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MESSAGE FROM
THE CONGRESS PRESIDENTS

It has been a honour for me to be one of the Co-Presidents of the ICOH 2022 digital Congress. Notwithstanding the difficult times, the original Melbourne Organizing Committee and the ICOH Officers and Secretariat worked together to organize the Melbourne-Rome Global Digital Congress. Thanks to the contributions of ICOH scientific committees (SCs), working groups (WGs) and individual members the ICOH 2022 Congress was held in a new, extraordinary, digital format. The result was a big success in terms of participation, scientific content, interaction and exchange opportunities: over 1400 attendees from 98 countries and more than 115 hours of live streaming and pre-recorded scientific sessions, for a total of 403 oral presentations, in addition to 581 e-posters!

The Congress was run through a visually rich digital platform, recreating the environment of an in-presence congress. The interactive platform accommodated all sessions and main events that are included in the traditional ICOH congress format, with spaces for networking and engagement opportunities.

It was very rewarding to see how this digital edition of the ICOH Congress preserved the flavour of the traditional ICOH triennial congresses. We have learnt a lot from this extraordinary experience, but for the future, we plan to meet on-site again. We look forward to seeing you all in Marrakesh, Morocco, at the ICOH 2024 Congress.

On behalf of the Melbourne organising team, I would like to express our appreciation to all organisers, speakers and delegates who helped to make the 2022 digital ICOH Congress such a great success. While it was disappointing not to be able to welcome everyone to Melbourne due to the COVID-19 pandemic, the digital format allowed greater access to the Congress, especially for those from low and middle income countries.

The Congress got off to a great start with the opening keynote by Prof Sir Michael Marmot, who highlighted workplace health inequities. The Policy Forum addressing how to better prepare for future pandemics was another highlight.

I would like to pay special tribute to Claudina Nogueira, Diana Gagliardi and Deborah Glass for organising such a successful Congress despite the COVID-19 challenges. Our thanks also to the Congress sponsors, in particular the Gold Sponsor; WorkSafe Victoria.

I look forward to catching up with friends and colleagues in Marrakesh in 2024.

It is my great pleasure to thank the ICOH 2022 Melbourne-Rome digital congress organisers, participants and all involved in this outstanding congress. The ICOH 2022 Congress was well managed first time ever in digital format.

I was privileged to witness Dr. Diana Gagliardi and her team to manage the Congress indeed professionally, hour by hour, day by day - and at night.

All of us in the ICOH family were honoured to have the presence of the two top global leaders, Mr. Guy Ryder of the ILO and Dr. Tedros Ghebreyesus of the WHO in the Opening Ceremonies, in addition to all of our valued ICOH Sister Institutions.

The ICOH took a major step forward. We will have a bulk of great memories, in depth pieces of information, pictures and electronic documentation to keep in our minds and read from our devices.

See you all in ICOH 2024 Marrakesh!
1. CONGRESS OVERVIEW

1.1 Introduction to the ICOH 2022 Congress

ICOH 2022 - the Melbourne-Rome Global Digital Congress of the International Commission on Occupational Health (ICOH) - themed ‘Sharing solutions in occupational health through and beyond the pandemic’, was held in a fully digital format, from 6 to 10 February 2022. Initially planned to be held onsite in Melbourne, Australia in March 2021, and then postponed for one year, the Congress was eventually transitioned into a digital format during the second half of 2021, due to the ongoing global COVID-19 pandemic. ICOH is grateful to its Scientific Committees (SCs), Working Groups (WGs) and members for their valuable contributions and ongoing commitment and dedication to occupational health, to ensure the sustainability and continuity of the ICOH Congress in trying times. The Congress organizers (ICOH, supported by the Australian Organizing Committee members and Monash University, and working in close collaboration with the professional congress organizer, Triumph Italy Srl) endeavored to preserve the flavor of the traditional ICOH triennial congresses, while addressing the space, time and cost constraints related to the transition to a fully digital format within a short timeframe of a few months.

The Congress was run through a visually rich digital platform, recreating the environment of an in-presence congress. The platform accommodated all sessions and main events that are included in the traditional ICOH congress format, for which the ICOH SCs and WGs are the main contributors. The digital format ensured wider accessibility, giving the global occupational safety and health (OSH) community ample opportunity to attend; this novel approach was particularly beneficial for participants from low- and middle-income countries (LMICs). Participants had ‘24/7’ on-demand access to all sessions and content via the Congress digital platform, which offered a high-level experience in terms of scientific content and interaction, with networking and engagement opportunities. Live broadcasting was organized for plenary sessions and the Global Policy Forum on two stages (‘Rome stage’ and ‘Melbourne stage’), taking into account different time zones. Semi-plenary sessions provided the opportunity for a live discussion at the end of each session, while special sessions, and oral free paper and interactive e-poster sessions were available on-demand at any time during the Congress and until 3 March 2022. The recordings of all sessions were available to registered congress participants on a different on-demand platform for four additional months, until 30 June 2022, 23:59 CET (affording participants the opportunity to watch all the sessions at their leisure and convenience).

During the extended past triennium (four years instead of three, due to the impact of the pandemic), the SCs and WGs contributed extensively and enthusiastically to the development of the scientific content of the Congress in various ways, e.g. by recommending plenary and semi-plenary speakers, sourcing presenters, organizing special sessions, and providing reviewers for the abstracts submitted to free paper session topics as oral or e-poster presentations. The Congress organizers endeavored to grant at least one special session to all SCs and WGs that submitted proposals, and preference was given to special sessions organized collaboratively by more than one SC and/or WG and/or other entity.

A handful of special sessions was organized and presented by external (non-ICOH) organizations, in some cases in collaboration with ICOH SCs, e.g. Asian Ban Asbestos Network (ABAN); Child Labour in Agriculture, Food and Agriculture Organization of the United Nations (FAO); European Union of Medical Specialists (UEMS); International Consortium on Occupational Health and Safety in Fishing, Aquaculture and Seafood Processing; International Occupational Medicine Society Collaborative (IOMSC); Nordic Future of Work and OSH Group; Partnership for European Research on Occupational Safety and Health (PEROSH); Workplace Health Without Borders (WHWB - International); and the World Health Organization (WHO).

1.2 Fast facts on the ICOH 2022 Congress

- 1454 participants (615 ICOH members, 839 ICOH non-members)
- 98 countries from six continents represented (Table 1)

### Table 1.
Geographical distribution of ICOH 2022 Congress participants

<table>
<thead>
<tr>
<th>Continent</th>
<th>No. registered participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>134</td>
</tr>
<tr>
<td>Asia</td>
<td>450</td>
</tr>
<tr>
<td>Europe</td>
<td>485</td>
</tr>
<tr>
<td>North America</td>
<td>84</td>
</tr>
<tr>
<td>Oceania</td>
<td>71</td>
</tr>
<tr>
<td>South America</td>
<td>105</td>
</tr>
<tr>
<td>Not specified</td>
<td>125</td>
</tr>
</tbody>
</table>
• Registration fee waivers granted to 107 presenters (ICOH members in good standing) from LMICs
• One opening keynote address
• 11 plenary presentations
• 23 semi-plenary presentations
• Global Policy Forum – Work as a key dimension of the COVID-19 pandemic: Sharing experiences and solutions in occupational health - prediction, prevention and preparedness for emergencies at work with special reference to the risk of pandemics’
• 56 special sessions (reduced from an initial 85) with 223 presentations
• 146 oral presentations and 581 e-posters across 38 free paper session topics (Table 2 shows the ten most popular topics) - the topics corresponded to the names of the 37 SCs, plus an extra topic, viz. ‘Occupational Health and COVID-19’

