

On 19 April 2006 the President of the NNO, Mr. Ivo Vaněk, negotiated with Mr. Pierre Schellekens, the Deputy General Manager of the Cabinet of the European Commissioner Mr. Stavros Dumas, in Brussels.



The aim of the meeting was to gain the support of Pierre Schellekens for:

- The harmonization of procedures in all EU countries
- The creation of strategic noise maps
- The evaluation of health risks
- The preparation of action plans to reduce the noise in inhabited areas
- The creation of the European Noise Observatory as an advisory body to the European

Commissioner for the Environment

- The organization of the Europe-wide conference to these topics



In the vicinity of the industrial city of Pilsen, there are huge heaps of the waste shale from the deep mining of hard coal. There took place spontaneous ignition in the heaps and they have been burning inside for tens of years. According to the Professor Joseph Davidovits it is an ideal raw material for the industrial production of the artificial stone copolymer, the substitution of the cement without waste CO₂.

We organized the international conference "The strategic noise map in condition of the Czech Republic" in Prague in June, 2006.



From left: Mr. MUDr. Michael Vít, the Chief Health Officer of the Czech Republic and the Deputy Minister of Health, Mr. Ivo Vaněk, the President of the NNO, Mr. Bedřich Votýpka, the Director of SPECTRIS PRAHA, the exclusive representative of Brüel & Kjær for the Czech Republic, Mr. Erik Afalo, Urban Noise Monitoring Manager from Paris, and Mrs. Joëlle Courrech, the Commercial Manager Brüel & Kjær Sound & Vibration Measurement from Nærum in Denmark.





Longtime rivals knew that they both cannot survive in their posts. The tension culminated five year later when Dr. Michael Viť, the Chief Health Officer of the Czech Republic was accused of the corruption and had to resign from his post.



Ms. Jitka Seidlová, the Senator of the Parliament of the Czech Republic and the subsequent Deputy Ombudsman of the Czech Republic.



The atmosphere of the conference was enhanced by the nearness of the Charles Bridge over the Vltava river, in the background with Prague Castle from second half of 14th century AD.

The NNO organizes the international competition GOLDEN DECIBEL - Décibel d'Or since 2006. You can find details in Chapter 04 – History of BCBL



The Czech part of the international jury, Mr. Ivo Vaněk, the President of the NNO, Mr. Jaromír Schling, the Member in the Chamber of Deputies of the Czech Republic and the former Minister of Transport, Ms. Hana Orgoníková, the Member in the Chamber of Deputies Czech Republic and many acoustical, material and other experts responsibly judge each registered exhibit. One of the criteria is applicant's convincing performance. On the right photo, Mr. Miroslaw Malota, the Commercial Manager of RockDELTA from Denmark (parent company ROCKWOOL International) is advocating the ecological vegetative anti-noise panel.

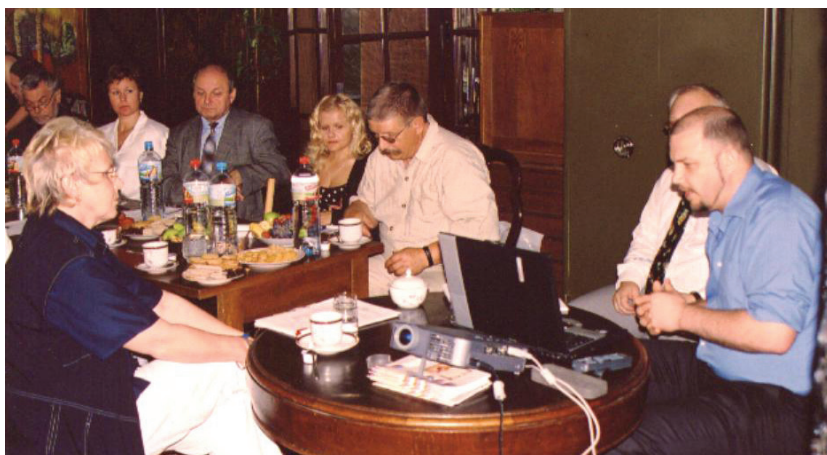
In December 2006, the NNO participated in a press conference in Paris, where primarily Mr. Gilles Hug, a Physicist specialized in the science of materials from the research centre ONERA (Office national d'études et de recherches spatiales, National office for studying and space research), and Mr. Michel Barsoum, the Professor of Materials and Engineering Department at Drexler's University (Philadelphia, USA), advocated their study published in last issue of the magazine American's ceramic society. This study, beyond all doubts, confirmed discoveries of the Professor Joseph Davidovits.



