

**INTERNATIONAL CONFERENCE**  
**“ENVIRONMENTAL QUALITY AND SAFETY AT THE BEGINNING**  
**OF THE 21<sup>st</sup> CENTURY”**  
**ROMANIA**  
**CLUJ-NAPOCA**  
**17-18 OCTOBER 2008**

The Conference was held in “Babes-Bolyai” University in Cluj-Napoca, and its organizers were:

- “Babes-Bolyai” University in Cluj-Napoca
- Environmental Sciences Department
- Ministry of Interior and Administrative Reform - General Inspectorate for Emergency Situations
- The International Emergency Management Society

The conference approached the following topics:

- Energy, Environment and Sustainable Development
- Pollution Sources. Risk Assessment and Analysis
- Environmental Management and Monitoring
- The SEVESO Directives
- The ATEX DIRECTIVES
- Technologies and Equipments for Environmental Assessment and Protection
- Waste Management, including Dangerous Wastes

The event focused on some target groups with responsibilities in the field: academic milieu, industry (stakeholders representing risk sources by the specific of the activities they develop), competent authorities, civil society and local community. The event gathered 200 participants and thus represented a meeting point for the debate of common interest issues, experience exchange and knowledge. It intended and succeeded in improving the dialogue between all the factors involved in environmental safety and emergency management situations.

The conference lasted 2 days and it included a TIEMS Workshop, an ATEX Workshop, presentations and posters distributed on several sections.

**The TIEMS Workshop** was held in the first day of conference and included presentations of:

- **Harald Drager** – President of TIEMS – TIEMS - An International Network in Disaster and Emergency Management
- **Giedo Van pellicom** – TIEMS - Lessons Learned - Train Fire Investigation

In 2007, the Romanian Chapter of TIEMS was developed, and its operation is provided by the “APELL National Center for Disaster Management” Foundation. The Conference was a good opportunity to disseminate the information to the participants and to offer them the possibility to become members of this organization.

**The ATEX Workshop** was held by the Company ETEA SICUREZZA, represented by Dr. **Ferruccio Cerruti** – Director ETEA SICUREZZA with the presentation *ATEX: Modern approach in the integrated risk assessment of fire and explosion in the process industry*. Dr. Cerruti presented a method to assess the fire and explosion risk and described the ATEX Directives, which focuses on the personnel, population and community safety.

On this occasion, an Agreement of Cultural and Scientific Cooperation was signed between Babes-Bolyai University and ETEA SICUREZZA, a company founded in 1993 in Italy, which operates in the field of industrial safety.

Within the conference, there was also presented the **Aidmatrix** concept in Romania. **The Aidmatrix Network** provides solutions for information and communication among companies in the USA and governmental authorities to facilitate the goods and services flow in emergency situations or various crises. The network provides a platform for the transfer of these solutions and of the associated technologies. The Aidmatrix Network is implemented in Romania by the “APELL National Center for Disaster Management” Foundation, based in Turda, Cluj County. The purpose of the Aidmatrix Network is to mobilize human and material resources in order to mitigate the disasters impact upon the environment and population.

Other plenary lectures in the topic of the conference were presented by keynote speakers such as:

- **Adam Markowski** – Professor, Lodz Technical University, Poland - *ExSys-LOPA for the Chemical Process Industry*
- **David Barry** – DLB Environmental, UK – *Contamination remediation on the MILLENNIUM DOME Site – London*
- **Alexis Dutrieux** – Managing Director ATM - PRO Belgium - *The SEVEX tools: the new approach for off-site effects analysis & effective emergency planning*
- **Siliano Stanganini** - ICARO SRL, Italy - *Contamination assessment and reclaim in a petroleum storage industrial site: an Italian case study*
- **Bilanici Aurel** – APELL Foundation - *The AIDMATRIX Concept in Romania*

By discussions among the representatives of all the stakeholders involved, there was developed a good dialogue, focused on the involvement of population, awareness and risk communication. It was clearly highlighted the need to create and develop a network of experts and organizations to work together at local, national and global level in order to minimize the environmental risk and respond in case of emergency situation.

The results of the conference were uploaded on the following websites:

<http://enviro.ubbcluj.ro/evenimente/elsedima%202008%20b.html>

[http://apell.ro/conference2008\\_en.html](http://apell.ro/conference2008_en.html)

**Cluj-Napoca 18<sup>th</sup> October 2008**

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