Table 2. Ten most popular free paper session topics

<table>
<thead>
<tr>
<th>Topic</th>
<th>No. accepted abstracts*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Occupational Health and COVID-19 (three oral sessions)</td>
<td>146</td>
</tr>
<tr>
<td>Occupational Health for Health Workers (two oral sessions)</td>
<td>66</td>
</tr>
<tr>
<td>Epidemiology in Occupational Health (two oral sessions)</td>
<td>62</td>
</tr>
<tr>
<td>Musculoskeletal Disorders (two oral sessions)</td>
<td>61</td>
</tr>
<tr>
<td>Work Organisation and Psychosocial Factors (two oral sessions)</td>
<td>60</td>
</tr>
<tr>
<td>Occupational Medicine</td>
<td>47</td>
</tr>
<tr>
<td>Education and Training in Occupational Health</td>
<td>38</td>
</tr>
<tr>
<td>Work Disability Prevention and Integration</td>
<td>33</td>
</tr>
<tr>
<td>Occupational Health and Development</td>
<td>30</td>
</tr>
<tr>
<td>Effectiveness in Occupational Health Services</td>
<td>27</td>
</tr>
<tr>
<td>Total</td>
<td>570</td>
</tr>
</tbody>
</table>

*oral and e-poster

• An active programme focused on early- and mid-career delegates, viz. 54 e-posters submitted to the student poster competition – three winners and five runners-up (Table 3).

Table 3. Winners of the student poster competition

<table>
<thead>
<tr>
<th>Prize, name, country</th>
<th>Title of poster</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Vijay Prince, India (Pic. 1)</td>
<td>Assessing intrinsic exposures to toxic heavy metals in a cohort of adult women in an urban metropolitan city in India</td>
</tr>
<tr>
<td>Second Karina Undem, Norway</td>
<td>Gender differences in the impact of work exposures on age of withdrawal from paid employment among older workers</td>
</tr>
<tr>
<td>Third David Fauser, Germany (Pic. 2)</td>
<td>Single-item work ability score as a predictor of rehabilitation and disability pensions: A German longitudinal study among employees with back pain</td>
</tr>
<tr>
<td>Runner-up Achmad Ilham Tohari, et al., Indonesia</td>
<td>The correlation between occupational pesticide exposure with the incidence of COPD and chronic bronchitis: A systematic review and meta-analysis</td>
</tr>
<tr>
<td>Runner-up Yu-Yu Lin, et al., Chinese Taipei</td>
<td>Low-dose radiation exposure and risk of pancreatic cancer among workers at nuclear power plants: A meta-analysis</td>
</tr>
<tr>
<td>Runner-up Evida Poopedi, et al., South Africa</td>
<td>Potential occupational exposure to respiratory and gastrointestinal bacterial pathogens at wastewater treatment plants, South Africa</td>
</tr>
<tr>
<td>Runner-up Muhammad Yuda Nugraha, et al., Indonesia</td>
<td>Neonate mortality rate and differences in characteristics of birth in rural and urban regions of an agricultural area, Jember, Indonesia</td>
</tr>
<tr>
<td>Runner-up Merve Demirci Atik, et al., Turkey</td>
<td>Which jobs are lucky against the ‘biologic’ and ‘economic’ risks caused by the COVID-19 pandemic?</td>
</tr>
</tbody>
</table>
19 applications were received for the ILO Master Fellowship - two winners:
- Sunisa Chaiklieng (Thailand) (*Pic. 3*)
- José Luis Calderón-Mafud (Mexico)

The scrutineers committee met online on 9 February to evaluate the candidates proposals for the ILO Master Fellowship Award.
• Best poster as voted for by the Congress participants:
  - Amar Kapadia et al. (India): Before and after study to reduce chemical exposure and noise level exposure through CASHE (Change Agents for Safety, Health & Environment) programme at a large-scale petrochemical industry
• 115+ hours of scientific content (403 presentations across all sessions)
• ICOH 2022 was accredited by the European Accreditation Council for Continuing Medical Education (EACCME®)
  - 12 European CME credits
• Accepted abstracts were published as open access ICOH 2022 Congress Proceedings in an online supplement of Safety and Health at Work, SH@W (Safety and Health at Work 2022; 13:S1-S345), one of the key international journals in its field and part of the Elsevier Group (https://www.sciencedirect.com/journal/safety-and-health-at-work/vol/13/suppl/S and https://www.sciencedirect.com/journal/safety-and-health-at-work/vol/13/suppl/S1)
• Congress proceedings will be published in the ICOH Heritage Repository, a large digital archive of all the congress proceedings of the 33 ICOH Congresses, starting from the ICOH foundation in 1906 to the present time
• ICOH 2022 Congress sponsors:
  - WorkSafe Victoria (Gold Sponsor)
  - Safe Work Australia
  - Japan Society for Occupational Health
• ICOH 2022 Congress exhibitors:
  - ICOH 2027 venue bid committees – Medellin (Colombia), Mumbai (India) and Barcelona (Spain)
• Global partnership for the ICOH 2022 Congress:
  - ICOH
  - INAIL – The National Institute for Insurance against Accidents at Work (Istituto nazionale per l’assicurazione contro gli infortuni sul lavoro, Italy)
  - Monash University, School of Public Health and Preventive Medicine (Melbourne, Australia)
  - Gachon University, Republic of Korea

1.3 Abstract topics

A total of 727 abstracts were accepted for an oral or poster presentation. Free papers covered the topics aligned with the ICOH Scientific Committee themes of:

<table>
<thead>
<tr>
<th>Accident Prevention</th>
<th>Nanomaterial Workers’ Health</th>
<th>Respiratory Disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aging and Work</td>
<td>Neurotoxicology and Psychophysics</td>
<td>Rural Health: Agriculture, Pesticides and Organic Dusts</td>
</tr>
<tr>
<td>Allergy and Immunotoxicology</td>
<td>Occupational and Environmental Dermatoses</td>
<td>Shiftwork and Working Time</td>
</tr>
<tr>
<td>Cardiology in Occupational Health</td>
<td>Occupational Health and COVID-19</td>
<td>Small-Scale Enterprises and the Informal Sector</td>
</tr>
<tr>
<td>Education and Training in Occupational Health</td>
<td>Occupational Health Nursing</td>
<td>Thermal Factors</td>
</tr>
<tr>
<td>Effectiveness in Occupational Health Services</td>
<td>Occupational Medicine</td>
<td>Toxicology of Metals</td>
</tr>
<tr>
<td>Emergency Preparedness and Response in Occupational Health</td>
<td>Occupational Toxicology</td>
<td>Unemployment, Job Insecurity and Health</td>
</tr>
<tr>
<td>Epidemiology in Occupational Health</td>
<td>Occupational Health and Development</td>
<td>Vibration and Noise</td>
</tr>
<tr>
<td>History of Prevention of Occupational and Environmental Diseases</td>
<td>Occupational Health for Work</td>
<td>Women Health and Work</td>
</tr>
<tr>
<td>Indoor Air Quality and Health</td>
<td>Occupational Health in the Chemical Industry</td>
<td>Work and Vision</td>
</tr>
<tr>
<td>Industrial Hygiene</td>
<td>Occupational Health in the Construction Industry</td>
<td>Work Disability Prevention and Integration</td>
</tr>
<tr>
<td>Mining Occupational Safety and Health</td>
<td>Radiation and Work</td>
<td>Work Organisation and</td>
</tr>
<tr>
<td>Musculoskeletal Disorders</td>
<td>Reproductive Hazards in the Workplace</td>
<td>Psychosocial Factors</td>
</tr>
</tbody>
</table>

