

INTRODUCTORY PROGRAM

6 OCTOBER 2010 – WEDNESDAY

- 11:30 – 13:00 Registration
- 13:00 – 14:00 Lunch
- 14:00 – 14:15 Inauguration of International Conference – **Zygmunt FOLTA M.Sc.**, President of The Research and Supervisory Centre of Underground Mining Co. Ltd (CBiDGP), Łędziny;
- 14:15 – 14:45 Ceremony of awarding prizes to students and young scientists taking part in the National Competition for Research Studies on Revitalisation of Degraded Areas (REVITARE);

PANEL SESSION The revitalisation barriers

- 14:45 – 16:30 Participation in this discussion:
- **Bernard BŁASZCZYK** – Ministry of the Environment, Warsaw, Poland;
 - **Jerzy ZIORA** – Marshal Office of the Silesian Voivodeship, Katowice, Poland;
 - **Józef KORPAK** – Tarnowskie Gory District, Tarnowskie Gory, Poland;
- 16:30 – 17:00 Coffee break

1st SESSION Natural and landscape aspects of revitalization of degraded areas

Session Chairman: **Prof. Stanisław BARAN, Dr. Tomasz STUCZYŃSKI**

- 17:00 – 17:15 Evaluation of ecological conditions and the current state of vegetation cover of two waste heaps “DOŁKI” in Piekary Śląskie (Poland) as a basis for planning land rehabilitation process and further development – **Dr. Rafał KUCHARSKI, Dr. Aleksandra SAS – NOWOSIELSKA, Dr. Grazyna PLAZA, Jacek KRZYŻAK, M.A.** – Institute for Ecology of Industrial Areas, Katowice, Poland; **Dr. Adam ROSTAŃSKI, Dr. Ewa GUCWA – PRZEPIÓRA, Paweł WAŚOWICZ M.A.** – University of Silesia, Katowice, Poland; **Dr. Jolanta SOBIK – SZOŁTYSEK** – Częstochowa University of Technology, Częstochowa, Poland;
- 17:15 – 17:30 Multiannual ruderal vegetation of tramway infrastructure of Szczecin as an extensive substitutional greenery for degraded areas – **Dr. Magdalena KLERA** – Ostoja Training and Research Center for Renewable Energy Sources, West Pomeranian University of Technology, Szczecin, Poland;
- 17:30 – 17:45 Developing the concept of revitalisation of the Brynica river valley in Piekary Śląskie, Wojkowice, Siemianowice Śląskie and Czeladź community. Review of source materials and identification of potential revitalization areas – **Tomasz SIOBOWICZ M.A.** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 17:45 – 18:00 Water reservoirs in post- mining quarries – possibilities of their management – **Dr. Elzbieta PIETRZYK – SOKULSKA** – Mineral and Energy Economy Research Institute, Cracow, Poland
- 18:00 – 18:20 Discussion
- 19:30 Gala Dinner

