

Dear Lord Mayor / Lady Mayoress,
dear experts for urban areas,

You asked us to release a detailed program of the BETTER CITIES FOR BETTER LIFE, PRAGUE 2014 conference. You also asked us to provide you with the list of lecturing experts who will provide you with the solutions you long for. This is not our intention, and we have placed great emphasis on this in all of our correspondence. We want to solve the problems connected with the impacts of noise and air pollution on inhabitants' health, not to discuss them passionately.

We would like to present you with the scheduled scopes of the 10 expert round tables and we ask you to find successful local projects within these areas that have improved the living conditions for the inhabitants of your city, a quarter of your city, or even in only one street of your city.

The conference program itself can only be created by yourselves and no-one else!

Please create a summary of such a solution within the given scope not exceeding four A4 pages, including pictures, (you can download a template at www.better-cities.eu) and send it to us by March 31, 2014. For the conference we will prepare a World Blue-green Book for the health of citizens, which will be the basis for an instruction manual on what can be done in your part of the world to improve the health of your citizens, and how to achieve it.

And we obviously hope that you will register for the respective expert round table to share your achievements with others around the table and in the auditorium in Prague.

Each of the scheduled scopes was created by an expert, who is prepared to moderate the respective round table, but if you demonstrate your interest in moderating the round table, we assure you that we can find the best amicable solution.

The official languages will be English, French, German, Russian, Chinese and Spanish. However, if you would like to use another world language, we can also provide simultaneous interpretation in that language. The conference will also be interpreted into international sign language for the deaf (ISL).

Here are the thematic scopes for the individual round tables and the preliminary timetable for both meeting days, which will be adjusted after taking into account the number of projects registered for each of them.

With the utmost respect, I'm looking forward to working with you. In this way you can communicate your readiness to participate actively, together with others, in defeating the most dangerous global enemy of mankind.

On behalf of all of the organisers
Ivo Vaněk,
President of the International Conference
BETTER CITIES FOR BETTER LIFE,
Prague 2014

Prague, November 5, 2013

ROUND TABLES PROGRAM THEMES (in 1+9 format):

1. **Developments in air pollution and noise exposure in large cities (environmental point of view)**
 - Harmful substances in the atmosphere and their origin
 - Impact of individual harmful substances on human health
 - Main sources of air pollution in cities
 - Urbanism and air pollution
 - Air quality protection in cities
 - Preventive and curative measures
 - Facts and trends

2. **Air pollution and human health (medical point of view)**
 - Fine particles
 - Organic compounds – cPAHs
 - Effect on pregnancy outcome (functional changes affecting child development)
 - Effect on sperm quality
 - Morbidity in children
 - Effect on life-expectancy (cardiovascular diseases)
 - Impact of diet and life-style
 - Positive stories
 - Safe air pollution limits
 - Health and prevention of exposure to air pollution

3. **Impact of exposure to noise pollution on health of inhabitants (medical point of view)**
 - Safe noise emission limits
 - Psychosocial impacts
 - Impacts on mental health
 - Impacts on sleep
 - Direct impacts on physical health
 - Psychophysiological impacts
 - Aggregated data on impacts of noise
 - Economic aspects of health and disease
 - Health and prevention of exposure to noise

4. **Smart cities – the issue for the third millennium**
 - Smart cities concept - creation of synergies among various network industries, such as transport, energy, security, logistics, and environmental protection
 - Smart cities technologies - intelligent buildings, cost-saving energy networks, efficient water management, intelligent transport systems
 - Intelligent traffic control for smart cities - traffic control taking into account the current situation, such as the length of traffic jams, number of parking spaces and stops, consumption or emission parameters of individual vehicles, air pollution etc.
 - Smart cities program assets - efficient transport services, improved public safety, better city infrastructure maintenance, public authorities' decision-making based on the prognoses of trends in settlement, mobility, and environmental parameters

5. Air transport

- Hydrometeorological services; impact of weather conditions during inversions
- Night air traffic – inhabitants being repeatedly woken up during the night
- Noise reducing measures at airports (technical, organisational or economic); monitoring compliance with them and sanctions for failure to comply
- The issue of financial compensation from an airport operator versus health (burden) in terms of noise from air transport
- Air pollution caused by air traffic
- Cumulative noise from air traffic and other types of transport
- Benefits of an airport and air traffic for local and national economy, an important employer, attractive place for building convention, accommodation, and shopping centres, retail premises and headquarters
- Utilisation of EGNOS system for navigation services and the procedures for airport approaches based on detailed data from satellite navigation, enabling flight control along a generally curved trajectory in the approaching to landing phase, flying outside areas with high population density, and benefits in terms of reducing noise pollution
- Implementation of continuous descent during approaching to landing in the airport (Continuous Descent Approach - CDA) and its benefits in terms of reducing noise pollution
- Implementation of moving vehicles technology that utilises an electric drive on the front wheel of the landing gear „Wheel Tag“, and its contribution to the reduction of harmful emissions at the airport
- Prospects for further reductions in noise emitted by modern planes (aerodynamic noise, noise of engines during takeoff and landing) and reduction in the noise trail in the vicinity of the runway during takeoff and landing
- Connectivity between airport and rail and road transport
- The airport and its prospects as a airport for low-cost transport and general aviation
- Significance of an airport as a mixed international airport for military missions, humanitarian missions, and general aviation
- Significance of small sporting airfields for recreational aviation and small air transport, rescue services, the police and fire department; their coexistence in the environment