Accident Prevention
Aging and Work
Allergy and Immunotoxicology
Cardiology in Occupational Health
Education and Training in Occupational Health
Effectiveness in Occupational Health Services
Emergency Preparedness and Response in Occupational Health
Epidemiology in Occupational Health
History of Prevention of Occupational and Environmental Diseases
Indoor Air Quality and Health
Industrial Hygiene
Mining Occupational Safety and Health
Musculoskeletal Disorders

Nanomaterial Workers’ Health
Neurotoxicology and Psychophysics
Occupational and Environmental Dermatoses
Occupational Health and COVID-19
Occupational Health Nursing
Occupational Medicine
Occupational Toxicology
Occupational Health and Development
Occupational Health for Work
Occupational Health in the Chemical Industry
Occupational Health in the Construction Industry
Radiation and Work
Reproductive Hazards in the Workplace

Respiratory Disorders
Rural Health: Agriculture, Pesticides and Organic Dusts
Shiftwork and Working Time
Small-Scale Enterprises and the Informal Sector
Thermal Factors
Toxicology of Metals
Unemployment, Job Insecurity and Health
Vibration and Noise
Women Health and Work
Work and Vision
Work Disability Prevention and Integration
Work Organisation and Psychosocial Factors
2. REGISTRATION

2.1 Key dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration open and early bird offer</td>
<td>15 June 2021</td>
</tr>
<tr>
<td>Abstract submission close</td>
<td>31 August 2021</td>
</tr>
<tr>
<td>NEW DEADLINE: 30 SEPTEMBER 2021</td>
<td></td>
</tr>
<tr>
<td>Deadline for accepted presenter to confirm participation</td>
<td>9 November 2021</td>
</tr>
<tr>
<td>NEW DEADLINE: 14 NOVEMBER 2021</td>
<td></td>
</tr>
<tr>
<td>Call for abstracts open</td>
<td>15 June 2021</td>
</tr>
<tr>
<td>Notification of abstract acceptance</td>
<td>by 5 November 2021</td>
</tr>
<tr>
<td>Standard registration fees on offer</td>
<td>15 November 2021</td>
</tr>
</tbody>
</table>

2.2 Registration fee

**EARLY BIRD REGISTRATION FEES 15 JUNE 2021 – 14 NOVEMBER 2021**
- ICOH Member: EUR 250
- ICOH Non Member: EUR 330
- ICOH Student: EUR 100
- ICOH Non Member Student: EUR 150
- ICOH Member low and middle income country: EUR 130
- ICOH Non Member low and middle income country: EUR 180
- ICOH Member Student low and middle income country: EUR 90
- ICOH Non Member Student low and middle income country: EUR 80

**STANDARD REGISTRATION FEES 15 NOVEMBER 2021 – 10 FEBRUARY 2022**
- ICOH Member: EUR 310
- ICOH Non Member: EUR 390
- ICOH Student: EUR 145
- ICOH Non Member Student: EUR 210
- ICOH Member low and middle income country: EUR 180
- ICOH Non Member low and middle income country: EUR 235
- ICOH Member Student low and middle income country: EUR 75
- ICOH Non Member Student low and middle income country: EUR 115

2.3 Registration fee inclusions

- Access to all sessions and events (live streaming, pre-recorded, and on-demand contents) during 6-10 February 2022;
- On-demand access to all recorded sessions for one month after the Congress;
- Access to all the scientific content for four months after the Congress closing;
- Access to live chats with other delegates;
- Access to the digital exhibition area;
- Personalized digital Congress bag;
- Publication of all accepted abstracts in an online supplement of Safety and Health at Work (SH@W);
- Opportunity to participate in the Best Poster Competition;
- Certificate of attendance.

The Congress has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 12 European CME credits (ECMEC®s).
2.4 Registration report

1454 participants

- 58% ICOH member
- 42% ICOH non-member

GENDER

- Female: 48%
- Male: 52%
3. PROGRAM

The times in the Program are set on Central European Time (CET)

<table>
<thead>
<tr>
<th>TIME</th>
<th>SUNDAY 6</th>
<th>MONDAY 7</th>
<th>TUESDAY 8</th>
<th>WEDNESDAY 9</th>
<th>THURSDAY 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:00-07:00</td>
<td>PLENARY 1</td>
<td>PLENARY 5</td>
<td>PLENARY 7</td>
<td>PLENARY 11</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lin Fritschi</td>
<td>Hanifa Denny</td>
<td>Paul Blanc</td>
<td>Alistair Woodward</td>
<td></td>
</tr>
<tr>
<td>07:00-08:00</td>
<td>PLENARY 2</td>
<td>SEMI-PLENARY 10</td>
<td>PLENARY 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Doo Yong Park</td>
<td>(07:15-08:00)</td>
<td>Franklin Muchiri</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08:15-09:00</td>
<td>SEMI-PLENARIES 3-4</td>
<td>SEMI-PLENARIES 11-12</td>
<td>SEMI-PLENARIES 17-18</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ryan Hoy &amp; Jeong-ok Kong</td>
<td>Peter Legget &amp; Rajen N. Naidoo</td>
<td>Akizumi Tsutsumi &amp; Orrapan Untimanon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:15-10:00</td>
<td>SEMI-PLENARIES 1-2</td>
<td>SEMI-PLENARIES 13-14</td>
<td>SEMI-PLENARIES 19-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sharon K. Parker &amp; Rima R. Habib</td>
<td>Nina Rubtsova &amp; Shrinivas Shanbhag</td>
<td>Ari Väänänen &amp; Sun Xin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10:45-12:45 OPENING CEREMONY & KEYNOTE SESSION Sir Michael Marmot live

13:00-14:00 1st GENERAL ASSEMBLY live

14:00-15:00 PLENARY 3 Karen Nieuwenhuijsen

15:00-16:00 PLENARY 4 Margaret Kitt

16:15-17:00 SEMI-PLENARIES 5-6 Irene Houtman & Ivan Ivanov

17:15-18:00 SEMI-PLENARIES 7-8 Lisa M. Brosseau & Adolfo Hernández

GLOBAL POLICY FORUM live

PLENARY 9 Frank Pega

CLOSING CEREMONY live (13:00-14:30)

2nd GENERAL ASSEMBLY live (15:00-16:30)

SPECIAL SESSIONS

ORAL COMMUNICATIONS

INTERACTIVE E-POSTERS

ON-DEMAND
3.1 ICOH 2022 Congress Opening Ceremony

The Opening Ceremony was held on Sunday 6 February 2022 as a live-streamed event. Welcome messages were delivered by the three congress co-presidents – Dr. Jukka Takala (ICOH President), Prof. Sergio Iavicoli (ICOH Secretary General), and Prof. Malcolm Sim (Monash University, Australia). Congratulatory addresses were delivered by national authorities, United Nations agencies and sister organizations, represented by the following invited dignitaries, mostly in pre-recorded video format:

- Roberto Speranza, Minister of Health, Italy
- Colin Radford, WorkSafe Victoria, Australia
- Guy Ryder, Director General, International Labour Organization (ILO)
- Tedros Adhanom Ghebreyesus, Director General, WHO
- Marcelo Abi-Ramia Caetano, Secretary General, International Social Security Association (ISSA)
- Siong Hin Ho, President, International Association for Labour Inspection (IALI)
- José Orlando Gomes, President, International Ergonomics Association (IEA)
- Thomas P. Fuller, Past-President, International Occupational Hygiene Association (IOHA) – live feed

The opening keynote address was delivered by Sir Michael Marmot (University College, UK) who presented a talk on health inequalities in the workplace: ‘Build back fairer: Work and employment and social determinants of health’.

