

AIR QUALITY PLANNING in PRAGUE



- *Maria Kazmukova, IPR Prague*

Integrated Air Quality Action Plan in Prague,

**approved by City Assembly of Prague on 16th November
2010,**

to be updated 2015

I. ANALYSIS OF AIR QUALITY

Emission Inventory,

AQ Monitoring,

AQ modelling

AQ definition

AQ goals

I. MEASURES

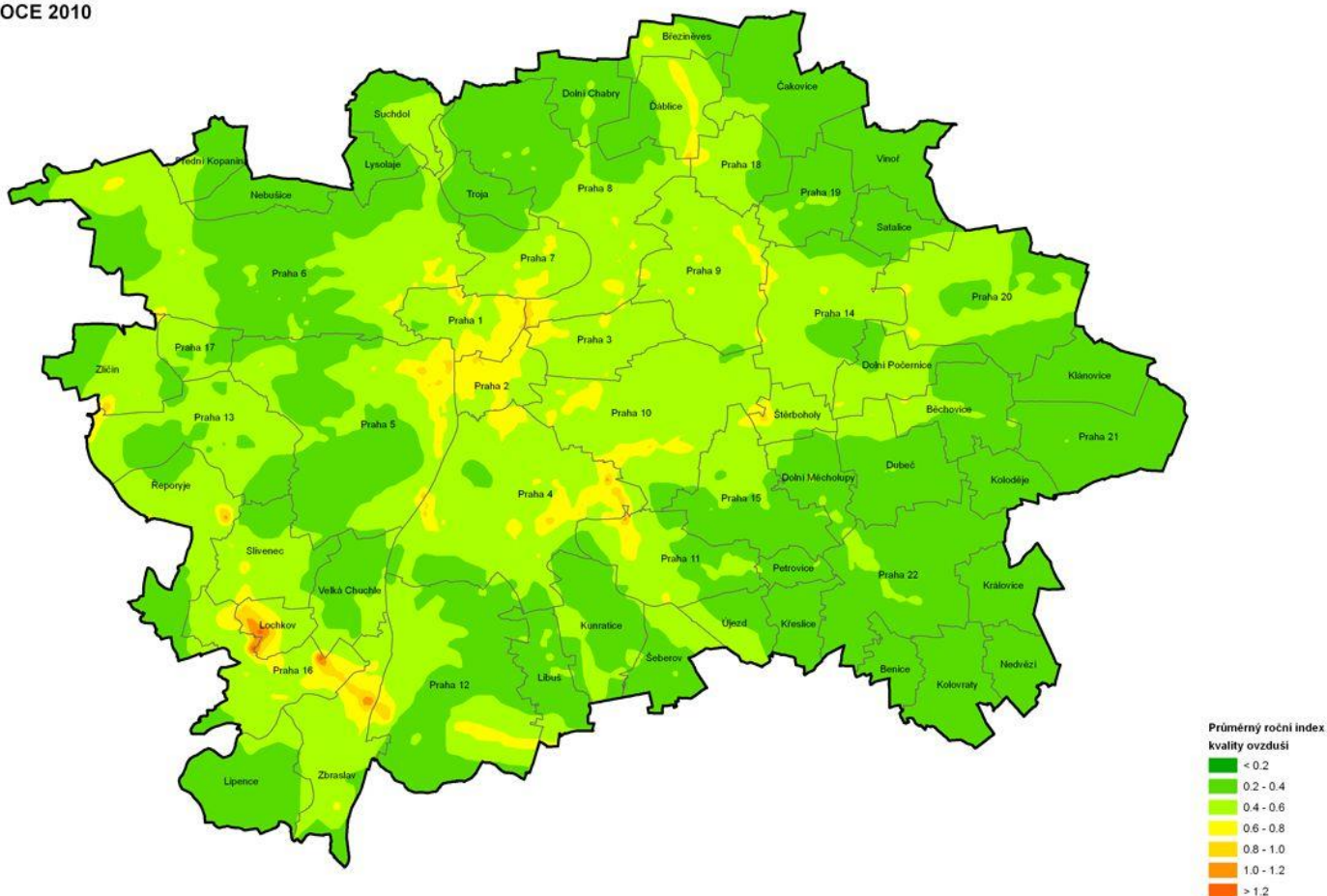
II. COST-BENEFIT ANALYSIS

Air Quality in Prague, 2010,

Exceedance of PM10, NOx and NO2, B(a)P, As, VOC, O3

ZNEČIŠTĚNÍ OVZDUŠÍ - INDEX KVALITY OVZDUŠÍ
STAV V ROCE 2010