In January 2007, the NNO supported the introduction of discoveries of the Professor Joseph Davidovits at the lecture for many hundreds of experts on geopolymers from different parts of the world, which took place in Palace of Discoveries next to Champs Elysées, Paris.



Mr. Patrick Allcorn from Transport for London, London's Chief Specialist on Traffic Noise and Smog, was invited to Prague by the NNO in April 2007.



On the photograph, Mr. Patrick Allcorn is familiarizing members of the NNO with instruments for managing traffic in London depending on the level of the air pollution and noise intensity. On the same day, the NNO organized Patrick Allcorn's lecture for Council and Transport Committee of Prague in Prague's City Hall.

The international conference for the support of technologies preventing CO2 emissions (Carbon Emissions) noticed an outstanding interest of professional public in Brno, in April 2007.

[illegible]

CONFERENCES ATTENDEES | **CONFERENCES - ADVANCED MATERIALS FOR THE 21ST CENTURY**
 Tuesday, April 24, 2007 2:00 PM to 3:00 PM in the commonroom of the Faculties of Biosciences and Technology, Amsterdam 1

On November 30, 2006 in Palais de la Découverte in Paris, an international seminar, named representative of the French professor Gilles GUYO, physicist from CNRS, specializing in the science of materials and professor Michel BERNARD from the Department of Materials Science and Engineering of the University of Technology in Philadelphia. We confirmed that parents have been particularly well attended official and that the *French Institute* will be present in the *CONFERENCES* and/or one of the separate French sessions, representing for more than 30 years.

Figure 1: Gilles GUYO, CNRS, and Michel BERNARD, University of Technology, Philadelphia, during the international seminar.

Figure 2: University of Twente, Enschede, Holland. The building is the main entrance to the university.

Figure 3: A close-up of a person's face, likely a participant in the conference.

- During the course of the *CONFERENCES ATTENDEES*, professor Davidson will sign his book *The History of the World* and the book *The History of the World* will be published in the *CONFERENCES ATTENDEES* and the *CONFERENCES ATTENDEES* will be published in the *CONFERENCES ATTENDEES*.
- Books will be available during the whole duration of the *CONFERENCES ATTENDEES*.
- Registration for participants from 1 to 3.
- Participants will be available during the whole duration.
- Language of the meeting are French, English and Dutch.
- Simultaneous interpretation will be provided.

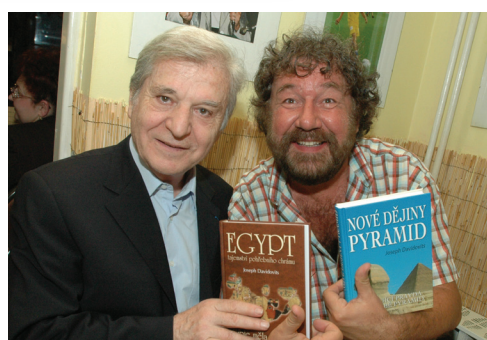
In the communication technology, every company, identity card and signature of the participant will be registered in the communication technology.

Geophysical materials and complex applications that are displayed in the entire during the conference.

Figure 4: A person standing next to a large, colorful, abstract sculpture or artwork.



Behind chairman's table, the Professor Ms. Berenika Hausnerová, the subsequent Vice-Rector of Tomáš Baťa University in Zlín, the Professor Mr. Petr Saha, the Rector of Tomáš Baťa University in Zlín, the Professor Mr. Karel Reis, the Rector of Technical University in Brno, the subsequent Member of the Chamber of Deputies of the Parliament of the Czech Republic, the Professor Mr. Jiří Brandštetter, the founder of the research and development of the geopolymer in Czechoslovakia and in the Czech Republic, the French Professor Mr. Joseph Davidovits, the rediscover of the technology of the artificial stone geopolymer production, and Mr. Ivo Vaněk, the President of the NNO.