Dr. Kazutaka Kogi (Japan), ICOH President 2009-2015, was honoured with the ICOH Lifetime Achievement Award in recognition of his longstanding commitment, dedication, and support to the ICOH community (Pic. 5). An active ICOH member since the 1960s, during his presidency, Dr. Kogi emphasized the following ICOH priorities: i) advancing proactive risk assessment and control at work, ii) extending occupational health services to all workers, and (iii) developing action-oriented ICOH toolkits. He also worked with the ICOH Board on the update of the International Code of Ethics for Occupational Health Professionals, which was revised in 2012 as the third edition.

3.2 First ICOH General Assembly

The opening ceremony was followed by the First ICOH General Assembly, which was attended by ICOH members in good standing only; it included the following presentations and topics of discussion:

- Opening address - ICOH President, Dr. Jukka Takala
- Approval of the minutes of the previous General Assembly in Dublin, Ireland, in 2018
- President’s Report – Dr. Jukka Takala
- Report on ICOH Scientific Committees – Ms. Claudina Nogueira, Vice-President
- Report on ICOH National Secretaries – Prof. Seong-Kyu Kang, Vice-President
- Secretary General’s Report – Prof. Sergio Iavicoli

• Amendments to the ICOH Constitution

• Results of the elections of ICOH Officers and Board members for the new triennium (2022-2024). The incumbents are balanced in terms of gender and geographical regions
  - ICOH Officers:
    ° President – Prof. Seong-Kyu Kang (Republic of Korea)
    ° Secretary General – Dr. Diana Gagliardi (Italy)
    ° Vice-President for Scientific Committees – Ms. Claudina Nogueira (South Africa)
    ° Vice-President for National Secretaries – Dr. Martin Hogan (Ireland)
    ° Immediate Past President – Dr. Jukka Takala (Finland)
  - ICOH Board members:
    ° Akizumi Tsutsumi (Japan), Maureen Dollard (Australia), Stavroula Leka (Ireland), Eun-A Kim (Republic of Korea), Frida Marina Fischer (Brazil), Paul A. Schulte (USA), Shyam Pingle (India), Olivier Lo (Singapore), Sunil Kumar Joshi (Nepal), Francesco S. Violante (Italy), Alexis Descatha (France), Dingani Moyo (Zimbabwe), Gema Arévalo Alonso (UK), Riitta Sauni (Finland), Sandeep Sharma (India), and Kirsi Lappalainen (Finland)

• Venue for the ICOH 2027 Congress (presentations by bid committees and voting procedure)

• Award of Honorary ICOH membership was bestowed on Prof. Jorma Rantanen, Finland (ICOH President for two terms, 2003 – 2009), and Dr. Kent Anger (USA), in recognition of their distinguished contribution to global occupational health

3.3 ICOH 2022 Congress Closing Ceremony

The Closing Ceremony was live-streamed on Thursday 10 February 2022 (Pic. 6). The three congress co-presidents presented overall highlights for the ICOH 2022 Congress, and Dr. Jukka Takala presented highlights and take-home messages from the Global Policy Forum. This was followed by highlights of the scientific program, presented by the two congress Scientific Co-Chairs: Dr. Deborah Glass (Monash University, Australia, Pic. 8) and Ms. Claudina Nogueira (ICOH Vice-President for Scientific Committees, South Africa, Pic. 9). Dr. Diana Gagliardi (INAIL, Italy), newly appointed ICOH Secretary General and chair of the organizing committee of the Congress, gave a vote of thanks to all individuals and teams that were involved with the planning, organization and successful execution of the ICOH 2022 Congress. The awards for the winners of the student poster competition, the ILO Master Fellowships, and the best congress poster were announced by Mr. Garrett Burnett, Dr. Diana Gagliardi and Dr. Deborah Glass, respectively.

Dr. Marilyn Fingerhut and Mr. Garrett Burnett (both from NIOSH, USA) were responsible for the organization and logistics of the student poster competition. Before the official closing by the outgoing ICOH President, Dr. Jukka Takala, the ICOH flag was passed, virtually, from Prof. Malcolm Sim to Prof. Abdeljalil El Kholti, President of the ICOH 2024 Congress to be held in Marrakesh, Morocco, from 28 April to 3 May 2024 with the theme ‘Enhancing occupational health research and practices: Closing the gaps!’ (https://www.icoh2024.ma/) Save the date!
3.4 Second ICOH General Assembly

The closing ceremony was followed by the Second ICOH General Assembly, which was attended by ICOH members in good standing only; it included the following presentations and events:

- Opening address by the newly elected ICOH President, Prof. Seong-Kyu Kang
- Farewell to ICOH Officers and Board members of the previous triennium 2018-2022, and respective service awards (Pic. 7)
- A special tribute to Prof. Sergio Iavicoli, outgoing ICOH Secretary General, who served efficiently, effectively, expertly and passionately in this post for 19 years (2003 to 2022), and will continue to be a member of the ICOH Board
- Report from the scrutineers’ committee of the elections of the ICOH Officers and Board members for 2022-2024
- President’s address and strategy for 2022-2024
- Inaugural address of the newly elected ICOH Secretary General, Dr. Diana Gagliardi
- Bid results of the vote for the venue of the ICOH 2027 Congress

