7 Pole 36. nejvyšší 24hod. koncentrace PM<sub>10</sub> v roce 2011  
 Fig. II.4.2.7 Field of the 36<sup>th</sup> highest 24-hour concentration of PM<sub>10</sub> in 2011

MŽP

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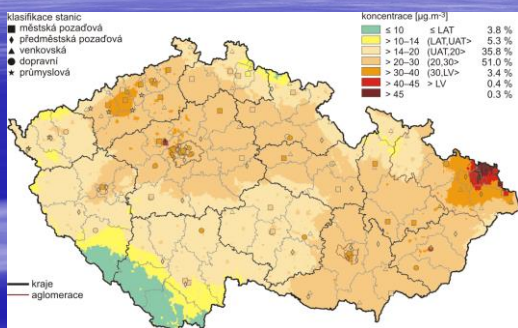
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## PM<sub>10</sub> – roční imisní limit



Zdroj MŽP

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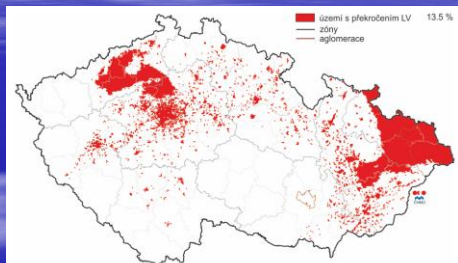
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## REGIONS WITH BAD AIR QUALITY



Obr. VII.1 Vyznačení oblastí s překročenými imisními limity pro ochranu zdraví bez zahrnutí přízemního ozonu, 2014  
Zdroj: MŽP

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## CLASSIFICATION OF SOURCES OF AIR POLLUTION

- Mobile sources
- Stationary sources – a) listed in Annex 2 of the Air Act  
b) others

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## 2 LEVELS OF AIR PROTECTION:

- Standard level of air protection
- Special air protection

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## Standard level of air protection

### Regulatory tools:

- the admissible level of air pollution
- plans and other program documents
- fuel quality requirements
- bans and duties of individual persons
- permits and approvals
- monitoring, record-keeping and reporting requirements
- authorization
- fees
- sanctions.

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## Standard level of air protection

### 1. Admissible level of air pollution:

- Emission limitaton
- Emission ceillings
- Air quality standards

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## Standard level of air protection

### 2. Plans and other program documents:

- National program for emisson reductions
- Programs for air quality improvement



To comply with air quality standards as soon as possible

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## Standard level of air protection

### 3. Permits and approvals:

- Approval of APA to development consents
- Approval of APA to construction permits
- Permit to operate
- Opinion of APA to land use plans
- Compensatory measures

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## Standard level of air protection

### 4. Duties of persons:

- General duties
- Specific duties (for persons handling paints, distributors of fuels, authorized persons etc.)
- Duties of operators of stationary sources:
  - General
  - Specific for sources listed in Annex 2

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## Standard level of air protection

### 5. Fees

- Amount of emissions
- Emission rate

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## Standard level of air protection

### 6. Authorization:

- Measurements of air quality
- Measurements of emissions
- Disperse models etc.

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## Standard level of air protection

### Sanctions:

- Fines
- Corrective measures
- Prohibition to operate

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## Standard level of air protection

### Other regulatory instruments:

- Fuel quality requirements
- Monitoring, reporting
- Register of air quality information system
- Register of sources of pollution

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## Special air protection

### Regulatory tools:

- designation of areas with bad air quality,
- continual monitoring of the air pollution levels,
- air quality improvement programs,
- specific air quality standards
- smog warning and traffic regulation systems
- specific conditions of operation for selected stationary sources of pollution
- low – emission zones in cities.

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## Mobile sources regulation

### Regulatory tools:

- technical requirements and emission limits
- fuel quality requirements (biofuels)
- duties of operators
- low – emission zones in cities.
- sanctions.

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