After the conference, there took place a wonderful meeting of the Professor Joseph Davidovits with the Czech cult film director, Mr. Zdeněk Troška, at the legendary Brno club ŠELEPOVA with the participation of the General Manager Miloš Bernátek. They talked about the documentary about the life and work of the Professor Joseph Davidovits.

In January 2008, the 3rd „Municipal Conference Brno protects its inhabitants against the health-threatening noise” was held. The conference was held under the auspices of the Mayor of Brno, Mr. Roman Onderka, and the Rector of Technical University in Brno, the Professor Mr. Karel Reis, the subsequent Member of the Chamber of Deputies of the Parliament of the Czech Republic.



Left photo: Mr. Ivo Vaněk, the President of the NNO, is welcoming the Mayor of Brno, Mr. Roman Onderka. Right photo: The look at the chairman table of the conference and the introductory speech of the Mayor Roman Onderka.



Left photo: In the front from left there is Mr. František Gale, the Bursar of Masaryk University in Brno and the Secretary of the President of the NNO, and the Professor Mr. Karel Reis, the Rector of the Technical University in Brno, the subsequent Member of the Chamber of Deputies of the Czech Parliament. Right photo: The look at the delegates of the conference in the Knight's Hall of the municipal authority headquarters of the City of Brno (the second largest city in the Czech Republic).



The speech of Mr. Josef Burda, the Auditor of the Constitutional Court of the Czech Republic, the Expert Witness on the Economy, the Chairman of the Supervisory Board of the NNO since its inception to the present. Quantification of the cost of correcting the health risks from a noise reached a respectable amount.

SUMMARY of the 3rd year of the Municipal Conference Brno protects its inhabitants against the health-threatening noise

A) The conference participants express the belief that the protection against the noise, including funding consisting of the resources of EU, state, local governments, companies and citizens requires the coordinated efforts of all involved.

B) An essential basis for the noise protection is standards and transparent rules of various types. From the enactment of EU and national laws, through health and technical standards to the instructions for use of products.

C) An effective use of this base is directly dependent on the quality and the way how it is applied. The placing unrealistic demands or rigid bureaucratic procedures that impede the realization of buildings, aimed at reducing the noise pollution, do not lead to the success.

D) The objective of all efforts to the protection against the noise is a citizen, who must be well informed about the risks as well as the procedures and means of the protection. In the National Noise Observatory of the Czech Republic as well as other organizations, we will continue in efforts to improve the situation in this area.

E) The European legislation as well as the legislation of the most developed European countries, solves the noise in the environment, together with the release of contaminants into the atmosphere. In this regard, the National Noise Observatory of the Czech Republic will strive in order to also the Czech Republic would begin to approximate to the same model.

Mr. Jaromír Schling, the Member of the Presidium of the National Noise Observatory of the Czech Republic and the former Minister of Transport

Mr. Jiří Veselý, the Deputy Mayor of Brno for transport

Mr. Ivo Vaněk, the President of the National Noise Observatory of the Czech Republic

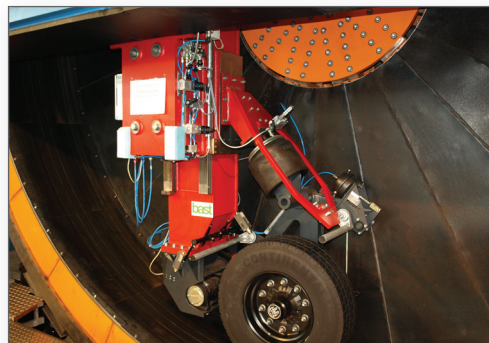
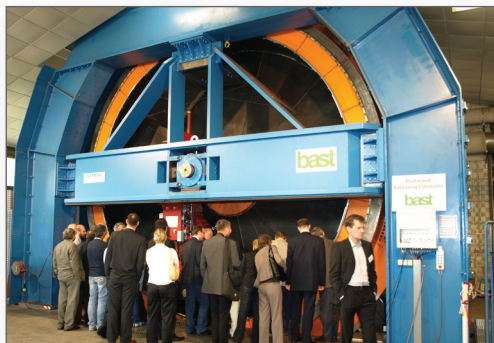
Brno, New City Hall, 24 January 2008

In March 2008, on the basis of the invitation of the General Manager of the National Gallery in Prague and the former Rector of the Academy of Fine Arts in Prague, the Professor Mr. Milan Knížák, the seminar was held, which made it clear to a hundred of students and other participants how to use the latest technology of the artificial stone geopolymer in restoring the World Cultural Heritage.



