



## SECOND ANNOUNCEMENT

### 4th INTERNATIONAL CONFERENCE

# INNOVATIVE SOLUTIONS FOR REVITALIZATION OF DEGRADED AREAS

Ustroń, 6 - 8 October 2010

Organizers

The Research and Supervisory Centre of  
Underground Mining Co. Ltd in Łędziny

Institute for Ecology of Industrial Areas  
In Katowice

### THEMATIC SCOPE

- Techniques of soil-water environment monitoring and survey
- Spatial planning strategies, management and implementation of revitalization process
- Remediation technologies for degraded areas
- Natural and landscape aspects of revitalization of degraded areas
- Social and economical aspects of revitalization of degraded areas

### REVITARE

During the Conference laureates of the **National Competition for Research Studies on Revitalization of Degraded Areas - REVITARE** will be presented. The Competition is addressed to students and young scientists and the honorary patronage of the Competition has been taken by the Minister of the Environment, Minister of Science and Higher Education and the Students' Parliament of the Republic of Poland. Organisation of the Competition is financed by the National Fund for Environmental Protection and Water Management, the Poznań International Fair Ltd., the City of Chorzow, National Geographic Poland and Cerro Torre.

### PARTICIPANTS

The invitation is extended to state and private organizations as well as local governments involved in the process of revitalization of degraded areas, particularly post-industrial sites, i.e. local and regional authorities, site owners, companies dealing with soil and groundwater remediation and land reclamation, construction companies, academia, R&D units, experts, consultants, banks, and insurance companies from Poland and abroad.

### REGISTRATION FEE

Registration fee includes participation in the meeting, conference materials, accommodation, meals and accompanying events. Registration fee must be paid to the following bank account: **IBAN: PL63124042271978000048399748**

### REGISTRATION

Please register on the attached registration form.

### PROMOTION

- Promotion of companies in conference materials
- Promotion paper
- Promotion stand (2 m<sup>2</sup>, additional space for negotiation)

#### HONOUR PATRONAGE



#### MEDIA PATRONAGE



[www.cbidgp.pl](http://www.cbidgp.pl)



Ustroń is located in the very heart of the Silesian Beskids, at the end of a mountainous part of the Vistula valley, between Równica and Czantoria. It is a well-known health resort and holiday destination. Picturesque landscape, long tourist trails and healthy climate attract tourists, health resort patients, holiday-makers, as well as lovers of mountain sports and fishing every year.

### TIME AND VENUE

6 - 8 October 2010

Ustroń, JASKÓLKA Hotel, 10, Zdrojowa Street

[www.jaskolka.com.p](http://www.jaskolka.com.p)

### LANGUAGE

The conference will be held in Polish and English.

### CONFERENCE MATERIALS AND MONOGRAPH

Papers will be reviewed. Abstracts will be published in a conference brochure, full texts will be disseminated on a CD. After the conference the papers will be approved by the Scientific Program Committee and published in the monograph: "Innovative Solutions for Revitalization of Degraded Areas".

### DEADLINES

Applying for promotion of the company during the conference → **31 August 2010**  
Registration of participants → **21 September 2010**

[www.cbidgp.pl](http://www.cbidgp.pl)