7 OCTOBER 2010 – THURSDAY

- 8:00 – 8:45 Breakfast

2nd SESSION Techniques of soil-water environment monitoring and survey

Session Chairman: **Dr. Piotr POBORSKI, Gundula PROKOP, Jerzy SWATOŃ M.Sc.**

- 9:00 – 9:15 Modern approach to the non-point sources of river pollution on the urban areas – **Dr. Katarzyna MORACZEWSKA – MAJKUT, Rafał ULAŃCZYK M.Sc.** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 9:15 – 9:30 The use of biotests in estimation of bioremediation processes in drill wastes from old waste pits – **Dr. Teresa STELIGA, Piotr JAKUBOWICZ M.A.** – Oil & Gas Institute, Krosno, Poland;
- 9:30 – 9:45 Application of geoelectrical methods in studies of coal mining waste dump in the former sand mines before their reclamation – **Arlena KOWALSKA M.A.** – University of Silesia, Sosnowiec, Poland;
- 9:45 – 10:00 Ecological risk assessment of abandoned polluted industrial area in municipality Celje, Slovenia – **B.Sc., Nadja ROMIH, B.Sc., Boštjan GRABNER, Dr. Cvetka RIBARIČ LASNIK** – Institute of the Environment and Spatial Planning, Celje, Slovenia; **Dr. Viktor GRILC** – National Institute of Chemistry Slovenia, Laboratory for Environmental Sciences and Engineering, Ljubljana, Slovenia, **Dr. Miran LAKOTA** – Faculty of Agriculture and Life Sciences, Hoče, Slovenia;
- 10:00 – 10:15 Selected passive sampling device for assessment of contaminants in water – **Dr. Tomáš OCELKA** – Institute of Public Health in Ostrava, Czech Republic;
- 10:15 – 10:30 Magnetic and geochemical anomalies of soil in the transect between the towns of Bytom and Tarnowskie Góry, reasons for their formation and ecological consequences – **Prof. Zygmunt STRZYSZCZ, Adam ŁUKASIK M.Sc., Marcin SZUSZKIEWICZ M.A., Małgorzata WAWER M.A.** – Institute of Environmental Engineering - Polish Academy of Sciences, Zabrze, Poland;
- 10:30 – 10:50 Discussion
- 10:50 – 11:15 Coffee break
- 11:15 – 11:30 Assessment of properties and the problem of repeated reclamation of technogenous soil formations developed on the area of the abandoned mine of ferrous sulfide in Rudki – **Dr. Łukasz UZAROWICZ** – Warsaw University of Technology, Warsaw, Poland;
- 11:30 – 11:45 Use of magnetometric techniques for identification of soil on areas affected by deposition of industrial dust – **Prof. Zygmunt STRZYSZCZ, Dr. Marzena RACHWAŁ, Adam ŁUKASIK M.Sc.** – Institute of Environmental Engineering - Polish Academy of Sciences, Zabrze, Poland;
- 11:45 – 12:00 Using of biological indicators to evaluate quality of heavy metals contaminated soils – **Dr. Grażyna PŁAZA, Dr. Aleksandra SAS – NOWOSIELSKA, Dr. Rafał KUCHARSKI** – Institute for Ecology of Industrial Areas, Katowice, Poland; **Dr. Grzegorz NAŁĘCZ – JAWECKI** – Medical University of Warsaw, Poland, **Dr. Tamara ALEKSANDRZAK – PIEKARCZYK** – Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw, Poland; **Magdalena PACWA M.A., Dr. Zofia PIOTROWSKA – SEGET** – University of Silesia, Katowice, Poland;
- 12:00 – 12:15 Analytical methods for assessment of water environment contaminated by priority substances – **Izabela FULARA M.A.** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 12:15 – 12:30 Leading assessment criteria of the postindustrial soil-less object for remediation need – **Dr. Kazimierz GRABAS** – Wrocław University of Technology, Wrocław, Poland;
- 12:30 – 12:45 Current experience from I. part of national inventory of contaminated sites and brownfields in the Czech Republic – **ing. Michal KRÍŽ** – AQUATEST, Praha, Czech Republic
- 12:45 – 13:10 Discussion

13:10 – 14:00 Lunch

3rd SESSION Remediation technologies for degraded areas

Session Chairman: Prof. Krzysztof GASIDŁO, Mathias RAUCH M.A.

- 14:00 – 14:15 Management of bottom sediments after changes of granulometric composition to obtain strong plant cover – **Dr. Marta POGRZEBA, Jacek KRZYŻAK M.A., Dr. Aleksandra SAS – NOWOSIELSKA** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 14:15 – 14:30 Reclamation of soils influenced by metallurgy industry through chemical stabilization of xenobiotics – **Dr. Janusz ROSADA** – Institute of Plant Protection, National Research Institute, Poznan, Poland;
- 14:30 – 14:45 Reclamation of the abandoned dump of post-flotation wastes in Iwiny – **Mateusz MALCZEWSKI M.Sc.** – KGHM Polska Miedź S.A., a joint stock company, Lublin, Poland;
- 14:45 – 15:00 Land reclamation of a former mining water sedimentation tank - BOJSZOWY – **Grzegorz WYSZOGRODZKI M.A., Jan MERTAS M.Sc., Klaudiusz SZCZUREK M.Sc.** – Coal Company (Kompania Węglowa S.A.), Katowice, Poland;
- 15:00 – 15:15 Biodegradation of aromatic compounds by immobilized bacteria – **Dr. Janusz DZIRBA** – The Research and Supervisory Centre of Underground Mining Co. Ltd, Łędziny, Poland;
- 15:15 – 15:30 Evaluation of soil substitutes for remediation purpose prepared as a mixture of sewage sludge and fly ash – **Dr. Aleksandra SAS – NOWOSIELSKA, Dr. Marta POGRZEBA, Maciej TERAKOWSKI M.A.** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 15:30 – 15:50 Discussion
- 15:50 – 16:15 Coffee break

4th SESSION Social and economical aspects of revitalization of degraded areas

Session Chairman: Prof. Czesława ROSIK – DULEWSKA, Dr. Tomáš OCELKA

- 16:15 – 16:30 Social aspects of revitalization degraded land as the result of open-cast sulfur mining in Tarnobrzeg area – **Prof. Wiktoria SOBCZYK, Dr. Małgorzata PAWUL** – AGH University of Science and Technology, Cracow, Poland;
- 16:30 – 16:45 New residents of an old district in Gdansk and their contribution to bottom-up revitalisation processes – **Maja GRABKOWSKA M.A.** – The University of Gdańsk, Poland;
- 16:45 – 17:00 Public attitudes towards natural environment of degraded post-industrial areas: a case study of the Bonarka in Cracow – **Marek CIECHOWSKI M.A.** – Jagiellonian University, Cracow, Poland;
- 17:00 – 17:15 Similarities and differences in the interaction of relevant stakeholders in the field of investigation, remediation and revitalization of degraded areas in Poland and Romania – **Urban KAISER M.A.** – Fraunhofer Center for Central and Eastern Europe (MOEZ), Leipzig, Germany;
- 17:15 – 17:30 Innovative method of ranking of public and private revitalization projects on the degraded urban areas – **Tomasz SZULC M.Sc.** – Silesian University of Technology, Zabrze;
- 17:30 – 17:45 Revitalization and gentrification – fiction or reality? Case study of Bielsko-Biala old town – **Nina GRAD M.A.** – Jagiellonian University, Cracow, Poland;