In May 2008, Mr. Ivo Vaněk, the President of the NNO, attended the conference SILENCE of the European Union, which took place at the headquarters of Bundesanstalt für Straßenwesen (Federal Office for Motorways Research) in Bergisch Gladbach, Germany.





The unique test equipment for road surfaces and tires in laboratories Bundesanstalt für Straßenwesen

Ladies and Gentlemen,

Thanks for the opportunity to share experience from the Czech Republic with you.

The specter of the noise is going round Europe! The paraphrase of the document of two German philosophers from the 19th century.

The authors have caught our attention especially by their radicalism and more and more people began to be interested in their –for someone attractive - recipes for resolving the major ills of the world.

And we all know how it turned out. Let us take a look around the map of Europe and we will vainly seek followers of the Manifesto after 160 years since its inception. Because a common sense eventually prevailed here as well as in other cases!

The organizers of today's conference offered me to share with you the analysis of the Municipal Court of Appeals in Prague that on 30 January of this year it condemned Prague to implement anti-noise measures on the busiest street in our capital. By February 2009, Prague should implement such measures that in the internal protected area the equivalent level of the acoustic pressure „A“ reaches the reading of $L_{Aeq,T} = 45$ dB during the time of 6-22 hours and 35 dB during the time of 22-6 hr, and in the external protected area 60 dB during the time of 6-22 hour, and 50 dB during the time of 22-6 hr. This is a six-lane road, lined on both sides by adjacent eight/ten-storey house and leading through the city center.

And I am asking, how to achieve this? How to implement the decisions of an independent judiciary, based on the laws approved by the Parliament of the Czech Republic? The Municipal Court in Prague, probably could not even decide otherwise. Then it decided rightly. But did it decide wisely? For this analysis, I would have needed to keep you here one day later. It all started with the approval of the European Parliament and Council Directive 2002/49 / EC. It ordered to the Union members to issue a law in their countries, accenting a set strategy of the preparation for the struggle with the noise in the environment. The Parliamentary will of the Czech lawmakers was not strong enough. In order to the Czech government could avert the threat of sanctions for failure to finish the task for which it was sued by the European Court of Justice in December 2005, the Ministry of Health published the departmental regulation in November 2006, which prescribed to the other departments how to prepare themselves for the struggle with the noise. Its hardness is so small that the cooperation of other ministries in the preparation of strategic noise maps and action plans could not be expected at all.

Already in the year 2003 in Berlin, the Mayors of eight European cities (Berlin, London, Paris, Rome, Stockholm, Stuttgart, Warsaw and Prague) brought together, inter alia, to reflect on the effects of Directive 2002/49 / EC. And the conclusion of their deliberations? It is not possible to finance from the city budget!

The key threat is the phenomenon of political representations of modern democracies, which often promise their voters "Miracles while you wait, impossible in three days! ,,"

In 2002, The European Parliament knowing the harmful effects of the noise on a human health decided wisely that since 2008 the Union would begin to systematically protect its inhabitants against the noise from the transport and industry. And the governments adopted the resolution which set the hygiene noise limits. Or they have already set them but still tightened them! The materials were taken over by the World Health Organization (WHO), which will always seek to define a human life in its ideal conditions. No politician, in my opinion, does not allow to back away from these limits and then is appalled by the task he ordered himself. And it happens in the moment when the bill to cover hardly the most pressing cases is submitted to him.

I think that just there is the need to answer the question of our conference, why, although in recent years the noise limits have been gradually tightened, a corresponding reduction in noise pollution was not recorded in populated areas!

I call for the adequacy! I call for the courage to admit that we are not able to manage something! That our civilization can not renounce the welfare in which we live. That our civilization can not live without cars, trams, trains, airplanes, air conditioning or demolition construction machineries.

I call for the wisdom of the necessary retreat from the ideal parameters of the current welfare to the definition of sustainable conditions of modern civilization and its implementation.