### SCIENTIFIC PROGRAM COMMITTEE

- **Prof. Stanisław BARAN** – Agricultural University in Lublin, Poland
- **Bernard BŁASZCZYK** – Ministry of the Environment, Warsaw, Poland
- **Dr. Jan DULEWSKI** – State Mining Authority, Katowice, Poland
- **Dr Philippe LAVAL-GILLY** - IUT Thionville - Yutz, France
- **Zygmunt FOLTA, M.Sc.** – The Research and Supervisory Centre of Underground Mining Co. Ltd (CBiDGP) Łędziny, Poland
- **Stanisław GAJOS, M.Sc.** – Katowice Coal Holding (Katowicki Holding Węglowy S.A.), Katowice, Poland
- **Prof. Krzysztof GASIDŁO** – Silesian University of Technology, Gliwice, Poland
- **Dr. Andrzej JAGUSIEWICZ** – Inspectorate for Environmental Protection, Warsaw, Poland
- **Dr. Mirosław KUGIEL** – Coal Company (Kompania Węglowa), Katowice, Poland
- **Dr. Tomáš OCELKA** – Institute of Public Health, Ostrava, Czech Republic
- **Dr. Piotr POBORSKI** – WS Atkins Poland, Gliwice, Poland
- **Prof. Edward POPIOŁEK** – AGH University of Science and Technology, Cracow, Poland
- **Gundula PROKOP** – Umweltbundesamt GmbH, Wien, Austria
- **Mathias RAUCH, M.A.** – Zentrum für Mittel- und Osteuropa MOEZ Fraunhofer Center for Central and Eastern Europe, Lipsk, Niemcy
- **Prof. Czesława ROSIK-DULEWSKA** – Institute Of Environmental Engineering - Polish Academy Of Sciences, Zabrze, Poland
- **Dr. Jan SKOWRONEK** – Institute for Ecology of Industrial Areas, Katowice, Poland
- **Dr. Tomasz STUCZYŃSKI** – Institute for Cultivation, Fertilization and Soil Science, National Research Institute Puławy, Poland
- **Jerzy SWATOŃ, M.Sc.** – National Fund for Environmental Protection and Water Management, Warsaw, Poland
- **Prof. Marek Stanisław SZCZEPAŃSKI** – University of Silesia, Katowice, Poland
- **Andrzej SZYMKIEWICZ, M.Sc.** – The Southern Poland Coal Company

### ORGANIZING COMMITTEE

- **Czesław FILIPEK, M.Sc., Małgorzata RYSZKA, M.Sc** – CBiDGP
- **Wanda JAROSZ, M.Sc** – IETU

### CONFERENCE OFFICE

**Justyna SALWIERAK, M.Sc.** - CBiDGP, tel. +48 32 324 22 62, e-mail: [j.salwierak@cbidgp.pl](mailto:j.salwierak@cbidgp.pl)  
**Marta FUDAŁA, M.A.** - IETU, +48. 32 254 60 31, ext. 280, e-mail: [mfudala@ietu.katowice.pl](mailto:mfudala@ietu.katowice.pl)

### CONFERENCE SECRETARIAT

**Agnieszka KRAMARCZYK, M.Sc., Anna NIESZPOREK** - CBiDGP  
tel. +48 32 324 22 60, 32 324 22 62, fax +48 32 324 22 63 or +48 32 216 66 66,  
e-mail: [okidk@cbidgp.pl](mailto:okidk@cbidgp.pl)

## 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 "DOLKI" 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 - <b>Dr. Łukasz UZAROWICZ</b> - 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 - <b>Prof. Zygmunt STRZYSZCZ, Dr. Marzena RACHWAŁ, Adam ŁUKASIK M.Sc.</b> - 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 - <b>Dr. Grażyna PŁAZA, Dr. Aleksandra SAS - NOWOSIELSKA, Dr. Rafał KUCHARSKI</b> - Institute for Ecology of Industrial Areas, Katowice, Poland; <b>Dr. Grzegorz NAŁĘCZ - JAWECKI</b> - Medical University of Warsaw, Poland, <b>Dr. Tamara ALEKSANDRZAK - PIEKARCZYK</b> - Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warsaw, Poland; <b>Magdalena PACWA M.A., Dr. Zofia PIOTROWSKA - SEGET</b> - University of Silesia, Katowice, Poland;
12:00 - 12:15	Analytical methods for assessment of water environment contaminated by priority substances - <b>Izabela FULARA M.A.</b> - Institute for Ecology of Industrial Areas, Katowice, Poland;
12:15 - 12:30	Leading assessment criteria of the postindustrial soil-less object for remediation need - <b>Dr. Kazimierz GRABAS</b> - 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 - <b>ing. Michal KŘÍŽ - AQUATEST, Praha, Czech Republic</b>
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 - <b>Dr. Marta POGRZEBA, Jacek KRZYŻAK M.A., Dr. Aleksandra SAS - NOWOSIELSKA</b> - Institute for Ecology of Industrial Areas, Katowice, Poland;
14:15 - 14:30	Reclamation of soils influenced by metallurgy industry through chemical stabilization of xenobiotics - <b>Dr. Janusz ROSADA</b> -

