

INTRODUCTORY PROGRAM

7 OCTOBER 2009 – WEDNESDAY

- 11:00 – 12:30 Registration
- 12:30 – 13:30 Lunch
- 13:45 – 14:00 Inauguration of International Conference – **Zygmunt Folta M.Sc.**, President of The Research and Supervisory Centre of Underground Mining Co. Ltd (CBiDGP), Łędziny

PANEL SESSION

State policy towards areas degraded due to industrial activities

14:00 – 15:45 Participation in this discussion:

- **Bernard Błaszczyk** – Ministry of the Environment, Warsaw
- **Jerzy Swatoń** – National Fund for Environmental Protection and Water Management, Warsaw
- **Joanna Piekutowska**, Chief Inspectorate for Environmental Protection, Warsaw
- **Jan Dulewski** – State Mining Authority, Katowice
- **Jerzy Ziara** – Marshal Office of the Silesian Voivodeship, Katowice
- **Grażyna Zduńczuk-Studnicka** – Marshal Office of the Silesian Voivodeship, Katowice
- **Anna Wrześniak** - Voivodship Inspectorate for Environmental Protection in Katowice
- **Gabriela Lenartowicz** - Provincial Fund for Environmental Protection and Water Management
- **Marek Korcz** – Institute for Ecology of Industrial Areas, Katowice
- Representative of Minister of Economy
- Representative of Ministry of Regional Development

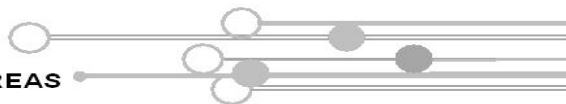
15:45 – 16:00 Coffee break

1st SESSION

Social and economical aspects of revitalization of degraded and post-industrial areas

Session Chairman: Prof. Czesława Rosik – Dulewska, Jerzy Swatoń M.Sc.

- 16:00 – 16:15 **Reclamation of areas affected by the activity of the hard coal mines of Katowicki Holding Węglowy S.A.** – Stanisław Gajos M.Sc., Wojciech Dygdała M.Sc., Urszula Mieszczak M.Sc., Sławomir Sz wajda M.Sc., Katowice Coal Holding S.A., Katowice, Poland
- 16:15 – 16:30 **The opportunities for eco-development of regions using the anthropogenic qualities of areas of the abandoned open cast mines** – Dr. Elżbieta Pietrzyk-Sokulska, Mineral and Energy Economy Research Institute, Cracow, Poland
- 16:30 – 16:45 **The procedure and role of human health risk assessment in the remediation process of contaminated sites** – Dr. Eleonora Wcisło, Institute for Ecology of Industrial Areas, Katowice, Poland
- 16:45 – 17:00 **Industrial Parks - a Tool for Revitalization of Urban and Industrial Areas** – Magdalena Daczyńska M.Sc., Silesian University of Technology, Gliwice, Poland



- 17:00 – 17:15 **Verification of the risk management tools for assessing the demand for environmental technologies for revitalisation of the post-industrial areas** – Dr. Włodzimierz A. Sokół, Central Mining Institute, Katowice, Poland
- 17:15 – 17:30 **The social dimension of industrial and urban revitalization** – Dr. Justyna Gorgoń, Institute for Ecology of Industrial Areas, Katowice, Poland
- 17:30 – 17:45 **The public acceptance of reclamation activities in industrial areas, exemplified by the city of Jastrzebie Zdroj (Silesian voivodship)**
– Dr. Małgorzata Pawul, Prof. Wiktoria Sobczyk, AGH University of Science and Technology, Cracow, Poland
- 17:45 – 18:00 **World's and Poland's mineral and ecological problems** – Prof. Stanisław Pytko, Dr. Paweł Pytko, AGH University of Science and Technology, Cracow
- 18:00 – 18:15 **The legal and market conditions for the investigation, remediation, and revitalization of degraded areas in central and Eastern Europe – case studies from Poland and Romania** - M.A. Urban Kaiser, M.A. Wiktoria Lajter, M.A. Emilia Cylwik – Fraunhofer Center for Central and Eastern Europe, Niemcy – presented by Marianne Mueller-Albinsky
- 18:15 – 18:45 Discussion
- 19:30 Gala Dinner

