Mining Occupational Safety and Health

The Scientific Committee (SC) Mining Occupational Safety and Health (MinOSH) provides a rich platform for theoretical and methodological approaches to enable research and advocacy. It encourages both the science of research and the art of communication for policy statements and advocates to promote occupational safety and health (OSH) in mining.

The thrust of MinOSH activities is directed to the multi-sectoral (including large, medium, and small scale industries) and multi-dimensional development of disciplines, such as mining, occupational health and safety, safety, health, industrial hygiene, social sciences, and engineering, among others, multi-level (both country-specific and international in terms), and multi-strategic research, advocacy, service work, and programs policy-oriented.

MinOSH also encourages networking and reaching out to various stakeholders to promote ideas and share knowledge and experiences about workers and workplaces and health and safety prevention worldwide. It covers a wide array of groups in both large and small scale mining, formal and informal sectors, as well as the most vulnerable groups such as small scale miners, women and children involved or affected by mining.

Historical Overview
MinOSH was established as a scientific committee in June 2021, at the ICOH congress in Seoul. Prior to that, MinOSH was a technical working group. The MinOSH Executive Committee was created in 2013 in Canay. It is one of the newest and second Sc Committee of the International Commission on Occupational Health which was founded in 1906.

MinOSH Objectives and Activities
Specifically, MinOSH’s main objectives are:

1. To promote occupational safety and health in mining globally and locally.
2. To produce scientific knowledge in mining and its risks and challenges.
3. To build a repository of resources for use as a guide for basic health services/ services.
4. To provide a rich forum for exchanges of ideas, research outputs and best practices in mining.
5. To positively influence policies and guidelines worldwide through advocacy at national and international levels, such as the United Nations, World Health Organization, and the International Labour Organization.
6. To promote collaboration among various international scientific organizations on mining.

MinOSH Activities include:

1. To disseminate information on mining OHS.
2. To provide support to countries in mining occupational health and safety (OHS) interventions and training.
3. To improve occupational health services in mining by sharing knowledge and best practices.
4. To publish articles on mining OHS.
5. To create a mining OHS training guide for basic health services.
6. To contribute scientifically to conferences, symposiums, sessions, among others.
7. To support efforts to reduce mercury exposure and its impact on humans, with special emphasis on vulnerable populations.
8. To provide information on artisanal gold mining and other materials and successful practical interventions for miners, children, communities, and health professionals.

Jinky Leilanie LU, MOH, PhD
National Institutes of Health, University of the Philippines Manila

AGENDA

1. Welcoming our new Execom Members and Board of Directors
2. ICOH 2022 highlights
3. Proposed Plans and Activities for 2022-2025
   3.1. Possible Third MINOSH Int’l Conference in Malaysia or in Kampala, Uganda
   3.2. Series of webinars- to be co-organized by each of the sub-committees
      3.2.1 Silica Exposure and TB
      3.2.2. Occupational Health Services for mining- large and small scale
      3.2.3. Repository for Mining Practices and Training
      3.2.4. Social Security in Mining
      3.2.5. Policy statements and advocacies in mining at the international level
      3.2.6. Other possible topics
AGENDA

3.3. Global survey on mining
3.4. Possible Sources of funds and international linkages of MINOSH
3.5. Proposed International Advocacies & Policy Statements
3.6. Proposed Working Groups- Open to all members
3.7. Updates on MINOSH

4. Other matters
AGENDA:

Welcoming our new Execom Members and Board of Directors
THE EXECUTIVE COMMITTEE

Triennium 2022 - 2025
Chair: JINKY LEILANIE LU
National Institutes of Health, University of the Philippines Manila

Secretary: MUCHTARUDDIN MANSYUR
Dept of Community Medicine, Universitas Indonesia

Vice Chair for Policy Statements and Global Advocacies:
MARILYN FINGERHUT, PHD
Consultant, NIOSH, Virginia, USA
Past Vice President for Scientific Committees, ICOH

Vice Chair for International Linkages and Finance:
ERIK JORS, MD, MIH, PHD
Clinic of Occupational Health and Safety, Odense University Hospital in Denmark
MINOSH SUB-COMMITTEES