2 000 1 000 0 2 000 m

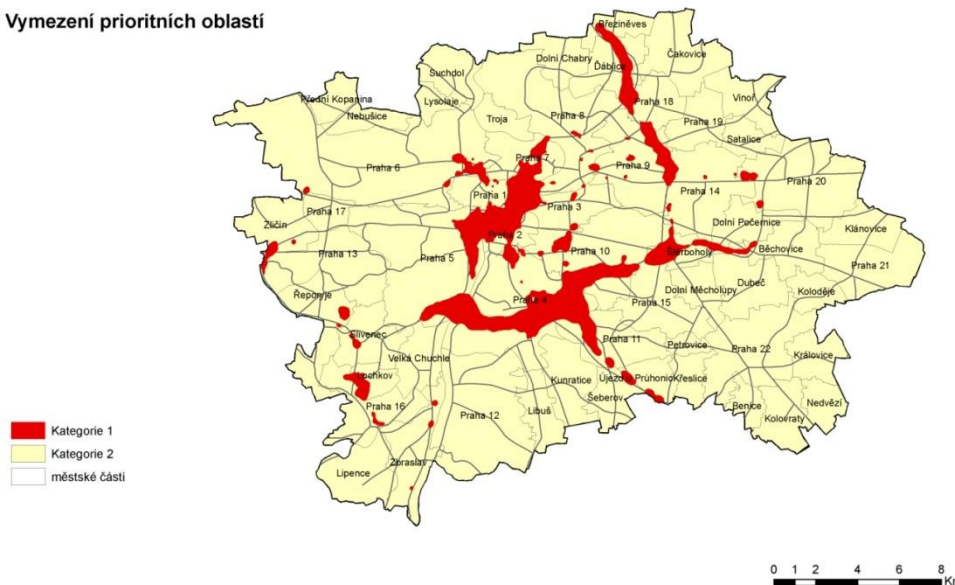


URM 2011

Priority areas for air pollution abatement

Hlavní město Praha

Vymezení prioritních oblastí



Priority area 1
Priority area 2

Strategies for Air Pollution reduction :

S:

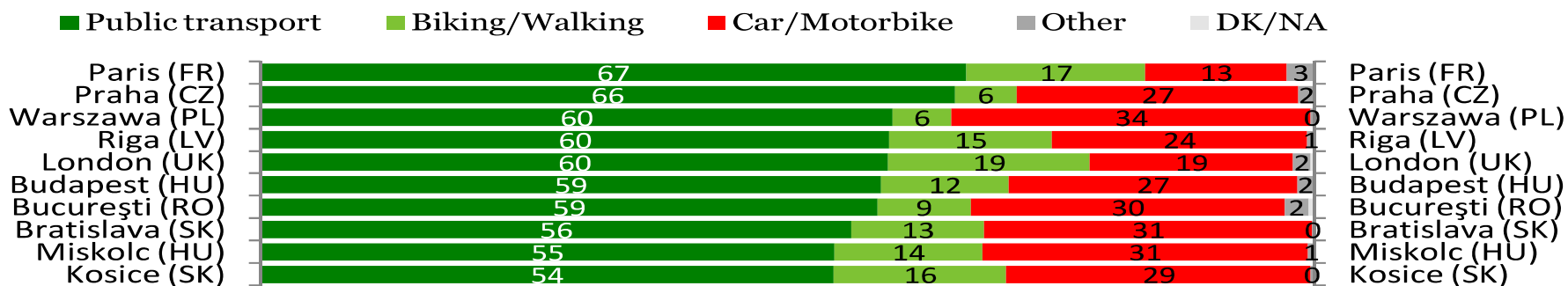
1. Measures aiming to emission reduction from traffic
2. Measures aiming to emission reduction from local heating
3. Measures for reduction of secondary pollution from suspended particles
4. General cross-sectional measures