3.5 ICOH Board meetings associated with the ICOH 2022 Congress

The ICOH Officers and Board meetings were held virtually prior to the ICOH 2022 Congress (3 and 4 February 2022 for the previous Board), and on 23 and 28 February 2022 for the newly appointed ICOH Officers and Board, respectively.
<table>
<thead>
<tr>
<th>Special Sessions</th>
<th>Title</th>
<th>Proposer</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS 01</td>
<td>Occupational health and safety implications for the post pandemic workplace</td>
<td>Proposer: SC Accident Prevention</td>
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<tr>
<td>SS 02</td>
<td>Working towards a healthy longer working life</td>
<td>Proposer: SC Ageing and Work</td>
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<tr>
<td>SS 03</td>
<td>Immunotoxicology in workplaces: Prevention, Early detection and Treatment</td>
<td>Proposer: SC Allergy and Immunotoxicology</td>
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<tr>
<td>SS 04</td>
<td>Stress, sleep, cardiovascular autonomic disorders and health promotion</td>
<td>Proposer: SC Cardiology in OH</td>
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<tr>
<td>SS 05</td>
<td>Development of Basic Occupational Health Services, more needed than ever</td>
<td>Proposer: SC Education and Training in Occupational Health and SC OH in Small-Scale Enterprises and Informal Sector and Special Interest Group on Workers’ Health of WONCA and Indian Association of Occupational Health (IAOH)</td>
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<tr>
<td>SS 06</td>
<td>Great opportunities for online sources for education and information</td>
<td>Proposer: SC Education and Training in Occupational Health and ICOH Communication and Information Task Group</td>
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<tr>
<td>SS 07</td>
<td>Occupational Health Services for all</td>
<td>Proposer: SC Effectiveness in Occupational Health Services (EOHS)</td>
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<tr>
<td>SS 08</td>
<td>From the chemical massive disaster to the prevention</td>
<td>Proposer: SC Emergency Preparedness and Response in Occupational Health and SC Occupational Toxicology</td>
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<tr>
<td>SS 10</td>
<td>Indoor air quality in modern office buildings</td>
<td>Proposer: SC Indoor Air Quality and Health</td>
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<td>SS 11</td>
<td>Respirable Crystalline Silica – exposure limits, measurements and control measures</td>
<td>Proposer: SC Industrial Hygiene</td>
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<tr>
<td>SS 12</td>
<td>Mining occupational safety and health</td>
<td>Proposer: SC Mining Occupational Safety and Health</td>
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<tr>
<td>SS 13</td>
<td>Preventing Tuberculosis (TB) and Lung Disease with Silica Dust Controls: The Case for Primary Prevention</td>
<td>Proposer: SC Mining Occupational Safety and Health and SC Industrial Hygiene</td>
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<tr>
<td>SS 14</td>
<td>Preventing and Managing Occupational Shoulder Disorders</td>
<td>Proposer: SC Musculoskeletal Disorders and SC Effectiveness in Occupational Health Services</td>
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<tr>
<td>SS 15</td>
<td>Occupational safety and health strategies for engineered nanomaterials: a model for emerging technologies</td>
<td>Proposer: SC Nanomaterial Workers’ Health</td>
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<td>SS 16</td>
<td>Pesticide exposure: Understanding pathways of exposure and health outcomes to develop interventions to reduce exposure and improve safety</td>
<td>Proposer: SC Neurotoxicology &amp; Psychophysiology</td>
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<tr>
<td>SS 17</td>
<td>Is dermatitis the most frequent occupational disease? Epidemiology and prevention</td>
<td>Proposer: SC Occupational and Environmental Dermatoses</td>
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<tr>
<td>SS 18</td>
<td>Strategies to address the increasing burden of Occupational skin cancer</td>
<td>Proposer: SC Occupational and Environmental Dermatoses and SC Radiation and Work</td>
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<tr>
<td>SS 19</td>
<td>Sharing Solutions in Occupational Health: Best Practices from LMIC countries</td>
<td>Proposer: SC Occupational Health and Development</td>
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</table>
| SS 20 | The other pandemic: Mental Health Issues facing HWs during the Covid-19 crisis  
Proposer: SC Occupational Health for Health Workers and SC Women Health and Work |
| SS 21 | Updates on Protections against Infectious Agents in Health Care  
Proposer: SC Occupational Health for Health Workers |
| SS 22 | Responsible Care and Corporate Citizenship  
Proposer: SC Occupational Health in the Chemical Industry |
| SS 23 | Occupational Health in Construction Industry  
Proposer: SC Occupational Health in the Construction Industry |
| SS 24 | The work of an occupational health nurse in various countries during COVID-19  
Proposer: SC Occupational Health Nursing |
| SS 25 | Benzene: toward a lowering of occupational limit values and its impact on risk assessment and biomonitoring  
Proposer: SC Occupational Toxicology |
| SS 26 | Prevention of the electromagnetic fields exposure risk in the workplaces and the issue of the workers at particular risk  
Proposer: SC Radiation and Work |
| SS 27 | Reproductive hazards in the workplace and environment  
Proposer: SC Reproductive Hazards in the Workplace |
| SS 28 | Occupational Health in Disaster Management, Response, Research and Preparedness  
Proposer: SC Respiratory Disorders and SC Emergency Preparedness in Occupational Health (SCEPROH) |
| SS 29 | Pesticide issues with a focus on glyphosate  
Proposer: SC Rural Health: Agriculture, Pesticides and Organic Dusts and Collegium Ramazzini |
| SS 30 | Rural Health: Effects of pesticides and dust  
Proposer: SC Rural Health: Agriculture, Pesticides and Organic Dusts |
| SS 31 | Recovery from Shiftwork: Approaches and Experience  
Proposer: SC Shiftwork and Working Time |
| SS 32 | Migrant Workers’ Health: Solutions to empower and inspire change  
Proposer: SC Small-Scale Enterprises and the Informal Sector and Migration Health and Development Research Initiative |
| SS 33 | Preventing occupational respiratory disease in SMEs: Sharing solutions from silicosis experiences  
Proposer: SC Small-Scale Enterprises and the Informal Sector and SC Respiratory Disorders |
| SS 34 | Climate change, workplace heat and occupational health and productivity  
Proposer: SC Thermal Factors |
| SS 35 | Emerging conditions of metal exposure: implications for occupational risk assessment and management strategies  
Proposer: SC Toxicology of metals |
| SS 36 | Unemployment, Job Insecurity and Health for Vulnerable Workers Pre, During and Post Pandemic  
Proposer: SC Unemployment, Job insecurity and Health |
| SS 37 | Noise and ototoxicanst exposure induced hearing loss: surveillance, epidemiology and prevention  
Proposer: SC Vibration and noise |
| SS 38 | New realities for the health of working women in the new normal  
Proposer: SC Women Health and Work |
| SS 39 | Effect of blue light on workers and on led screen computerised instrument users  
Proposer: SC Work and Vision |
| SS 40 | Engaging workplaces in mental illness-related disability prevention  
Proposer: SC Work Disability Prevention and Integration |
| SS 41 | Policy approaches to psychosocial risks at work  
Proposer: SC Work Organisation and Psychosocial Factors (WOPS) |
| SS 42 | Recovering from work - what to do (and not to) during off-job times?  
Proposer: SC Work Organisation and Psychosocial Factors (WOPS) and SC Shiftwork and Working Time |
| SS 43 | Elimination of asbestos-related diseases in Asia Pacific  
Proposer: Asian Ban Asbestos Network and Japan Occupational Safety and Health Resource Center |
| SS 44 | European Postgraduate Assessment in Occupational Medicine  
Proposer: European Union of Medical Specialists (UEMS) and SC Education and Training in OH |
| SS 45 | Supporting a breakthrough against child labour and hazardous work in agriculture  
Proposer: Child Labour in Agriculture, Food and Agriculture Organization of the United Nations (FAO) |
| SS 46 | Best practices of training experts in occupational health  
Proposer: ICOH Board |
| SS 47 | New challenges to professional ethics in occupational health  
Proposer: ICOH Past President |
| SS 48 | Aquaculture occupational health and safety - towards preventive approaches  
Proposer: International collaboration/consortium on OHS in Fishing, Aquaculture and Seafood processing |
| SS 49 | The Occupational Medicine Pipeline - developing Occupational Medicine expertise internationally  
Proposer: International Occupational Medicine Society Collaborative (IOMSC) |
| SS 50 | Occupational Safety and Health Challenges and Solutions in the Post-Pandemic Future of Work  
Proposer: Nordic Future of Work and OSH Group |
| SS 51 | Pandemic and post-pandemic challenges, a vision of the Perosh network  
Proposer: Partnership for European Research on Occupational Safety and Health (PEROSH) |
| SS 52 | Young workers - our future workforce needs OSH attention now!  
Proposer: Working Group Demographic Changes and OH |
| SS 53 | Critical Issues in the Future of Decent Work  
Proposer: Working Group Future of Decent Work |
| SS 54 | Biorisk Management in the workplace: beyond the tick box  
Proposer: Working Group Occupational Infectious Agents |
| SS 55 | Global application of action tools for facilitating primary prevention in different settings  
Proposer: Working Group Participatory Approaches in Occupational Health |
| SS 56 | Workplace Health Without Borders (International) – How the collaborative work of an international occupational health charity changes the face of occupational health around the globe  
Proposer: Workplace Health Without Borders (International) |
| SS 57 | Systematic reviews and meta-analyses on exposure to long working hours for the WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury  
Proposer: World Health Organization (WHO) |
# 4. SCIENTIFIC PROGRAM