1. OCCUPATIONAL HEALTH SERVICES FOR MINING

Chair: STEPHAN BOSE-O'REILLY, MD
Institute and Clinic for Occupational, Social and Environmental Medicine
University Hospital, LMU Munich

1.1. INFORMAL AND SMALL-SCALE MINING
Co-Chair: _____________________________

1.2 LARGE SCALE MINING
Co-Chair: CAS BADENHORST
Prof. Occupational Health and Hygiene, Anglo American plc
Johannesburg, South Africa
MINOSH SUB-COMMITTEES

2. REPOSITORY FOR MINING PRACTICES AND TRAINING
Chair: PRAHLAD SISHODIYA
    India
Co-Chair: JANVIER GASANA
    Middle East/ Africa

3. SILICA DUST EXPOSURE AND TB
Chair: MARILYN FINGERHUT, PHD
    Consultant, NIOSH, USA, Virginia, USA
Co-Chair: PERRY GOTTESFELD
    Executive Director, OK International, San Francisco, CA, USA
MINOSH SUB-COMMITTEES

4. CONFERENCES AND PUBLICATIONS

Chair: LIEM JEN FUK, MD
Dr, Universitas Indonesia

Co-Chair: _______________
BOARD OF DIRECTORS

Florence Hariri

Sweden

Others
AGENDA:

ICOH 2022 highlights
MiNOSH Conferences

33rd International Congress on Occupational Health

Date: February 6-10, 2022
Place: Melbourne, Rome

https://icoh2022.net/
SS 12 Mining occupational safety and health

Erik Jors
Denmark
ABSTRACT NO. 1
Title: ZIMGOBIO - Biomonitoring and Health Data from two ASGM areas in Zimbabwe
Authors: Stefan Rakete, Stephan Bose-O’Reillly
ABSTRACT NO. 2
Title: Reducing disease and death from Artisanal and Small-scale Mining (ASM) – Collegium Ramazzini
Statement
Authors: Stephan Bose-O'Reilly, Philip Landrigan, Johanna Elbel, Gunnar Nordberg, Roberto Lucchini, Casey Bartrem, Philippe Grandjean, Donna Mergler, Dingani Moyo, Benoit Nemery, Margrit von Braun, Dennis Nowak, and the Collegium Ramazzini
ABSTRACT NO. 4
Title: Business Continuity amidst COVID-19 Pandemic, Experience on Mining Sector in Indonesia
Authors: Muchtaruddin Mansyur, Marsen Isbayuputra, Dewi Yunia Fitriani, Fitriani Sukir
ABSTRACT NO. 3
Title: Tuberculosis and silicosis burden in artisanal and small-scale gold miners in a large occupational health outreach programme in Zimbabwe.
Authors: Dr. Dingani Moyo
ABSTRACT NO. 5
Reaching industry milestones on noise induced hearing loss in the South African Mining Industry
Author: Dr Thuthula Balfour, Head of Health, Minerals Council South Africa
ICOH 2022- Silica Exposure and TB

1. Semi-Plenary presentation- by Perry

1. Special Session on TB- with other SCs
33rd International Congress on Occupational Health

Date: February 6-10, 2022
Place: Melbourne, Rome

https://icoh2022.net/

33rd INTERNATIONAL CONGRESS ON OCCUPATIONAL HEALTH

Sharing solutions in occupational health through and beyond the pandemic
Melbourne – Rome global digital congress, 6–10 February 2022
AGENDA:

Possible Third MINOSH Int’l Conference in Malaysia or in Kampala, Uganda
3.1 Possible 3rd MinOSH International Conference

- In Malaysia or Kampala, Uganda
- Other countries with their National Conference on OSH, or related conference