Measures aiming to emission reduction from traffic :

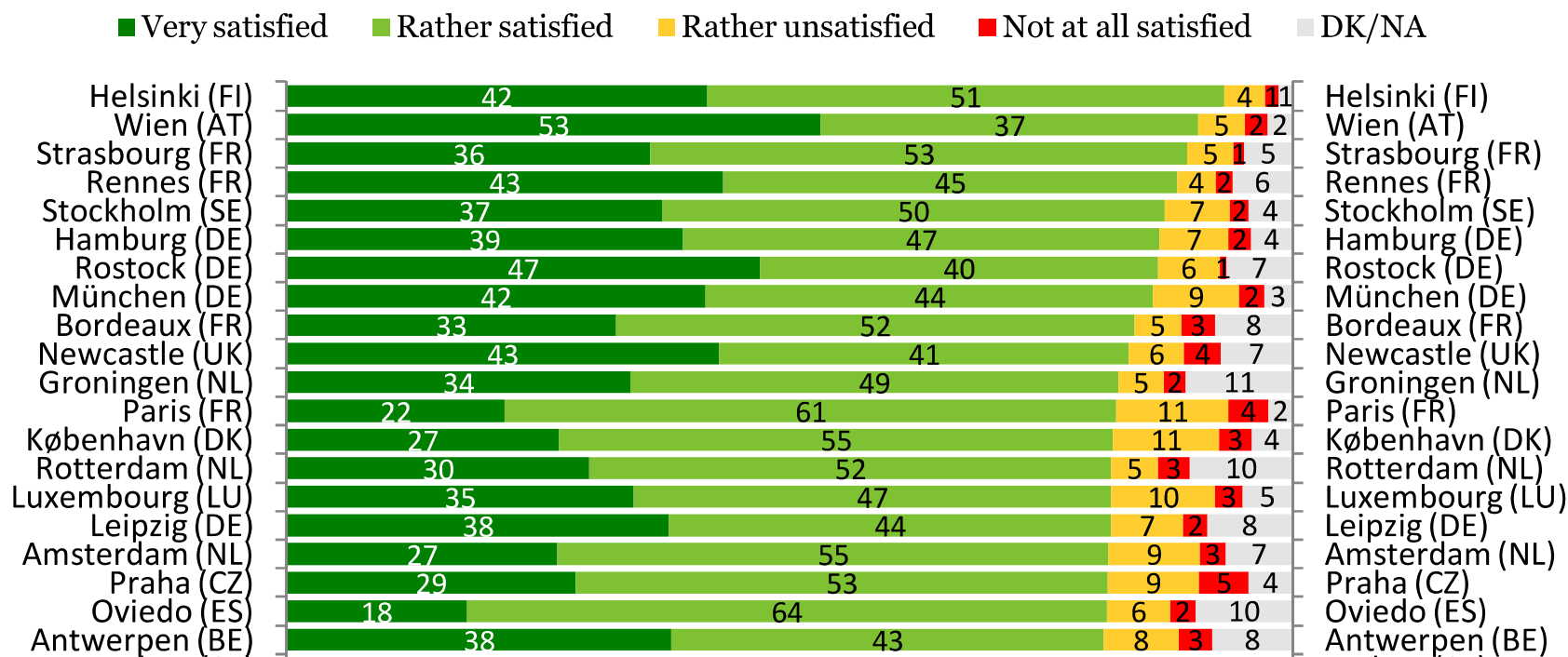
- 1.1 Enhanced use of public transport
- 1.2 Construction and finalisation of ring roads and tunnels
- 1.3. Access restriction for heavy duty vehicles to city centre
- 1.4. Time regulation for deliveries in city centre



Comparison of modes of transportation in EU cities:



Satisfaction with public transportation



Measures aiming to emission reduction from traffic (2):