With the will, absurd decisions would not been born, as it happened in Prague, which should realized a project for 2 billion Euro in locations with the most difficult underground conditions in a year! The project, which will never see the light of the world due to its megalomaniac dimension!

The measurement by a sound level meter = during the session at the Czech Parliament there was measured 112 dB!

Please do never adopt such a decision worthy of following! As a precedent example can serve the decision of the Municipal Court in Prague.

We are preparing the strategic noise maps and action plans that will show us the real need of the anti-noise measures. It will be the first objective document, according to which the war against the noise could be hopefully made. Enemy's knowledge decides the success, it was written by Niccolo Machiavelli 500 years ago (1513). Although it was an inconsistent politician, every general has to agree with this sentence up to now!

But even if we set achievable goals, the executive power of the Union should ventures also practical motivation measures. In 2002, it highlighted the severity of the impact of the noise on the human health by the Directive 49 and decided to protect it. If the European Commission should be perceived seriously, it cannot only direct, but also appreciate. I call for the strict differentiation between the protracted and towed. It must support the protracted, and how else than by the contribution to finance the transparently prepared projects. It should rebuke the towed. It has already applied the principle of the carrot and stick partially, now it is needed to fulfill also the second part.

I propose to join forces and create a European-wide authority, bringing together representatives of the EU member countries, which should serve to the Cabinet of the Commissioner for the Environment, Mr. Stavros Dumas, as an advisory body for the approval of the strategic co-financing of individual projects. After all, who else than representatives of the member countries may know better the situation at home?

Furthermore, I propose to partly offload the financial burden onto citizens. Also a little involvement gives them a completely new role. They will think about the need of the anti-noise measures with more consideration, due to their personal responsibility, than they did if only the state of the local government should bear the costs themselves. I think, due to the increasing demands on the quality of the environment in the Union, it is necessary that the financial burden of anti-noise measures would be spread among all stakeholders, such as the state, local government, companies, citizens, but also the head office of the EU.

Paris has its Noise Observatory in the City Hall, London deals with the noise by the Transport for London. Prague is not far behind. It carries out the anti-noise measures one after the other and this month invited tenders for a coordinator of anti-noise measures.


The CIDB in Paris organized the 13 years of the competition Décibel d'Or. The National Noise Observatory of the Czech Republic is organizing the second year of the Golden Decibel this year, where appreciates the most attractive programs, projects, products and acoustic materials. Let us define modern procedures, let us appreciate the most effective weapons. Let us raise the public awareness and education!

What to say in conclusion?

In 2002, the European Parliament approved the Directive 49. The Directive is very meaningful, socially exceptionally beneficial, but it is also important to emphasize that appropriately ambitious! The year 2008 is the first year of the first five-year plan for upgrading life in the most advanced civilizations of our planet. I want so much so that the politicians would throw their bodies in front of the acoustic sources with the same vigor at the beginning of the third five-year plan, if it comes out in the next 10 years, that the noise still more bothers the citizens, but they are not willing to give up a single piece of fruit of the welfare!

I wish the program against the noise to become the mainstay of human activities, and after a time it was not only perceived as a set of populist slogans which enthused experts by their liberality, but made from them mere tools of political competition for power due to the retreating political support!

*Thank you for your attention!
Ivo Vaněk, President of the NNO*



In 2009, the NNO expanded its activities in air pollution, in order to comprehensively solve a group of health risks, as it follows from the logic of European professional competencies that are unfortunately in contradiction with the departmental competencies of the Czech executive power.

In February 2011, the NNO delegation headed by the President, Mr. Ivo Vaněk, visited the Managers of the French engineering investment company EGIS (the second largest company in the world after American BECHTEL) in Guyancourt near Versailles. The meeting covered the cooperation in the modernization of highway and railway networks of the Czech Republic with emphasis on the latest environmental technologies especially in the modernization of the D1 highway between Prague and Brno. There was discussed the second major project, suitable for mutual cooperation, which was the rapid railway connection between the international airport Ruzyně, now Vaclav Havel Airport in Prague, and the main railway station in the Prague center. Both sides labeled the equivalent project in Lyon, France, where EGIS realized such project in recent years, as the example of the optimal solution. Other topics were also open, such as the concept of further development of the toll system on highways and roads in the Czech Republic, the transformation of Road and Highway Directorate of the Czech Republic into the modern and perspective joint-stock company or the variant of the application PPP in the spirit of the Czech legislation. Negotiations in Guyancourt near Versailles followed the first visit of Mr. Alain de Penfentenyo in Prague on 24 November 2010, when the top management of the Ministry of Transport of the Czech Republic, at the initiative of the President of the NNO, Mr. Ivo Vaněk, familiarized with the worldwide activities of the company EGIS and offered a cooperation to the Czech Republic.