Past conferences

- 6-8 October 2019 The 2nd International Conference on Mining Occupational Safety and Health - International Commission on Occupational Health (MinOSH-ICOH), and The 13th Indonesian Occupational Medicine Update (IOMU), Bali, Indonesia
- September 2019 VISION ZERO Mining Prevention Conference, Sun City, South Africa
- 3-7 March 2019 3rd International Occupational Environmental Diseases Congress, Antalya, Turkey
- 21-23 September 2018 12th Indonesian Occupational Medicine Updates (IOMU), Yogyakarta, Indonesia: Webpage
- 10-12 September 2018 5th International Conference on Occupational and Environmental Health (ICOEH5), Hanoi, Vietnam: Webpage
- 29 April - 4 May 2018 32nd ICOH Conference 2018, Dublin, Ireland: Webpage
- 22-25 August 2017 MinOSH Conference. Odense, Denmark: Flyer / Read more
- 21-23 September 2016 JASH Conference. Kampala, Uganda: Visit report by Erik Jørs
- 4-7 September 2016 EPICOH Conference. Barcelona, Spain: Webpage
First Conference: MinOSH CONFERENCE 2017

Date: August 22-25, 2017
Place: Odense, Denmark

Program and Abstract book
MinOSH International Conference (Odense, Denmark)
Second Conference: MinOSH INT’L CONFERENCE 2019

Date: October 6-9, 2019
Place: Bali, Indonesia
AGENDA:

SERIES OF WEBINARS- 2022-2025
2-3 WEBINARS PER YEAR
MiNOSH Webinars

ICOH MinOSH Webinar 1: THE SILICA-TUBERCULOSIS LINK: UPDATING THE RELATIONSHIP AND PREVENTION PRACTICES
Date: April 15, 2021
Registrants: 500+

Youtube link of recorded webinar - https://www.youtube.com/watch?v=N6Tb4_1N87o
MiNOSH Webinars

ICOH MinOSH Webinar 2: HEALTH & SAFETY in SMALL SCALE GOLD MINING: LINKING DATA-DRIVEN RESEARCH TO POLICY DIRECTIONS IN PREVENTING MERCURY POISONING

Date: August 25, 2021
Time: 2:00 pm CET
Registrants: 431

Youtube link of recorded webinar- https://youtu.be/OSA4fgHd29A
3.2 Series of webinars

ICOH-MinOSH Webinar “The Silica-Tuberculosis Link: Updating the Relationship & Prevention Practices”
https://www.youtube.com/watch?v=nNCvRPHoCjQ&t=3s

ICOH-MinOSH Webinar “HEALTH & SAFETY IN SMALL SCALE GOLD MINING: Linking Data-Driven Research to Policy Directions In Preventing Mercury Poisoning”
https://youtu.be/OSA4fgHd29A

ICOH – MinOSH Youtube Channel
https://www.youtube.com/channel/UCxV1pFrR_rVYP0sxF3OYFwA
3.2 Series of webinars

3.2.1 Silica Exposure and TB
3.2 Series of webinars

3.2.2 Occupational Health Services or mining - large and small scale
3.2 Series of webinars

3.2.3 Repository for Mining Practices and Training
3.2 Series of webinars

3.2.5 Policies and Advocacies in Mining at the International Level
3.2 Series of webinars

3.2.4 Social Security in Mining
3.2 Series of webinars

3.2.6 Other Possible Topics
Multi Country Research

- Maybe survey in mining?
- Core group created
- Implementation in volunteer countries led by MinOSH
- Research in different countries in:
  - Europe
  - North America
  - South America
  - Asia
  - Africa
  - Australia
3.4 Possible Sources of funds and international linkages of MINOSH

Erik Jors
3.5 Proposed International Advocacies & Policy Statements- by Marilyn

1. Collaboration with IOHA
2. Japan Symposium
3. Collaboration with ICOH SC Communication and Education- Frank
4. Collaboration with Australian colleagues
5. NIOSH IH quick assessment tools e.g. Emmanuel Caude
6. Others
3.5 Proposed International Advocacies & Policy Statements- by Marilyn

2. Japan Symposium

- JAPAN VISION ZERO SUMMIT
- Date: May 11-13, 2022
- Website:

List of International Organizers

List of Japanese Organizers
Come up with policy statements in journals, or letters to international institutions (UN, WHO)

3.2.1 Silica Exposure and TB


2. Perry and Marilyn prepared a letter for Dr. Takala in response to a World Bank Report issued in May entitled “2020 State of the Artisanal and Small-Scale Mining Sector Report”
Be active in Policy Statements related to Mining to International Bodies
Both at large and small scale

