



Hungarian Ministry
of Agriculture

EIONET NRCs Air Quality

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*EEA EIONET workshop
Budapest, 29th June 2016*



Hungarian EIONET NRC Air Quality

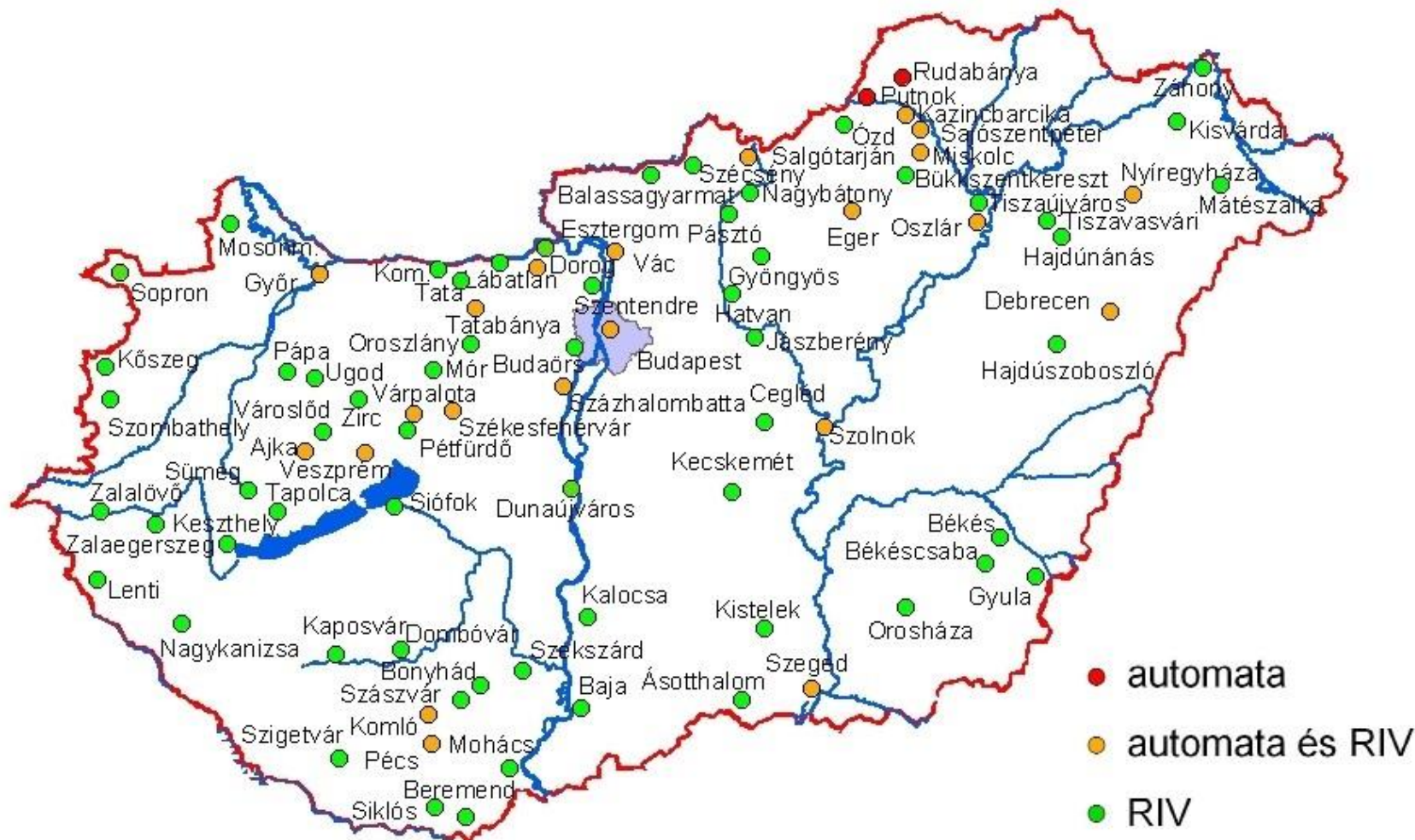
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|--|--------------------------|
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PCP

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Hungarian Air Quality Monitoring Network





Development of the Hungarian Air Quality Monitoring Network

Framework Program: Environment and Energy Operational Programme 2007-2013 (one of the operational programmes of National Strategic Reference Framework (NSRF))

Aims:

- changing the old measurement instruments at the automatic stations,
- having a modern web site,
- unification of the data gathering systems and software,
- changing the old hardware,
- having a common and closed telecommunication network for the data transfer.