W e c o m e t o

Mr Ivo VANEK
President National Noise Observatory

Mr Cestmir ZBUZEK
Head Expert group for foreign relations

Mr Martin SIMBERA
Assistant to the President

EGIS, presentation
Delegation from Czech Republic
15th february 2011

February 2011

 **egis**

GROUPE

Caisse des Dépôts



Mr. Alain de Penfentenyo, the Director for Europe and Asia, Mr. Paul-Marie Ringwald, the Director International Relations, Mr. Christian Laugier, the Chief Executive Officer, Mr. Alain Poliakov, the Business Development Director, the Member of Executive Committee, Mr. Vincent Terrasso, the Director group's international subsidiary, Mr. Ivo Vaněk, the President of the NNO and Mr. Čestmír Zbuzek, the Head Expert Group for Foreign Relations of the NNO.



On the left: In Prague, the Professor Mr. Milan Konečný is presenting possibilities of utilization of Geographic information systems for creation of noise maps to the delegation from French company EGIS. On the right: Mr. Alain de Penfentenyo, the Director for Europe and Asia of French company EGIS with Mr. Josef Novák, the Chairman of citizens association "Kolínsko", May 2011.

In 2011, the NNO started the cooperation with the biggest Czech energetic company and the second biggest company in the Czech Republic CEZ Group (Czech energetic company) on building of the net of rechargeable stations for electric cars in the Czech Republic. The rechargeable station in town Cerhenice was a pilot project.



Mr. Tomáš Chmelík, the Director of the program Clean mobility CEZ Group is visiting the town Cerhenice, which is 70 kilometers from Prague, by electric car.

ELEKTROMOBIL ZELENÁ PRO VAŠI DOPRAVU

/ ELEKTROMOBIL /

- šetrnější k životnímu prostředí
- nízké provozní náklady
- zvyšující se dojezdová vzdálenost dle kapacit baterií

/ DOBA NABÍJENÍ /

- rychlé dobíjení 20–30 minut
- normální dobíjení 4–6 hodin



/ DOBIJTE SI ZNALOSTI NA WWW.ELEKTROMOBILITA.CZ /

FUTUR/E/MOTION
ENERGIE ZPRÁVA

The international Czech – Austrian – French – Dutch science-realization team prepares the installation of the most modern Intelligent Transport Systems in town Cerhenice, such as traffic lights, pedestrian crossings, section speed measurements, dynamic weighing machines for means of transport, a night vision camera system and also a large acoustical camera GAS, which enable regulation of speed, density of traffic according to its intensity but also its re-routing with emphasis on evenly spreading means of transport into the whole traffic-communication system of territorial unit and with this sensitive way it achieves maintaining of all pollution limits such as a noise, dust, CO₂ and others on the safe level. All the staff is controlled by a switchboard with artificial intelligence. The GAS will also contribute to increasing of traffic fluency and elimination of overloaded transport routes.



During the press conference, the leaders of CEZ Group introduced their intentions during building of the net of rechargeable stations for electric cars. From left: Mr. Tomáš Chmelík, the Director of the program Clean mobility, Mr. Pavel Cyrani, the Member of Board of Directors CEZ Group, Ms. Bohdana Horáčková, the Communication Director and the Representative of the rechargeable stations supplier.



Mr. Tomáš Chmelík, the Director of the program Clean mobility, Mr. Pavel Cyrani, the Member of Board of Directors CEZ Group and Mr. Tomáš Knespl, the Deputy Director of the program Clean mobility.



The strategic partners of the program Clean mobility received thanks for cooperation during the gala evening organized by company CEZ Group in Prague, January 2012. Mr. Ivo Vaněk, the President of the NNO took the award for the NNO.