- 1.5. Parking policy in the city centre and local centres
- 1.6. Enhancing P + R facilities
- 1.7. Enhanced use of alternative fuels in traffic
- 1.8. Emission reduction from public transport buses and city cars
- 1.9. Support to Cycling
- 1.10. Support to Walking



2. Measures aiming to reduction of emissions from heating of residential areas:

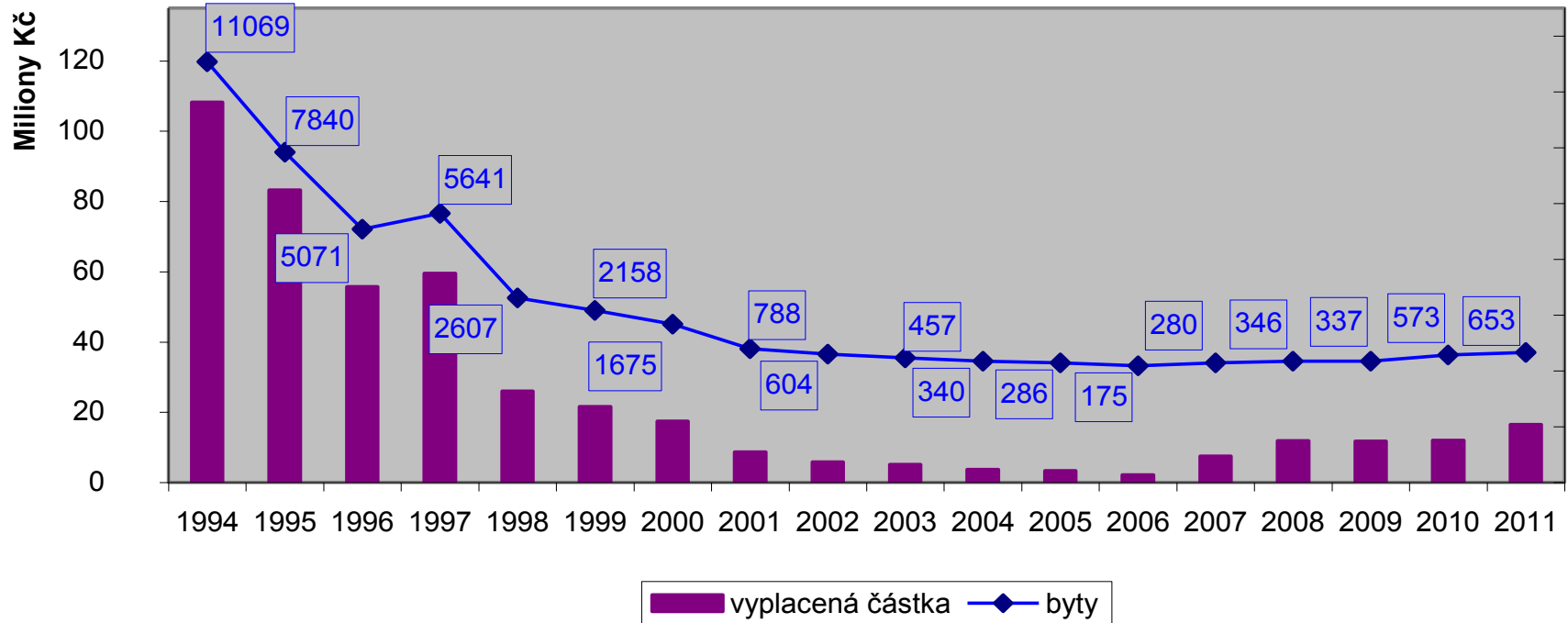
2.1. Environmental friendly energy infrastructure

2.2. Reduction of energy demand and more efficient use of energy

2.4. Support for local heating fuel conversion

Support for fuel conversion in Prague

Průběh Programu v letech 1994-2011



Measures aiming to dust reduction:

3.1. Reduction of dust from area sources

3.2. Reduction of dust from building and construction activities

3.3. Reduction of dust from roads and streets

3.4. Dust reduction by enhancing greenery in residential areas and surroundings



Elektrobuses and city cleaning cars



4. General and cross-sectional measures:

4.1. Urban planning and urban permitting

4.2. Introduction of low emission zones

**4.3. Application of preventive administrative
measures for air quality protection**

4.4. City procurement policy

4.5. Information and education

**4.6. Support for local initiatives aiming to
air quality improvement**

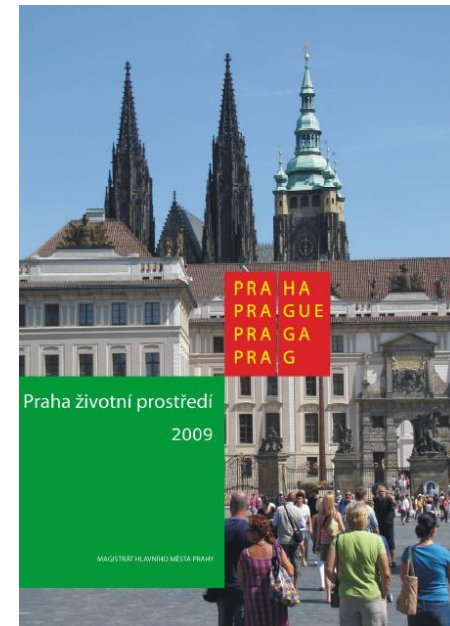
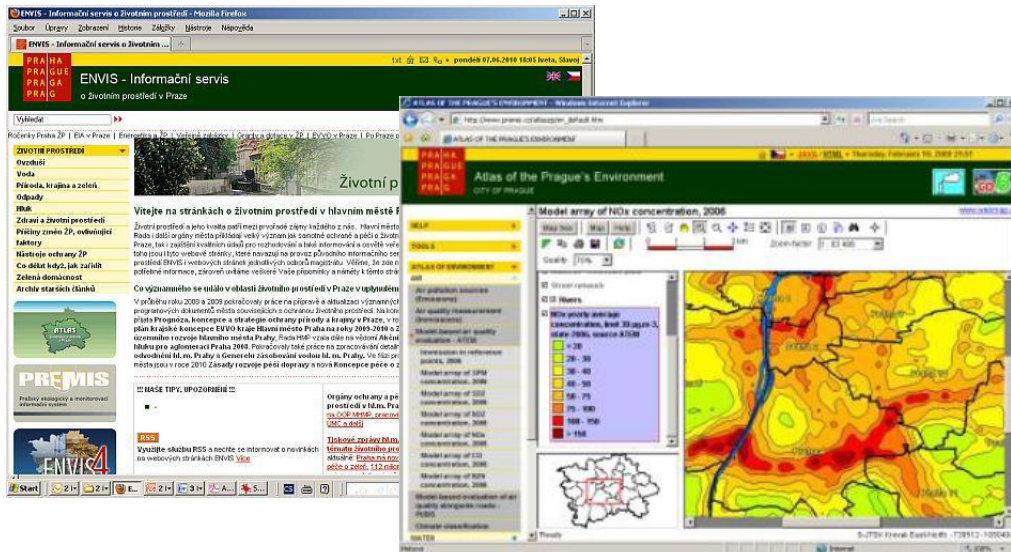
New park Vinice in 2007 and 2010