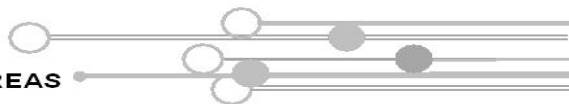
8 OCTOBER 2009 – THURSDAY

- 8:00 – 8:45 Breakfast

2nd SESSION Hazardous substances in degraded areas

Session Chairman: Dr. Tomáš Ocelka, Prof. Stanisław Baran

- 9:00 – 9:15 **The application of biotests as indicators of soil contamination** – Dr. Grażyna Płaza, Institute for Ecology of Industrial Areas, Katowice, Poland, Dr. Grzegorz Jawecki-Nałęcz, Medical University of Warsaw, Poland, Prof. Rosa Margesin, Institute of Microbiology, Innsbruck University, Austria
- 9:15 – 9:30 **The effect of physico-chemical parameters on biodegradation of 2,4,6 trinitrotoluene in soil** – Katarzyna Moraczewska-Majkut M.Sc., Institute for Ecology of Industrial Areas, Katowice, Poland
- 9:30 – 9:45 **Methods of marking selected priority substances in estimation of quality of water environment – screening examination of samples collected from Silesia Voivodeship Areas** – Izabela Fulara M.Sc., Jacek Wypych M.Sc., Institute for Ecology of Industrial Areas, Katowice, Poland
- 9:45 – 10:00 **Application of phytotoxkittm test for an assessment of soils polluted with heavy metals** – Prof. Czesława Jasiewicz, Dr. Agnieszka Baran, Dr. Jacek Antonkiewicz, Agricultural University, Cracow, Poland
- 10:00 – 10:15 **Application of hydrogeochemical modelling to evaluate the influence of mining waste on groundwaters, a case study from CSOG in Knurów** – Katarzyna Samborska M.A., Maciej Terakowski M.Sc., Institute for Ecology of Industrial Areas, Katowice, Poland
- 10:15 – 10:30 **Uses of Common Birch (*Betula Verrucosa*) for Large-Area Monitoring of Water and Soil Environment** – Dr. Włodzimierz Łukasik, Institute for Ecology of Industrial Areas, Katowice, Poland
- 10:30 – 10:45 **Ecotoxicological tests in the strategy of environmental reclamation and revitalisation** – Prof. Stanisław Baran, Agricultural University, Lublin, Poland
- 10:45 – 11:15 Discussion
- 11:15 – 11:30 Coffee break



3rd SESSION

Remediation technologies for degraded areas

Session Chairman: Prof. Edward Popiołek, Zygmunt Folta M.Sc

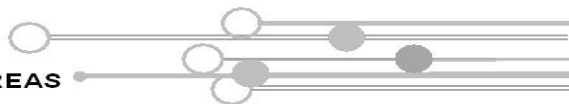
- 11:30 – 11:45 **The use of lignite and grasses species for chemophytostabilization of soils heavily polluted with metals** – Jacek Krzyżak M.A., Institute for Ecology of Industrial Areas, Katowice, Poland
- 11:45 – 12:00 **Changes in arsenic mobility after soil amending with phosphate compounds as a heavy metal stabilizers** – Marta Pogrzeba M.A., Institute for Ecology of Industrial Areas, Katowice, Poland
- 12:00 – 12:15 **Uses of Willow for Remediation and Energy Production within Polluted Areas** – Dr. Jerzy Szdzuj, Dr. Włodzimierz Łukasik, Institute for Ecology of Industrial Areas, Katowice, Poland
- 12:15 – 12:30 **A novel non – combustion technology of catalytic dehalogenation of POPs: copper mediated destruction (CMD)** – Dr. Tomas Ocelka, Institute of Public Health in Ostrava, Czech Republic
- 12:30 – 12:45 **Flotation technology for energetic industry waste utilization** – Dr. Andrzej Wieniewski, Dr. Bożena Skorupska, Dr. Damian Mazurek, Institute of Non-Ferrous Metals, Gliwice, Poland
- 12:45 – 13:00 **Biodegradation of weathered petroleum contaminants in waste pits area** – Dr. Teresa Steliga, Piotr Jakubowicz M.A., Oil & Gas Institute, Krosno, Poland
- 13:00 – 13:15 **Full-scale in-situ chemical reduction for remediation of cvocs at an industrial site in The Netherlands** – Andrzej Przepiora M.Sc., Adventus Group, Waterloo, Ontario, Canada, Willem Havermans, NTP MILIEU Enschede, The Netherlands
- 13:15 – 13:30 **In Situ Geochemical Stabilization (ISGS) for NAPL Management** – Andrzej Przepiora M.Sc., Adventus Group, Waterloo, Ontario, Kanada, Jim Mueller Ph.D., Adventus Group, Freeport, IL USA
- 13:30 – 14:00 Discussion
- 14:00 – 15:00 Lunch