## KEYNOTE & PLENARY SESSIONS (CME)

<table>
<thead>
<tr>
<th>DATE</th>
<th>KEYNOTE Session</th>
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| Sun. 6 Feb | Opening Keynote  
Health inequalities in the workplace  
Sir Michael Marmot                      |

<table>
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<tr>
<th>DATE</th>
<th>TIME</th>
<th>PLENARY Presentations</th>
<th>Session Chairs</th>
</tr>
</thead>
</table>
| Mon. 7 Feb | 06:00-07:00 | Plenary 01  
Occupational cancer: Future opportunities and challenges  
Lin Fritschi - Curtin University, Australia | Claudina Nogueira, South Africa |
| Mon. 7 Feb | 07:00-08:00 | Plenary 02  
Occupational health: Challenges and solutions in the COVID-19 era  
Doo Yong Park - Korean Occupational Safety and Health Agency, Republic of Korea | Malcolm Sim, Australia           |
| Mon. 7 Feb | 14:00-15:00 | Plenary 03  
Mental health, sickness absence prevention and return to work  
Karen Nieuwenhuijsen - Coronel Institute, Amsterdam UMC, The Netherlands | Stavroula Leka, United Kingdom   |
| Mon. 7 Feb | 15:00-16:00 | Plenary 04  
Emerging workplace health and safety threats – has the pandemic changed the trajectory?  
Margaret Kitt - National Institute for Occupational Safety and Health, USA | Jukka Takala, Finland            |
| Tue. 8 Feb | 06:00-07:00 | Plenary 05  
Effectiveness of basic occupational health services in the informal sector  
Hanifa Denny - Diponegoro University, Indonesia | Shyam Pingle, India              |
| Tue. 8 Feb | 16:00-17:00 | Plenary 06  
Globalisation and the implications for worker health  
Jorma Rantanen - Finnish Institute for Occupational Health, Finland | Martin Hogan, Ireland            |
| Wed. 9 Feb | 06:00-07:00 | Plenary 07  
The past as prologue: How the history of occupational illness and injury teaches us about today  
Paul Blanc - University of California San Francisco, USA | Seong-Kyu Kang, Rep. Of Korea    |
| Wed. 9 Feb | 07:00-08:00 | Plenary 08  
Preventing infectious diseases in the workplace  
Franklin Muchiri - International Labour Organization (former) | Sunil Kumar Joshi, Nepal         |
| Wed. 9 Feb | 14:00-15:00 | Plenary 09  
The new WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury  
Frank Pega - World Health Organization | Diana Gagliardi, Italy           |
| Wed. 9 Feb | 15:00-16:00 | Plenary 10  
Impact of the 24-hour society on workers’ health and safety  
Frida Marina Fischer - University of São Paulo, Brazil | Paul Schulte, USA                |
| Thu. 10 Feb | 06:00-07:00 | Plenary 11  
Worker health and safety in a changing climate  
Alistair Woodward - University of Auckland, New Zealand | Deborah Glass, Australia         |
SPEAKERS

Health inequalities in the workplace
Sir Michael Marmot, United Kingdom

Occupational cancer: Future opportunities and challenges
Lin Fritschi, Australia

Occupational health: Challenges and solutions in the COVID-19 era
Doo Yong Park, Republic of Korea

Mental health, sickness absence prevention and return to work
Karen Nieuwenhuijsen, The Netherlands

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Impact of the 24-hour society on workers’ health and safety
Frida Marina Fischer, Brazil

Worker health and safety in a changing climate
Alistair Woodward, New Zealand
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<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>SEMI-PLENARY Presentations</th>
<th>Session Chairs</th>
</tr>
</thead>
</table>
| Mon. 7 Feb | 08:15-09:00       | Semi-Plenary 01  
The Future of Work: Emerging Risks and Opportunities for Health and Well-Being  
_Sharon K. Parker - Australia_  
Semi-Plenary 02  
Child Labor in Conflict Settings  
_Rima R. Habib - Lebanon_  |
|           |                   | Toru Yoshikawa, Japan  
Won-Jun Choi, Rep. of Korea  |
| Mon. 7 Feb | 09:15-10:00       | Semi-Plenary 03  
Artificial stone and a new epidemic of silica-related diseases  
_Ryan Hoy - Australia_  
Semi-Plenary 04  
The role and activities of public interest NGOs in promoting occupational safety and health  
_Jeong-ok Kong - Rep. of Korea_  |
|           |                   | Rafael De La Hoz, USA  
Deborah Glass, Australia  |
| Mon. 7 Feb | 16:15-17:00       | Semi-Plenary 05  
Psychosocial risks, their management and the use of linked surveys  
_Irene Houtman - The Netherlands_  
Semi-Plenary 06  
Lessons learned for global occupational health from the COVID-19 pandemic and building forward better  
_Ivan Ivanov - Switzerland_  |
|           |                   | Norito Kawakami, Japan  
Alexis Descatha, France  |
| Mon. 7 Feb | 17:15-18:00       | Semi-Plenary 07  
What Kind of Mask Should Workers and the Public Wear for an Aerosol-Transmissible Infectious Disease?  
_Lisa M. Brosseau - USA_  
Semi-Plenary 08  
The challenge of ensuring business sustainability during outbreak  
_Adolfo Hernández - Argentina_  |
|           |                   | Rosa Maria Orriols Ramos, Spain  
Ruddy Facci, Brazil  |
| Tue. 8 Feb | 07:15-08:00       | Semi-Plenary 10  
Employment of people with mental illness: Challenges and solutions  
_A.M. Caroline Crosse – Australia_  |
|           |                   | Kari Reijula, Finland  |
| Tue. 8 Feb | 08:15-09:00       | Semi-Plenary 11  
The complex interface between occupational health, public health and travel medicine  
_Peter Leggat - Australia_  
Semi-Plenary 12  
Occupational Health and Safety for Small-Scale Enterprises and the Informal Sector (in Southern Africa)  
_Rajen N. Naidoo - South Africa_  |
|           |                   | Seichi Horie, Japan  
Mahinda Seneviratne, Australia  |
| Tue. 8 Feb | 09:15-10:00       | Semi-Plenary 13  
The development of mobile communication system and human health risks  
_Nina Rubtsova - Russian Federation_  
Semi-Plenary 14  
Occupational Health – Adding Value to Business  
_Shrinivas Shanbhag - India_  |
|           |                   | Ivo Iavicoli, Italy  
Olivier Lo, Singapore  |
<table>
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</table>
| Tue. 8 February | 17:15-18:00 | Semi-Plenary 15 Reconciling epidemiological and toxicological data: some general principles and the example of firefighters
Tee L. Guidotti - USA