3.6 Proposed Working Groups- Open to all members-

1. Working Group on Hearing Loss in Mining
2. Gas, Oil and related Mining
3. Social Security in Mining
4. Others
3.7 Updating of Website

Each subcommittee will have a dedicated section:
- Planned activities
- Publicity
- Related endeavors
“Mercury and health in small scale gold mining community”
Authors: Teaching materials / toxicology course developed by Diálogos and partners
Intended audience: SC MinOSh member
Publication vehicle: Course in mercury toxicology for UNAECU Uganda 2020
Download

“United to End Tuberculosis: An Urgent Global Response to a Global Epidemic”
Authors: United Nations
Type of document: UN TB Declaration
Intended audience: General public
Collaborators: ICOH (SC MinOSh and SC OH), IOHA, and others
Publication vehicle: United Nations website

“Hot off the press - the report on the ICOH 2018 Congress”
Authors: Claudia Nogueira
South African Society of Occupational Medicine (SASOM)
South African Institute for Occupational Hygiene (SAIOH)
South African Society of Occupational Health Nursing Practitioners (SASOHN)
Public Health Professionals Association (MMPA)
Type of document: Journal article
Intended audience: General public
Publication vehicle: Occupational Health Southern Africa (OHSA): Journal

“International Commission on Occupational Health Scientific Committee on Mining Occupational Health and Safety”
Authors: Erik Jars
Type of document: Presentation (in Astana, Kazakhstan)
Intended audience: General public

“Preventing tuberculosis among high-risk workers”
Authors: Perry Gottfeldt
Type of document: Journal article
Intended audience: General public
Publication vehicle: The Lancet Journal

“Preventing tuberculosis among silica dust exposed workers International Commission on Occupational Health (ICOH)”
Authors: Perry Gottfeldt
Type of document: Journal article
Intended audience: General public
Publication vehicle: OMEJ Annual

“International silica standards: Countries must update exposure limits”
Authors: Perry Gottfeldt
Type of document: News article
Intended audience: General public
Publication vehicle: International Safety and Hygiene News

“A case study on artisanal mining in DR Congo”
Authors: Ben Nkemiy and Celestín Baraka Lubaba Nkulu (MinOSh member)
Type of document: Journal Article
Intended audience: General public
Publication vehicle: Nature Sustainability Journal

“MinOSH Mining Paper”
It is our great pleasure to inform that the Paper on Safety and Health in Mining developed and reviewed by several SC MinOSh members under the leadership of Kaj Ellingrander is now published in 3 parts in the Occupational Health Southern Africa Journal: Part 1 in the May/June 2017 issue, Part 2 in the July/August 2017 issue and Part 3 in the September/October 2017 issue.
To access the electronic version of the first part of the Mining Paper, please click here

Overview of the Mining Paper - Part 1
Download the Paper - Part 2
Download the Paper - Part 3

“Article about the MinOSH Conference in OHSA”
ICOH calls for a strong global effort to promote occupational safety and health strategies to prevent TB in high-risk worker populations

2018-11-25

Despite decades of global efforts to end tuberculosis (TB), it is still 9th in the top ten causes of death globally, with 10.4 million new cases occurring in 2016, primarily in developing nations. The ICOH effort seeks to bring governments, decision makers, and global health funders on board to recognize that health workers and workers exposed to silica dust are at significantly increased risk for TB, and to commit to implementing comprehensive workplace preventive strategies that will reduce the risk.

The ICOH Board approved the ICOH TB Statements in April 2018, and they have been endorsed by currently 69 organizations. The statements, the endorsers, and links to the stories about the ICOH TB efforts are all located at http://www.icohweb.org/site/ICOH-TB-Statements.asp

On September 26, 2018, World Leaders endorsed the UN Political Declaration on TB “United to End Tuberculosis: An Urgent Global Response to a Global Epidemic”.

Thanks to an intense year of effort by ICOH, IOHA and other partners, our suggested language related to highly vulnerable workers is successfully included in this endorsed Declaration. Click on UN Political Declaration and see Paragraph 17, which identifies “health care workers, miners and others exposed to silica” as high-risk vulnerable groups. Also see Paragraph 31, which says, “Commit to... implementing primary prevention in high-risk occupations by reducing silica dust exposures in mining, construction and other dusty workplaces, and worker tuberculosis surveillance and infection prevention and control in healthcare settings”.