4th SESSION

Revitalization of urban and industrial areas in town-planning and regional development strategy

Session Chairman: Prof. Krzysztof Gasidło, Dr. Jan Skowronek

- 15:15 – 15:30 **Forecasting risks in mining and post-mining sites** – Prof. Edward Popiołek, AGH University of Science and Technology, Cracov
- 15:30 – 15:45 **The meaning of the biological recovery of the post-industrial sites in the presence of increased investments. Dylema of revitalisation processes in Zurich, Switzerland** – Dr. Anna Włodarczyk, Institut fuer Landschaftsarchitektur und Freiraumplanung Technische Universitaet, Berlin, German
- 15:45 – 16:00 **The development of the model of transformations for the degraded areas on the base of the examples of the International Building Exhibition (IBA) in Germany** – Bartłomiej Buława M.Sc., Silesian University of Technology, Gliwice, Poland
- 16:00 – 16:15 Coffee break
- 16:15 – 16:30 **Multivariant conception of reclamation landfills of industrial and hazardous waste GÓRKA in Trzebinia** – Dariusz Choromański M.A., Dr. Wojciech Wołkowicz, Dr. Tomasz Nałęcz, State Geological Institute, Warsaw, Poland



- 16:30 – 16:45 **The environmental heritage of the western Jaslo-Krosno crude-oil district**
– Dr. Ewa Jadwiga Lipińska, State Higher Vocational School, Krosno, Poland
- 16:45 – 17:15 Discussion
- 18:00 Open Air – Dinner

9 OCTOBER 2009 – FRIDAY

8:00 – 8:45 Breakfast

5th SESSION Self-purification process in soil-water environment

Session Chairman: Dr. Leszek Trząski, Dr. Jan Dulewski

- 9:00 – 9:15 **Water reservoirs as an environmentally-friendly form of post-mine areas revitalisation** – Jerzy Matuszewski M.Sc., HYDROPROJEKT Sp. z o.o., Warsaw, Poland
- 9:15 – 9:30 **Identification of the causes of surface water quality changes using the water balance model: the Klodnica catchment case study** – Rafał Ulańczyk M.Sc., Institute for Ecology of Industrial Areas, Katowice, Poland
- 9:30 – 9:45 **Anthropogenic water reservoir – function and proposal of manage** – mgr Monika Działoszyńska-Wawrzekiewicz, Institute for Ecology of Industrial Areas, Katowice, Poland
- 9:45 – 10:00 Discussion
- 10:00 – 10:15 Coffee break

6th SESSION Natural succession in post-industrial areas

Session Chairman: Prof. Stanisław Baran, Mathias Rauch M.A.

- 10:15 – 10:30 **The biodiversity changes in the forests of the zakłady azotowe “Puławy” protective zone under diminishing anthropopression** – Dr. Tomasz Staszewski, Piotr Kubiesa M.Sc., Institute for Ecology of Industrial Areas, Katowice, Poland Dr. Aldona Uziębło, University of Silesia, Katowice, Poland
- 10:30 – 10:45 **The changes in the relief of dune sand excavations** – Aleksandra Szczepańska M.A., University of Humanities and Sciences, Kielce, Poland
- 10:45 – 11:00 **Use of natural succession in reclamation of post-flotation tailings** – Dr. Przemysław Ryszka, Jagiellonian University, Cracow, Poland, Dr. Magdalena Zarzyka-Ryszka, Dr. Grażyna Szarek-Łukaszewska, Institute of Botany, Polish Academy of Sciences, Cracow, Poland
- 11:00 – 11:15 **Spontaneous processes on post industrial sites - the possibility of use in revitalization** – Dr. Gabriela Woźniak, Dr. Edyta Sierka, University of Silesia, Katowice, Poland
- 11:15 – 11:45 Discussion
- 11:45 – 12:00 Conclusion – **Dr. Jan Skowronek**, Director of Institute for Ecology of Industrial Areas, Katowice, Poland
- 12:00 – 12:45 Lunch
- 13:00 Departure of Participants