6. Impact of urban mobility concept on municipal plan creation

- Basic city transport concepts from the point of view of the main traffic processes (internal relationships - residential, business, production, culture and rest areas, internal relationships - suburban public transport...)
- Vehicle parking solutions (parking places for residents, parking areas, P+R systems, parking buildings)
- Zones without traffic projects - examples: Paris, Copenhagen
- Low-emissions zones; London, Berlin
- Metropolitan toll systems - examples: London, Stockholm
- Supplies permitted during stipulated periods
- Entry restrictions for specified vehicles during a set period
- Cycling paths, pedestrian traffic, Segway types of vehicles in city traffic
- Supporting public transport systems in cities - relationship between public and individual transport
- Information systems and mobility in cities
- Strategic noise maps and action plans for noise reduction

7. Technologies for reducing environmental burden

(road transport, railway, air transport and industry; summary character)

- Noise reduction measures (QUIESST and others)
- Traffic flow control using GAS acoustic wide-screen cameras
- Elimination of acoustic pressure using electronics based on the principle of interference
- Reduction of emissions at the sources
- Displacement of industry from urban centres
- Transport of lorries on railways
- Clean mobility (cycling, electromobility, CNG, LPG mobility)
- Public rental of electric cars in Paris based on the vehicle-sharing principle (AUTOLIB)
- Individual electromobility – electromobility and fuel cell vehicles (FCEV)
 - Electromobile and electric scooter sharing
 - Charging/filling infrastructure for electromobiles and FCEV
 - Intelligent information systems supporting individual electromobility
- Public transport electromobility on rails and under trolley wire - metropolitan railways, trams, trolleybuses
 - Automatic operation without engine drivers
 - Lengthening journeys without trolley wire
 - Paths to energy-saving vehicles and stations
- Electromobility of public transport vehicles on roads - electric buses and fuel cell buses
 - Electric bus or fuel cell bus - advantages and disadvantages
 - Various methods of employing electrobuses in public transport - various sizes and modes of battery charging
 - Various methods of charging electrobuses (plug, trolley wire, induction, „flash charging“, others)
 - Hydrogen infrastructure for fuel cell buses
- Unconventional electromobility in cities - electric ships, cableways, monorails and others
 - Ways of using unconventional transport
 - Electric drives for unconventional transport
- Electromobility and energetics
 - Utilisation of renewable energy sources for electromobility - possibilities and preconditions
 - Informatics and energetics in electromobility - „smart grids“ concept
 - Clever converting substations for recuperating braking energy into public energy grid
- Methods for reducing internal-combustion engine emissions in public transport
 - emission reduction possibilities and limits for traditional internal-combustion engines
 - emission reduction possibilities and limits for gas engines (CNG, LPG)
 - Experience with hydrogen internal-combustion engines
 - Hybrid drives: serial and parallel diesel-hybrid, plug-in hybrid
- Examples: buses with hydrogen internal-combustion engines in Berlin, tests of energy-saving trams in Vienna, electric ships in Berlin, plug-in hybrid buses in Göteborg and others

8. Legislation, financing, global and regional

- Experience and approaches in various countries
- Significant harmful substance monitoring – statistics

9. **Global knowhow in communication and information technology in the environmental sphere**
 - E-Health and Telemedicine
 - E-Government
 - Assistive technology
 - Biomedicine, biotechnology, and health protection
 - Scientific and research programs, „Health“ priority
 - Personal Health Systems (PHS) and ICT
 - Disaster Monitor, Emergency, Space and Security

10. **Health deterioration connected to progress in technology (motivation towards changing lifestyle) + final communication to the world**
 - Free Public Transport Project (free public transport in cities)
 - Walkable City Program (walking promotion)
 - Active Ageing Program (active ageing in cities promotion)
 - Personalised medicine
 - Healthy living (healthy lifestyle)
 - Research&Development

11. **Approval of resolution for the UN Climate Summit 2014, CATALYZING ACTION, which will be presented by a delegate on behalf of all signatories of the conference BCBL in New York on 23 September 2014**

12. **Announcement of the 5 laureates of the Blue-green star award of the 1st year of the most innovative contributions to the Blue-Green Book, a Roadmap of examples for a better life in the cities**