The third and last part of the MinOSH Mining Paper is now published!

2017-10-22

MinOSH Newsletter August 2017

2017-08-09

The MinOSH Newsletter Nr.2 is now available. Read what our scientific committee is doing!

Click here MinOSH Newsletter August 2017

Mining Scientific Conference and Workshop in Odense: 2 weeks to go!

2017-08-09

It is only 2 weeks left before our International Scientific Conference and Workshop on Occupational Health and Safety in Formal and Informal Mining starts! We are very thankful with all of you who submitted excellent abstracts and to all keynote speakers who will be doing a fantastic contribution to the conference and workshop.

We will have about 120 delegates representing, among others, academia, occupational and environmental health clinics, mining companies and national and international authorities. And about half of them will be coming from different low- and middle-income countries worldwide, which we are very pleased about.

Also, the conference book is now available. Click here to read it.
Events

MinOSH members participate in different congresses, symposia and workshops representing the SC MinOSH in order to develop their knowledge and sustainable best practices.

Go to Events

Mining Occupational Safety and Health

The Scientific Committee (SC) Mining Occupational Safety and Health (MinOSH) provides a rich platform for theoretical and methodological approaches in mining research and advocacy. It encourages both the science of research and the art of communications for policy statements and advocates in order to promote occupational safety and health (OSH) in mining.

The thrust of MinOSH activities is aimed to be multi-sectoral (involving large, medium and small scale industries, and their workers), multi-disciplinary (involving all disciplines such as medicine, occupational health and safety, allied health, industrial...
AGENDA:

Other Matters
About MINOSH

- provides a rich platform for theoretical and methodological approaches in mining research and advocacies
- encourages both the science of research and the art of communications for policy statements and advocacies in order to promote occupational safety and health (OSH) in mining.

HISTORICAL OVERVIEW

- MinOSH was established as a scientific committee in June 2015, at the ICOH congress in Seoul. Prior to that, MinOSH was a technical working group.
- The MinOSH Executive Committee was created in 2012 in Cancun.
- It is one of the newest and youngest Scientific Committees of the International Commission on Occupational Health which was founded in 1906.
AIMS of Activities

**Multi-sectoral**
- Large, middle and small scale industries
- Workers

**Multi-disciplinary**
- Medicine
- Occupational health and safety
- Allied health
- Industrial hygiene
- Social scientists engineering

**Multi-level**
- Country-specific
- International in nature

**Multi-strategic**
- Research
- Advocacy
- Extension work
- Program/policy oriented
MinOSH OBJECTIVES

1. To promote occupational safety and health in mining globally and locally.
2. To produce scientific knowledge on mining, and its risks and challenges.
3. To build a repository of resources for use as guide for basic health services in mining.
4. To provide a rich forum for exchanges of ideas, research outputs and best practices in mining.
5. To positively influence policies on mining worldwide through advocacies at international bodies such as the United Nations, World Health Organization, and the International Labor Organization.
6. To promote collaboration among various international scientific organizations on mining.
MinOSH ACTIVITIES

1. To disseminate information concerning mining OHS.
2. To provide support to members on mining occupational health and safety (OHS) interventions and trainings.
3. To improve occupational health services in mining by sharing knowledge and best practices.
4. To publish articles on mining OHS.
5. To create a Mining OHS toolkit as guide for basic health services.
6. To contribute scientifically to conferences, symposiums, seminars, among others.
7. To support efforts to reduce mercury exposure and its impact on humans, with special emphasis on vulnerable populations.
8. To provide information on artisanal gold mining and other materials and successful practical interventions for miners, children, communities, and health professionals.
Creation of Board of Directors of MinOSH

Possible Board of Directors

• Previous Chair
• Previous Secretaries
• Possible invitees of Experts
Publication venue in Acta Medica Philippina

- 2 future issues on OSH in general, and Mining in particular;
- Contributors is open to all MINOSH members;
- Acta Medica Philippina is Scopus-Indexed and peer-reviewed journal
CONTACT US
Others