



# COST

European Network on New Sensing Technologies for Air  
Pollution Control and Environmental Sustainability - *EuNetAir*

COST Action TD1105

**WGs and MC Meeting at Rome, 4-6 December 2012**

SIG4: Examples of guidelines/applications of environmental  
technologies for the Revision of the AQD in Hungary



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# Air quality legislation in Hungary

All air quality directives are adapted to the Hungarian legislation, e.g.:

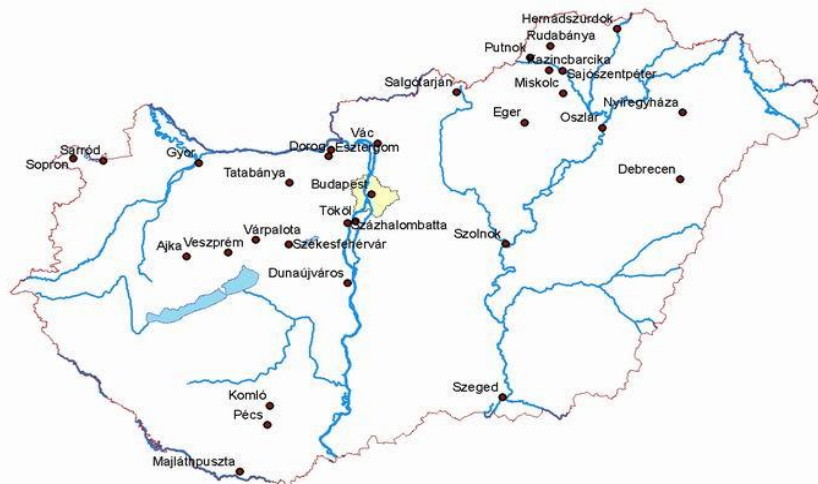
- 306/2010 governmental decree on the protection of air quality
- 4/2011 decree of the Ministry of Rural Development on the limit values of air concentrations and emitted values
- 69/2008 decree of the Local Authority of Budapest on the smog alarm
- 96/2009 decree of the Parliament on the National Environmental Protection Program 2009-2014



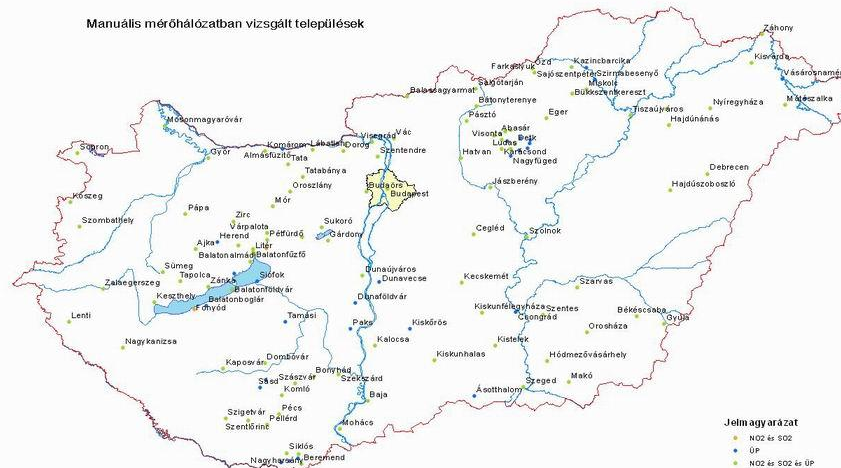
## Governmental authorities working on monitoring and controlling of air quality issues

- Ministry for Rural Development  
in 2010, the former Ministry for Environment Protection was dissolved
- background institutes of the ministry
  - Regional Inspectorates for the protection of air, water and nature
    - operate the urban monitoring network and work with regulatory issues
  - Hungarian Meteorological Service
    - operates the background monitoring network
    - manages the monitored data of the inspectorates
    - makes chemical weather forecasts

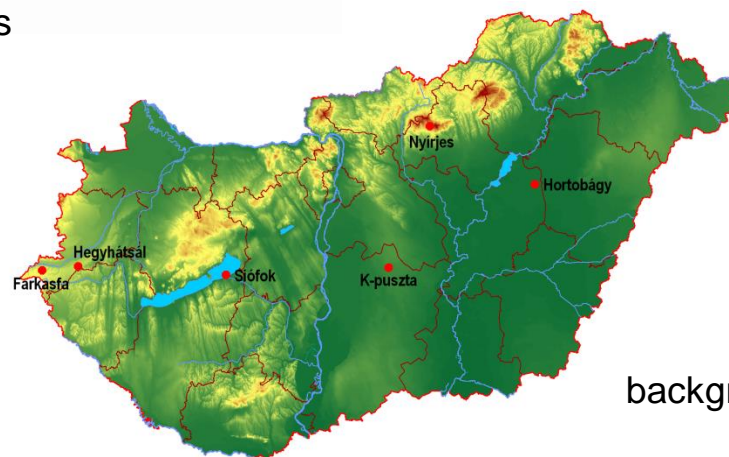
# National monitoring networks in Hungary



Automata urban monitoring stations



manual sampling stations



background monitoring and sampling stations



# Problems in the Hungarian networks

## Serious financial problems – reduction in the budget of governmental institutions

- old equipments, lack of service, difficulties in maintaining
- not any investments into new technologies
- decline in human resources

## Few, slow and bureaucratic tenders, aids or supports

there are tasks with no sources on this field

## Few and sporadic researches and new technologies

every institution or scientific group tries to find the financial support



## Suggestions for the air quality directives

- harmonisation of the pollution concentration and emission regulations
  - useful measures for the effect of emission reduction arrangements
  - measures or “limit values” for the effect of long-range transport
  - supporting the source identification studies
- support of the emission reduction arrangements instead of fines for limit value exceedances
- revision of the “unfeasible” limit value (e.g.  $PM_{10}$ ,  $PM_{2.5}$ )
- careful definition (or dedicated financial support) of expensive new measures (VOC, POPs, etc.)