- 17:45 – 18:00 Problems of consideration of environmental damages in degraded lands valuation – **Dr. Jolanta BARAN, Dr. Agnieszka JANIK, Dr. Adam RYSZKO** – Silesian University of Technology, Zabrze;
- 18:00 – 18:30 Discussion
- 19:00 Open Air – Dinner

8 OCTOBER 2010 – FRIDAY

- 8:00 – 8:45 Breakfast

5th SESSION

Spatial planning strategies, management and implementation of revitalization process

Session Chairman: Prof. Edward POPIOŁEK, Prof. Marek Stanisław SZCZEPAŃSKI

- 9:00 – 9:15 The conception of revitalization and land management of the old urban slaughterhouse in Toruń – **Krzysztof ROGATKA M.Sc.** – Department of Urban and Recreation Studies Institute of Geography, Nicolaus Copernicus University in Toruń, Poland;
- 9:15 – 9:30 Directions and development of the database of postindustrial sites in Silesian Voivodship – **Izabella NAWARA – SŁOMSKA M.Sc., Dr. Jerzy ZIORA** – Marshal Office of the Silesian Voivodeship, Katowice, Poland; **Jan BONDARUK M.Sc.** – Central Mining Institute, Katowice, Poland;
- 9:30 – 9:45 Risk assessment – a tool for supporting remediation decisions at contaminated sites in Cyprus – **Dr. Eleonora WCISŁO, Dr. Marek KORCZ, Jack DŁUGOSZ M.Sc.** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 9:45 – 10:00 Components of the systematic approach to the revitalization process in the Silesian Province – **Tadeusz ADAMSKI, Robert ORPYCH, Sławomir JAWORSKI** – Marshal Office of the Silesian Voivodeship, Katowice, Poland;
- 10:00 – 10:15 Circular land use – new solution in sustainable management of areas – **Dr. Anna STARZEWSKA – SIKORSKA** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 10:15 – 10:30 Revitalization of John Paul II Park in Gdansk – **Izabela ŻOCZEK M.Sc., Justyna ŻOCZEK M.Sc.** – Gdańsk University of Technology, Gdańsk, Poland;
- 10:30 – 10:45 Planning strategies for former industrial areas. Guidelines from Europe – **Dr. Anna Marta WŁODARCZYK** – ARCH – URBS (Architectural Urban Projects Research Studio), Katowice, Poland;
- 10:45 – 11:00 Limits of application of a foreign transformation model of degraded areas in Poland on example of the International Building Exhibition in Germany – **Bartłomiej BUŁAWA M.Sc.** – Silesian University of Technology, Gliwice, Poland;
- 11:00 – 11:15 Risk management tools in evaluation of environmental technologies for antropogenic sites – **Dr. Włodzimierz A. SOKÓŁ** – Central Mining Institute, Katowice, Poland;
- 11:15 – 11:30 City metabolism in the revitalization processes – **Dr. Justyna GORGOŃ** – Institute for Ecology of Industrial Areas, Katowice, Poland;
- 11:30 – 11:45 Wrocław's sewage farm as an example of complexity of the degraded land in the city area revitalization issues – **Magdalena ŁAPCZYŃSKA-PIEPERZ M.Sc., Monika BRODZKA M.Sc.** – Wrocław University of Environmental and Life Sciences, Wrocław, Poland;
- 11:45 – 12:00 Ecological Problems in Poland and in the World – **Prof. Stanisław PYTKO, Dr. Paweł PYTKO** – AGH University of Science and Technology, Cracow, Poland;

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| 12:00 – 12:20 | Discussion |
| 12:20 – 12:30 | Ceremony of awarding a special prize for the best presentation in REVITARE Competition |
| 12:30 – 12:45 | Conclusion – Dr. Jan SKOWRONEK , Director of Institute for Ecology of Industrial Areas, Katowice, Poland; |
| 12:45 – 13:30 | Lunch |
| 13:30 | Departure of Participants |

Papers submitted for publication in conference materials

Analysis of conditions and benefits related with incorporation of greenhouse gases emissions from post-coal dumping grounds to emissions trading – **Dr. Jolanta BARAN, Dr. Agnieszka JANIK, Dr. Adam RYSZKO** – Silesian University of Technology, Zabrze

The local plan of revitalization as a integrating tool in processes of local and regional development – **Dr. Brygida Beata CUPIAŁ** – University of Zielona Góra, Poland

Revitalization of lubuskie's after-military terrains as example of elimination of negative external effects – **Dr. Joanna ZARĘBSKA, Dr. Brygida Beata CUPIAŁ** – University of Zielona Góra, Poland

The local plan of revitalization as system tool to solve the problems of demoted terrains – **Marzena GIDASZEWSKA – MATERNA M.A., Dr. Brygida Beata CUPIAŁ** – University of Zielona Góra, Poland