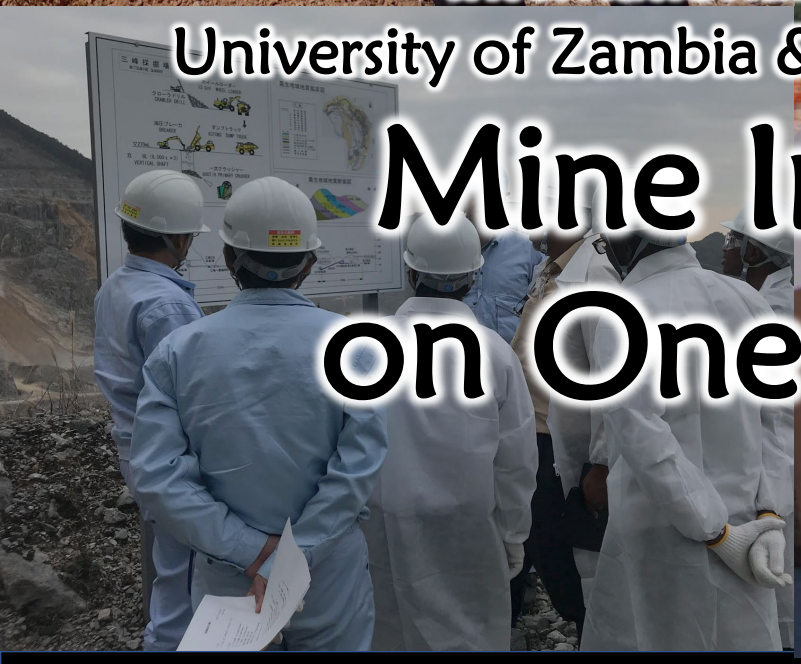

International Symposium

University of Zambia & Hokkaido University

Mine Impact on One Health

Date: 15 Feb, 2022

08:00-13:00 ZM, 15:00-20:00 JP

Style: Online (Webex)

Fee: Free

1. Overview for KAMPAI Project (30min)
2. Report by Group 1 (60 min)
3. Report by Group 2 (60min)
4. Report by Group 3 (60 min)
5. Poster Session (30 min)

International Symposium: Mine Impact on One Health

1. Date: 15 Feb, 2022 (08:00-13:00 ZM, 15:00-20:00 JP)
2. Style: Online (Webex)
   Meeting No. 2510 129 4232, PW: KAMPAI
   Oral https://hokudai.webex.com/hokudai/j.php?MTID=m32541449a513ba69a84b76ca8395c402
   (Poster session https://il2r1f9t84.ovice.in/)

3. Time Schedule

Moderator: Dr. Kammpwe Muzandu (UNZA, Vet school)

ZM time JP time		activity	presenter
8:00-8:15 15:00-15:15	15min	Opening Director, UNZA (15min)	VC
8:15-8:45 15:15-15:45	30mnin	Overview for KAMPAI Project	Dr. Muzandu
8:45-9:45 15:45-16:45	Group 1 (presentation and discussion)		
	5 min	Outline of G1 activities in Zambia. Key lessons	Dr. Benson Chishala
	8 min	Strategies to Mitigate Pb pollution in soils, water and plants–Examples from Kabwe.	Dr. Ikabongo Mukumbuta
	8 Min	Biochar reduces bioavailability of Lead (Pb) in contaminated soils of Kabwe District of Zambia	Mr. Kabenuka Muntali
	8 min	Evaluation of the impacts of chicken manure and lemongrass on remediating a lead contaminated soil in Kabwe	Ms. Yui Yoshii
	8 Min	Heavy metal-containing slag in Kabwe affect inorganic N dynamics and soil bacterial community structure	Ms. Miyuki Oka
	5 min	Summary of G1 activities and future prospects	Dr. Yoshitaka Uchida
	15 min	Overall Q&A and closing	Dr. Yoshitaka Uchida
9:45-9:55 16:45-16:55	10min	Coffee Break	
9:55-11:05 16:55-18:05	Group 2 (presentation and discussion)		
	15-20min	The Impact of lead poisoning in Kabwe; a holistic approach and potential mitigation measures	Dr. John Yabe
	15-20min	Toxicity assessment of lead in Kabwe residents and its effect on maternal quality of life	Dr. Hokuto Nakata
	15-20min	Cost-Benefit Analysis of Remediation Measures for Lead Pollution in Kabwe	Dr. Peter Hangoma
	10min	Overall Q&A time	

11:05-11:15 18:05-18:15	10min	Coffee Break	
11:15-12:15 18:15-19:15	Group 3 (presentation and discussion)		
	20min	Outline of G3 (research topics + policy brief etc.)	Dr. Marthias Silwamba
	8min	Pb dust dispersion simulation	Dr/Mr Shinsaku Nakamura
	8min	Outline of pilot scale tests at UNZA	Mr. Walubita Mufalo
	8min	Bioaccessibility of potentially toxic elements from Kabwe mine wastes and surrounding topsoils	Mr. Walubita Mufalo
	6min	Efficient recovery of Pb and Zn from Zinc Plant Leach residues as means of detoxification	Dr. Marthias SILWAMBA
		Conclusion of G3 activity	Prof. Imasiku Nyambe
12:15-12:25 19:15-19:25	10min	Coffee Break	
12:25-12:55 19:25-19:55	30mnin	Poster session (online, virtual)	
12:55-13:00 18:55-20:00	5min	Closing Director (HU)	Dr. Mayumi Ishizuka

4. Poster Session

   Please access >>> https://il2r1f9t84.ovice.in/

No.	Title	Presenter
1	Lead Exposure and its Epi (Genetic) Effects on Children in Kabwe, Zambia	Yared Beyene Yohannes (HU)
2	Effects of environmentally relevant lead (Pb) levels on the locomotor behaviour and molecular subcellular responses in juvenile zebrafish (Danio rerio)	Andrew Kataba (UZ)
3	Evaluation of lead exposure in cow milk for risk assessment in Kabwe, Zambia	Golden Zyambo (UZ)
4	How land use patterns affect animal exposure to Pb in Kabwe?	Rio Doya (HU)
5	Determination of heavy metals and trace elements in organs of stray dogs from Kabwe, Zambia	Soe Nyein Chan (HU)
6	Evaluating the potential of cynodon dactylon AND Imperata cylindrica for phytoremediation in lead contaminated soils of Kabwe	Zungukanji Nachilongo (UZ)
7	The effects of biochar on chemical fractionation of lead and uptake by lemon grass in heavy metal polluted soils of KABWE	Rhodah Kabaso (UZ)
8	effects of chicken manure and chicken manure -derived biochar on the bioavailability and uptake of lead (PB) in two brassica vegetables	Moses Mulenga (UZ)

5. Co-sponsorship

- University: University of Zambia, Hokkaido University
- SATREPS KAMPAI project (JICA/JST) and aXis DRINK project (JST)

http://satreps-kampai.vetmed.hokudai.ac.jp/en/

- Other collaborative projects:
  - IVCMEP (Inter-Univ Exchange Program by MEXT)
  - WELCOME & ToRePs (AJ-CORE by JST)
  - ET-Core (Core-to-Core by JSPS)
  - Grant-in-Aid for Scientific Research: KAKENHI (MEXT)
  - Bilateral Open Partnership Joint Research Projects (JSPS)
  - The Japan Prize Foundation
  - IVEP (International Vet Exchange Program (IVEP) - Achieving Global Standards of Excellence in Veterinary Education)