Parks and greenery in Prague



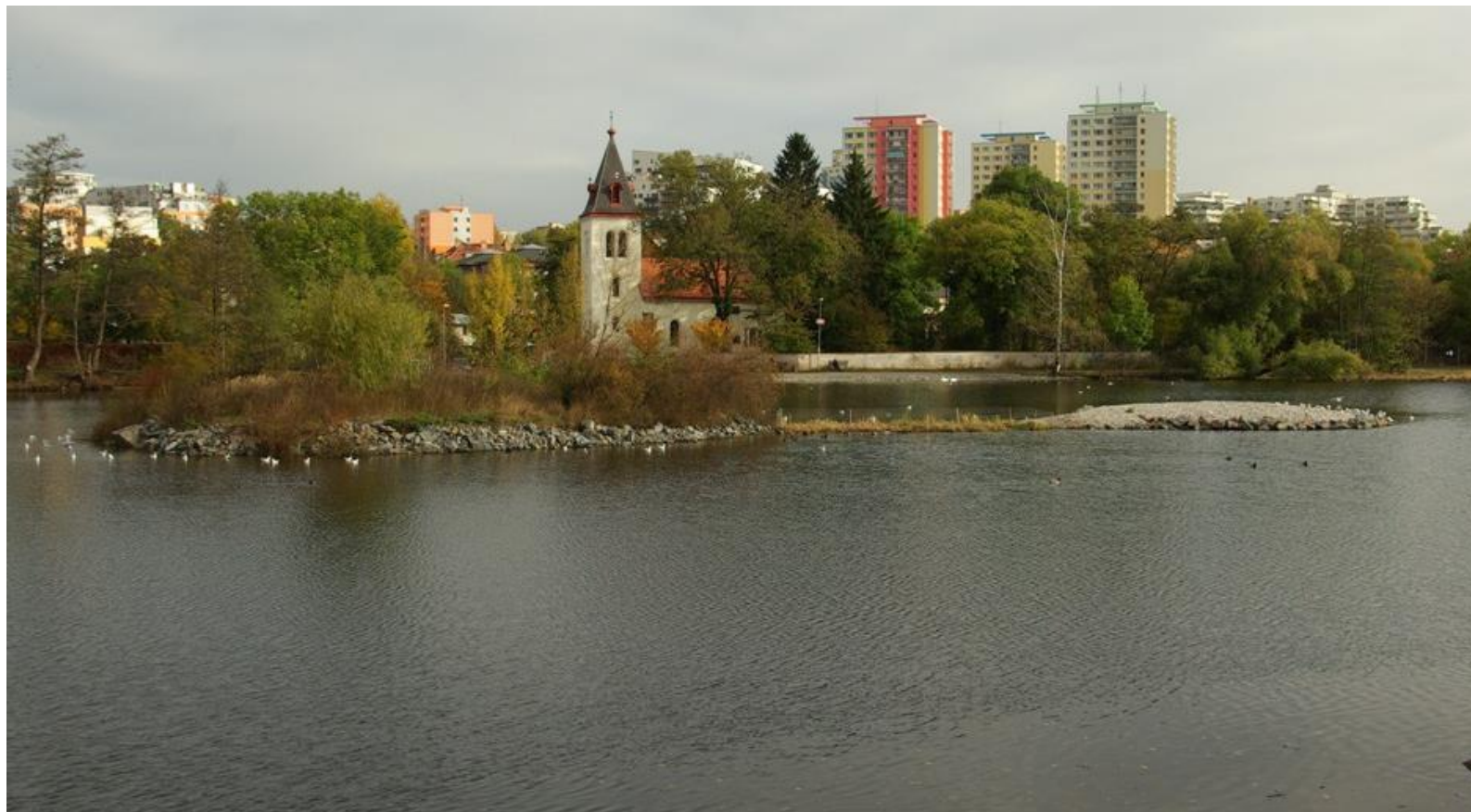
Environmental and AQ information



Environmental education



New parks and recreational areas



New Air Quality Action Plan

- Prepared by the Ministry of Environment
- for 3 agglomerations Prague, Brno and Ostrava Region
- For 7 zones in CZ
- Committees with the experts and local/regional administrations
- To be adopted by Ministry in 2015

Proposed measures in transportation in Prague

New measures:

- Car sharing with electro-mobiles
- Bike sharing scheme
- Railways – new stations

Measures for area sources

- New:
- More restrictions on construction sites
- Emission reduction from technology sources
- Strict emission reduction from new stationary sources

Proposed measures for stationary sources and local heating

- Podpora přeměny topných systémů
- Podpora úspor energie a efektivnějšího využívání energie
- Rozvoj environmentálně příznivé energetické infrastruktury

Other measures for air pollution reduction

- New conditions for public procurement
- Support for more greenery in residential areas
- Greenery in public space
- Support for pedestrians and cyclists
- Public space in city for people, not for cars
- Information and environmental education,
- Cooperation with all stakeholders

thanks for your attention

