PROGRAMME OF THE INAUGURAL WORKSHOP OF THE IGCP/SIDA PROJECT 594
MINING AND THE ENVIRONMENT IN AFRICA
held in Kitwe, Zambia, October 17th-18th, 2011

Registration hours: Sunday, October 16th, 2011, from 17:00 to 19:00
Monday, October 17th, 2011, from 08:00 to 11:00
Lothian House, Chandamali Road, Kitwe

MONDAY, October 17th, 2011

8:40-9:30 Welcoming Addresses
8:40-8:50 Introductions – Master of Ceremony – Prof. Imasiku Nyambe
8:50-9:00 Prof. I. A. Nyambe – Directorate of Research & Graduate Studies, UNZA
9:00-9:10 Dr. B. Mapani – Geological Society of Africa
9:10-9:20 Mr. Francis Imasiku – Mopani Copper Mines
9:20-9:30 Prof. B. Kribek – Objectives of the Workshop

9:30-10:00 T. De Putter, S. Decrée, C. L. N. Banza & B, Nemery
Mining the Katanga (DRC) Copperbelt: geological aspects and impacts on public health and the environment – towards a holistic approach (Keynote)

10:00-10:30 B. Nemery
Potential adverse health effects of environmental and occupational exposure to minerals containing cobalt and associated metals (Keynote)

10.30-11:00 A. F. Mulaba-Bafubiandi
Impact of gold artisanal mining in the Ekhuruleni area (East of Johannesburg) on water resources and possible remediation (Keynote)

11:00-11:40 Coffee Break

Chairmen: T. De Putter, A.F. Mulaba-Bafubiandi

Impacts of mining and processing of copper and cobalt ores on the environment and human health in the Central-northern part of the Copperbelt Province of Zambia: An overview

An Artisanal Mining Environmental Code of Practice for Namibia

12:40-14:30 Lunch

Chairmen: A. N. Roychoudhury, I. M. Weiersbye

14:30-15:00 R. Ellmies, M. Hikumuah, K. Ndululilwa & G. Schneider
The strategic environmental management plan for the central Namib uranium province

15:00-15.30 B.S. Mapani, S. Uugulu, R.L. Hahn, R. Ellmies, N. Mwananawa, W. Amaambo & G. Schneider
Results of urine and blood from residents around the Copper Smelter Complex, Tsumeb, Namibia: An example of anthropogenic contamination (Invited)

15:30-16:00 F. Kamona, B Mapani, B. Kříbek, V. Majer, J. Pašava, J. Pecina, F. Sibanda, A. Amkongo, R. Ellmies, J. Macoun & J. Keder
Environmental-geochemical survey results in the Rosh Pinah Region, Namibia
16:00-16:30 Coffee Break
Chairmen: R. Ellmies, B. Mapani

16:30-17:00 K. Ndalulilwa, A. Haidula, R. Leonard & R. Ellmies
Risk assessment of abandoned mine sites in Namibia

17:00-17:30 V. Majer, I. Knésl, B. Kříbek, I. Nyambe, G. Ziwa, M. Mihaljević, V. Ettler & O. Sracek
Soil contamination and health risks associated with former Pb and Zn ore smelting in Kabwe, Zambia

TUESDAY, October 18th, 2011
Chairmen: I. Nyambe, S. Wolkowicz

Phreatophyte trees in contaminated sub-tropical to semi-arid landscapes - from exploration to phytoremediation on gold and uranium mines (Keynote)

9:30-10:00 M. W. Sutton, I. M. Weiersbye, J. S. Galpin, H. Tutu, N. Margalit, R. Stark & D. Heller
Risk assessment of gold and uranium mine residue deposits on the Eastern Witwatersrand, South Africa (Keynote)

10:00-10:30 A. N. Roychoudhury, S. Staniland & D. Cowan
A new strain of Comamonas Testosteroni isolated from heavy-metal contaminated site in the Zambian Copperbelt: Adaptation to cobalt and other heavy metals (Invited)

10:30-11:00 B. B. M. Nkoane, W. Lund, G. Wibetoe & N. Torto
Analytical studies of metallophytes that grow in Cu-Ni mineralised areas in Botswana (Invited)

11:00-11:20 S. Wolkowicz, P. Dobek, Z. Kowalski, I. Nyambe & M. Chirwa
Chemistry of surface waters of Kitwe region – preliminary results

11:20-11:30 S. Wolkowicz, M. Graniczny & Z. Kowalski
Polish aid programs realized by Polish Geological Institute – National Research Institute – current status and future plans

11:30-11:50 Coffee Break

11:50-13:00 Poster presentation

Poster 1: P. W. U. Appel, L. Na-Oy & E. Perez
The borax method – a safe way of extracting gold for small-scale miners

Sources of exposure to cobalt and other metals in populations from Likasi and Lake Changalele in Katanga, D.R. Congo
Overview of the hydrochemistry and water quality in areas influenced by gold mining activities in West and South Birrimian of Mali

High exposure to cobalt and other metals in mineworkers and malachite workers in Katanga, D.R. Congo

Poster 5: B. Kríbek, F. Veselovský, J. Malec, I. Kněsl, V. Majer, M. Mihaljevič V. Etller, O. Sracek & I. Nyambe
The heavy minerals in the Kafue River sediments, the Copperbelt Mining District, Zambia: Indicators of industrial contamination

Poster 6: M. Meck, D. Love & B. Mapani
Potential dispersion of toxic elements from mine dumps into surrounding soils in Zimbabwe

Student Posters – UNZA IWRM Centre

13:00-14:40 Lunch

14:40-16:00 Business Meeting of the IGCP 594: Election of the Project International Board, speciation of the project objectives, timing and organization of follow-up workshops and training courses in 1012-1014, specification of the project outputs, administrative agenda, project budget and sponsorsing, relationship between project and on-going research activities of the project participants, information on new AMIRA International Project P1085 Artisanal & Small-scale Mining in Africa: Finding a way forward.

16:00-16:50 Coffee Break

16:50-17:30 GENERAL DISCUSSION AND CLOSING OF THE WORKSHOP

WEDNESDAY, October 19th, 2011

POST-WORKSHOP FIELD TRIP to the Copperbelt Mining Area
Departure from the Lothian Hotel, 7:00
Itinerary: Morning: Divide into two Groups of 15 each – One Group to visit Underground South Ore Body, and the other Mindolo Mine, LUNCH ON THE ROAD
Afternoon: Chambishi tailings, Chingola mining district (remmediation of open pits, contamination of the Kafue River)

Evening: Arrival in Kitwe

Organizers reserve the right, due to circumstances beyond their control, to change speakers, program content and venue.
LIST OF PARTICIPANTS

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13 students from UNZA IWRM Centre