Budget:

1,1 Mrd Ft



Framework Program: Swiss-Hungarian Cooperation Program

Aims:

- monitoring air quality in towns and small regions not tested with automatic online measurement stations,
- creating conditions of testing for toxic metal and carcinogenic poly-aromatic hydrocarbon (PAH) compounds based on on-site manual sampling and analysis in regional laboratories.

Budget:

1,7 Mrd Ft

Total budget:

> 9 Million €





Results of the two projects

Laboratory equipment

- 7 gas chromatograph mass spectrometer systems(GC/MS)
- 7 high volume air samplers
- 7 electronic analytical scales
- 6 automated discrete photometric analyzers
- 3 inductively coupled plasma - optical emission spectrometers (ICP-OES)
- 7 high pressure solvent extractors (ASE)
- 6 ion chromatography instruments
- 1 laboratory refrigerator



New measuring instruments

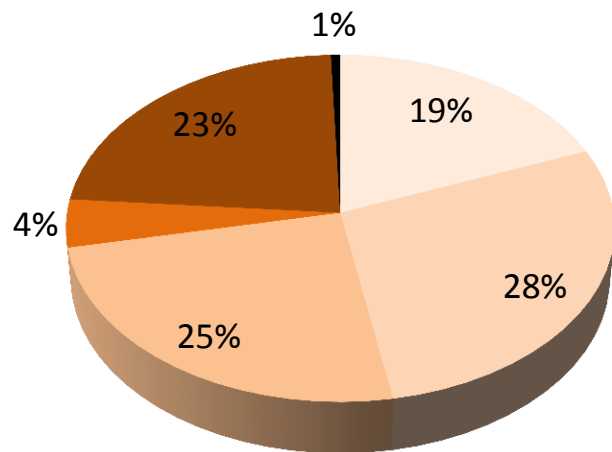
- 27 PM₁₀/PM_{2,5}
- 10 HVS/LWS
- 24 CO monitor
- 26 NO_x monitor
- 24 O₃ monitor
- 21 SO₂ monitor
- 7 BTEX monitor
- 4 fully equipped mobile stations

New webpage, IT background

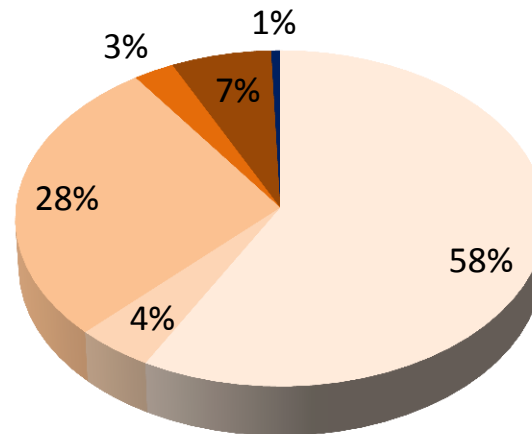


Age of measuring instruments at automatic stations

Before the projects (2014)



After the projects (2016)



- younger than 5 years
- 6 -10 years old
- 11 - 15 years old
- 16 - 20 years old
- 21 - 25 years old
- older than 25 years





draft EEA report ‘**Air Quality in Europe – 20xx**’

IPR helpdesk (aqipr.helpdesk@eionet.europa.eu)

Air quality portal (<http://www.eionet.europa.eu/aqportal>)

CDR webpage (<http://cdr.eionet.europa.eu/>)

EIONET Air Quality Management and Assessment Workshops



Bern , Switzerland

30 September - 01 October 2014







Warsaw, Poland
5 - 6 October 2009





Ljubljana, Slovenia
5 - 6 October 2015



Wood Quay, Dublin, Ireland

24 - 25 October 2013





12 - 13 October 2011

Bordeaux, France

29 - 30 September 2008

Flemish Environment Agency

Bruges, Belgium

17 - 18 October 2005

Hotel Holiday Inn

Vilnius, Lithuania

25 - 26 October 2012

Madrid, Spain

15 - 16 October 2007

St. Raphael Resort

Limassol, Cyprus

24 - 25 October 2016

Djurgården island

Stockholm, Sweden

22 - 23 November 2004

Norwegian Pollution Control Agency

Oslo, Norway

26 - 27 October 2006

Hotel Mercure La Rochelle Vieux Port Sud

La Rochelle, France

14 - 15 October 2010

Umweltbundesamt

Dessau, Germany



Benefits gained from the Workshops

meeting personally (EEA, other MS' colleagues)

having a **look inside** to the

- ongoing work of the EEA
- recent developments of EU legislation
- webpages
- work of other bodies (WHO, FAIRMODE, ...)

getting **feedback** from national reports, data delivered, etc.





Proposal for the future:





FÖLDMŰVELÉSÜGYI
MINISZTERIUM

Thanks for your attention