Institute of Plant Protection, National Research Institute, Poznan, Poland;

14:30 - 14:45	Reclamation of the abandoned dump of post-flotation wastes in Iwiny - <b>Mateusz MALCZEWSKI M.Sc.</b> - KGHM Polska Miedź S.A., a joint stock company, Lublin, Poland;
14:45 - 15:00	Land reclamation of a former mining water sedimentation tank - <b>BOJSZOWY -Grzegorz WYSZOGRODZKI M.A., Jan MERTAS M.Sc., Klaudiusz SZCZUREK M.Sc.</b> - Coal Company (Kompania Węglowa S.A.), Katowice, Poland;
15:00 - 15:15	Biodegradation of aromatic compounds by immobilized bacteria - <b>Dr. Janusz DZIRBA</b> - 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 - <b>Dr. Aleksandra SAS - NOWOSIELSKA, Dr. Marta POGRZEBA, Maciej TERAKOWSKI M.A.</b> - 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 - <b>Prof. Wiktoria SOBCZYK, Dr. Małgorzata PAWUL</b> - 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 - <b>Maja GRABKOWSKA M.A.</b> - 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 - <b>Marek CIECHOWSKI M.A.</b> - 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 - <b>Urban KAISER M.A.</b> - 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 - <b>Tomasz SZULC M.Sc.</b> - 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 GORGON** - 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-PIEPRZ, 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;
- 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 integreting tool in processes of local and regional developement - **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

	<b>Centrum Badań i Dozoru Górnictwa Podziemnego</b> <b>Karta zgłoszenia formy uczestnictwa w konferencji</b>	<b>Kod:</b> <b>F-CB-USE-03-02</b>	
		<b>Wydanie: 03</b> <b>Data:</b> <b>20.08.2010 r.</b>	<b>Strona 6 z 6</b>

## **REGISTRATION FORM**

### **4th INTERNATIONAL CONFERENCE**

## **INNOVATIVE SOLUTIONS FOR REVITALIZATION OF DEGRADED AREAS**

Title, Name and Surname .....

Position .....

Name and Address of the Institution:

.....  
.....  
.....

Tax Identification Number .....

Phone Number. ....

E-mail.....

Fax: .....

### **I declare my participation in the Conference in the following forms:**

(insert x at the right position)

- 1) stay (accommodation, meals, conference materials - **350 EUR**)
- 2) stay (accommodation – single room, meals, conference materials - **400 EUR**)
- 3) stay for lecture authors (accommodation, meals, conference materials - **250 EUR**)
- 4) stay for lecture authors (accommodation – single room, meals, conference materials - **320 EUR**)
- 5) presentation and publication of the presentation in conference materials,
- 6) company's advertisement in conference materials (1 page, according to the previously sent design - **320 EUR**)
- 7) promotional presentation – company promotion (20 minutes) - **380 EUR**
- 8) promotional stand (2 m<sup>2</sup>) - **250 EUR** (additional space for negotiation)
- 9) other forms of participation (as agreed with the Organizer).

I declare that the amount of ..... EUR (points 7-10) will be transferred by 20<sup>th</sup> of September 2010 and the amount of ..... EUR (point 1-4) - by 4<sup>th</sup> of October 2010. The payment of the conference fee is by the bank transfer only. Please, transfer the conference fee to the following bank account:

**Holder of Account:** Centre of Research and Underground Mining Supervision Ltd.,  
8 Łędzińska Street, 43-143 Łędziny

**IBAN:** PL63124042271978000048399748, **SWIFT code:** PKOPPLPW

**Resignation procedure:** Resignation from the conference must be made in writing (fax) not later than 3 days before the conference. If resignation is made after this date no costs will be refunded.

I hereby agree for processing the submitted personal data strictly for the purposes of the Conference ( Act on Personal Data Protection dated 29 August 1997, Polish Journal of Laws No 133 Item 883 with further amendments ).

.....  
Signature of Chief Accountant

.....  
Signature of Managing Director