Semi-Plenary 16 Health care waste management and Occupational health - who cares for the carer?
Edith Essie Clarke - Ghana

Kate Jones, United Kingdom

Gwen Brachman, USA |
| Wed. 9 February  | 08:15-09:00 | Semi-Plenary 17 Preventing overwork related disorders “Karoshi”
Akizumi Tsutsumi - Japan

Semi-Plenary 18 Quality assurance approach for basic occupational health services provided by Primary Care Units (PCUs) in Thailand, an example for others?
Orrapan Untimanon - Thailand

Tim Driscoll, Australia

Stefania Curti, Italy |
| Wed. 9 February  | 09:15-10:00 | Semi-Plenary 19 How did mental health become a problem in working life?
Ari Väänänen - Finland

Semi-Plenary 20 Reform of Occupational Health Authority in China and its perspectives
Sun Xin - P. R. China

Akihito Shimazu, Japan

Eun-A Kim, Rep. Of Korea |
| Wed. 9 February  | 16:15-17:00 | Semi-Plenary 21 OSH Regulations and Enforcement: Comparison Between LMIC and High-Income Countries
Ehi Iden - Nigeria

Semi-Plenary 22 Occupational health for migrant workers in Spain, why does it matter?
Rocio de Diego-Cordero - Spain

Claudina Nogueira, South Africa

Antonio Valenti, Italy |
| Wed. 9 February  | 17:15-18:00 | Semi-Plenary 23 Preventing Tuberculosis (TB) in health workers and silica-exposed occupations
Perry Gottesfeld - USA

Semi-Plenary 24 Basic health care/family and workers’ health programs performed by occupational health professionals among vulnerable populations
Elizabeth Costa Dias - Brazil

Antoon De Schryver, Belgium

Kibor K. Keitany, Kenya |
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The Future of Work: Emerging Risks and Opportunities for Health and Well-Being
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Rima R. Habib, Lebanon

Artificial stone and a new epidemic of silica-related diseases
Ryan Hoy, Australia

The role and activities of public interest NGOs in promoting occupational safety and health
Jeong-ok Kong, Rep. of Korea

Psychosocial risks, their management and the use of linked surveys
Irene Houtman, The Netherlands

Lessons learned for global occupational health from the COVID-19 pandemic and building forward better
Ivan Ivanov, Switzerland
What Kind of Mask Should Workers and the Public Wear for an Aerosol-Transmissible Infectious Disease?
*Lisa M. Brosseau, USA*

The challenge of ensuring business sustainability during outbreak
*Adolfo Hernández, Argentina*

Employment of people with mental illness: Challenges and solutions
*A.M. Caroline Crosse, Australia*

The complex interface between occupational health, public health and travel medicine
*Peter Leggat, Australia*

Occupational Health and Safety for Small-Scale Enterprises and the Informal Sector (in Southern Africa)
*Rajen N. Naidoo, South Africa*

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Rocio de Diego-Cordero, Spain

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Perry Gottesfeld, USA

Basic health care/family and workers’ health programs performed by occupational health professionals among vulnerable populations
Elizabeth Costa Dias, Brazil

Prediction, prevention and preparedness for emergencies at work with special reference to the risk of pandemics.

The Global Policy Forum was live-streamed on Tuesday, 8 February 2022. The main thrust of the Forum was the discussion of practical implementation of policies and strategies, and the translation of research and expert knowledge into effective practice, to improve prediction, prevention and preparedness for possible future pandemics and other emergencies. The Forum discussion drew from lessons learned from experiences during the COVID-19 pandemic and other major emergencies and outcomes in working populations. Strategies were formulated for priority actions and programmes for a better future world of work. The Forum was chaired by Dr. Jukka Takala (ICOH President) and consisted of the following panellists:

- **International Labour Organization**
  - Mr. Joaquim Pintado Nunes, Chief of Labour Administration and Occupational Safety and Health

- **World Health Organization**
  - Dr. Ivan Ivanov, Head, Occupational and Workplace Health

- **Africa**
  - Dr. Spo Kgalamono, Director of the National Institute for Occupational Health (NIOH), South Africa

- **Asia**
  - Prof. Mai Anh Luong, Ministry of Health, Vietnam

- **Europe**
  - Prof. Sergio Iavicoli, Ministry of Health, Italy

- **Latin America**
  - Dr. Julietta Rodriguez Guzmán, Pan American Health Organization (PAHO, until Oct 2021)

- **Oceania and the Pacific**
  - Prof. Margaret Hellard, Deputy Director of the Burnet Institute, Melbourne, Australia
<table>
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33rd INTERNATIONAL CONGRESS ON OCCUPATIONAL HEALTH

A long history of protecting workers’ health

GLOBAL DIGITAL CONGRESS
www.icoh2022.net

ICOH 2022
33rd International Congress on Occupational Health

www.icohweb.org
The Congress website went live in May 2021 and was continuously upgraded before the starting and after the end of ICOH 2022 (e.g. with publication of ICOH 2022 Highlights and communications about the On-demand platform).

The website included information on:

- Key dates
- Call for abstracts
- Registration fee
- Program overview and Scientific program
- EACCME® Accreditation
- How to live the digital experience

The website was a landmark for the participants and it was flanked by the ICOH 2022 social media, created in June (Facebook, Twitter) and in July 2021 (Instagram).

The Congress was an incentive to create the social media accounts also for ICOH in the same period (except Facebook account that already existed).
...and about ICOH
6. CONGRESS PLATFORM LAYOUT

6.1 ICOH 2022 digital platform’s operation during the Congress

Registered participants could access the platform by entering their login credentials, previously received by email. For those wanting to register for ICOH 2022 during the Congress dates, a specific registration option was available with a “Click here to register” button, until February 10.

The Lobby allowed the attendee to:
• use the room indicators and the navigation bar to enter the different areas;
• click on the screens to watch sponsors’ latest videos or news and have a look at the Congress Program;
• easily engage in a one-to-one chat with a participant by clicking on the “Online attendees” button;
• contact the helpdesk staff for any technical issue or question;
• click on the personal Congress bag to view useful documents and add content.
Furthermore, the Lobby allowed access to the Auditorium and the Special Sessions, Oral Communications, E-Poster Hall and Exhibition Hall sections.
The Auditorium hosted the Scientific Sessions, made accessible by clicking on the different buttons: Opening and closing ceremonies, Plenary Sessions, Semi-Plenary Sessions, Global Policy Forum.

In the Auditorium, the participant could also:
- click on the “Launch” button to access the Live Sessions, whose keyword “Live” was displayed on the left of the content;
- click on “watch previous sessions” to watch a missed session;
- click on the “view timetable” button to stay updated with the ICOH 2022 live program.

In this room the attendee could:
- click on the “join the Special Sessions” button to watch the 56 scientific sessions organized by ICOH Scientific Committees and selected external organizations;
- learn more about the results of their work during the triennium and find more about topics that are relevant to the Congress theme;
- select the session of interest and join the discussion by leaving a message in the chat, and interact with other participants.
This room gave the participant the possibility to:

- watch on-demand Oral Communications by clicking on the monitor “View Oral Communications”;
- select the topic and watch the sessions of interest;
- chat with other participants directly on the session chat or join the chat discussion by clicking on the related chat icon.

Just as for the Oral Communications, by entering the E-Poster Hall and clicking on “View E-Poster”, each attendee could select the topic of interest and view related e-posters, in addition to being able to interact and chat with other participants on a specific topic.

Moreover, by clicking on the appropriate button on the keyboard, one could vote for their own favourite poster.
In the Exhibition Hall, the attendee could visit the booths or the websites of the Sponsors by clicking on their respective logos.
The image below is the ICOH booth.

In each booth the attendee could interact with the representatives through a one-to-one or public chat and learn more about their initiatives, thus supporting the occupational health community.
Each attendee could also view documents and videos, save and add these contents to their personal Congress bag and get connected to the Social Media of the Sponsors.
6.2 More details about platform navigation

The ICOH 2022 Congress offered registered participants a visually rich digital platform, recreating the environment of an in-presence congress. The platform hosted all the sessions and main events that are included in the traditional ICOH Congress format.

On the Congress Platform, live-streamed sessions were available at the following hours:

- **Sunday 6th February** 08:30 - 18:30 CET
- **Monday 7th February** 06:00 - 18:30 CET
- **Tuesday 8th February** 06:00 - 18:30 CET
- **Wednesday 9th February** 06:00 - 18:30 CET
- **Thursday 10th February** 06:00 - 18:30 CET

During the Congress days, participants had 24/7 access to the Congress digital platform at https://triumph.6connex.eu/event/virtualhub/icoh2022/login

On-demand program was available at any time. It included also the recordings of live-streamed sessions that were made available within two hours after their end.

The virtual platform opened on 6th February 2022 at 8:30 CET and stayed open until 3rd March 2022, 23:59 CET. Starting on 4 March 2022, 00:00 CET, participants could access all scientific contents for four additional months through a dedicated platform.
7. ON-DEMAND PLATFORM

**LOGIN PAGE**

Registered participants could browse all contents on a dedicated on-demand platform, starting from 4 March 2022 until 30 June 2022 (23:59 CET), by using the same platform credentials for participating in ICOH 2022 during the Congress dates.

**HOMEPAGE**

Once inside the On-demand platform, the attendee could enter two different areas, Timetable or On-demand sessions, by using the buttons at the top of the screen.

**TIMETABLE**

All ICOH 2022 sessions were available 24/7 and were easy to navigate.

**ON-DEMAND SESSION**

Here the attendee could find the contents that were always available on-demand, also during the Congress.
8. EVALUATION

8.1 Participants feedback – General evaluation

Rate your level of satisfaction related to the information provided by Triumph (via website and other tools)

- Very Satisfied: 50%
- Satisfied: 36%
- Somewhat Satisfied: 9%
- Very unsatisfied: 3%
- N/A: 2%

Rate your level of satisfaction related to the event format (duration of sessions and lectures, overall event duration)

- Very Satisfied: 49%
- Satisfied: 36%
- Somewhat Satisfied: 12%
- Very unsatisfied: 1%
- N/A: 2%
8.2 Some comments posted by participants about the realization of the Event

- It was an amazing shared experience for us all around the world. Looked forward for every sessions held and amazing presentations. Thank you ICOH. As a 24 year old post graduate student from Malaysia, this was a new experience for me and most unforgettable! Looking forward to join the next ICOH
- Good effort to ensure the ICOH Congress and bring together an excellent program at a very uncertain and difficult time for all. Thank you
- For a virtual event, the arrangements were good but still miss the physical (in-person) conferences
- The conference had a sense of reality under the restrictive conditions of online
- Well done! Still prefer face to face though... perhaps consider hybrid next time so that if weather / outbreak affects attendance at venue one can still login virtually

8.3 Participants feedback – EACCME®
Q: What was the best aspect of this event?

Some answers:

• The platform was very nice organised and very usable. The organisation was excellent and very interesting presentations
• The possibility to have the presentations available for a while
• Cheap and practical possibility to participate from all over the world
• The organization, the schedule, the web system, really very good
• The opening ceremony and the keynote speakers
• The participation of important scientific bodies and the comparison with other countries of the world
• Having different points of view from all over the world concerning occupational health

Q: What was the worst aspect of this event?

Some answers:

• Sitting at my desk for 12 hours a day with no variation
• I could not download presentations (don’t even know whether possible)
• The time difference made it impossible to follow the whole program in real time
• Not being able to attend in person and make new connections that way
• The long day for the live streaming sessions
• No live interaction (except chat function)
• Initial difficulties in navigating through the website - but once we got used to it, there was no problem
9. GLOBAL PARTNERSHIP FOR ICOH 2022

ICOH Secretariat General hosted by INAIL

Supporting institutions

The ICOH 2022 Committee gratefully acknowledges the unrestricted educational grants from the following companies:

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APPENDIX

JOIN ICOH

We invite you to join the largest scientific and professional association in occupational health.

The International Commission on Occupational Health (ICOH) is an international non-governmental professional association whose aim is to foster the scientific progress, knowledge and development of occupational health and safety in all its aspects. ICOH was founded in 1906 in Milan as the Permanent Commission on Occupational Health. Today, ICOH is the world’s leading international scientific and professional association in the field of occupational health with a membership of 2,000 professionals from over 100 countries.

ICOH is recognized by the United Nations as a non-governmental organization (NGO) and has close working relationships with ILO and WHO. Its official languages are English and French. The most visible activity of ICOH is the triennial World Congress on Occupational Health, which is usually attended by some 3,000 participants.

ICOH has 37 Scientific Committees. Most of them organize scientific symposia during the triennium enriching the triennial scientific program of the organization, that can count on an ICOH-sponsored scientific event happening almost every month.

Benefits for ICOH members

• Become a member of the ICOH Global Network
• Participate in the scientific community on occupational health
• Join three ICOH Scientific Committees of your own interest without any additional fee
• Receive the ICOH Newsletter three times a year
• Get access to special contents in the private area of the ICOH website
• Get reductions in the registration fees of ICOH Triennial Congresses
• Get 40% off all WHO information products
• Get 50% off all ILO publications
• Get 20 - 30% off the subscription rates of several international scientific journals

Please visit www.icohweb.org for more information and how to apply, including fees.
ICOH Secretariat General is grateful to the ICOH 2022 team who contributed to the final editing of this Congress Report.

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Special thanks are due to Claudina Nogueira, ICOH Vice-President in charge of Scientific Committees (2018-2024) and Scientific Co-Chair of the ICOH 2022 Congress, for drafting most sections of this Congress Report.

Thanks for attending ICOH 2022.
See you all in ICOH 2024 Marrakesh!
34th ICOH CONGRESS
28 April - 3 May 2024
Marrakesh - Morocco

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For further information please contact the ICOH Secretariat General
icoh@inail.it

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www.icoh2022.net
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