



ICOH 2022

33rd International Congress
on Occupational Health

SHARING SOLUTIONS IN OCCUPATIONAL HEALTH
THROUGH AND BEYOND THE PANDEMIC

CONGRESS REPORT



INAIL
ISTITUTO NAZIONALE PER L'ASSICURAZIONE
CONTRO GLI INFORTUNI SUL LAVORO

 가천대학교
Gachon University

 **MONASH**
University



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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!



Prof. Sergio Iavicoli
Congress Co-President

A handwritten signature in black ink, appearing to read 'Sergio Iavicoli'.



Prof. Malcolm Sim
Congress Co-President

A handwritten signature in black ink, appearing to read 'Malcolm Sim'.



Dr. Jukka Takala
Congress Co-President

A handwritten signature in black ink, appearing to read 'Jukka Takala'.

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

Continent	No. registered participants
Africa	134
Asia	450
Europe	485
North America	84
Oceania	71
South America	105
Not specified	125

- 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

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

*oral and e-poster

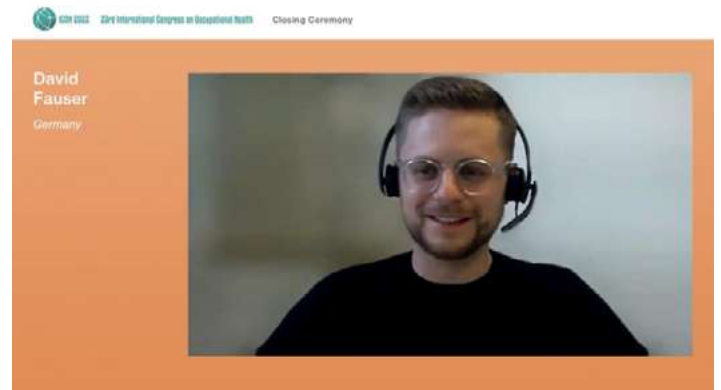
- An active programme focused on early- and mid-career delegates, viz. 54 e-posters submitted to the student poster competition – three winners and five runners-up (Table 3).

Table 3. Winners of the student poster competition

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



Pic. 1



Pic. 2

- 19 applications were received for the ILO Master Fellowship - two winners:
 - Sunisa Chaiklieng (Thailand) (*Pic. 3*)
 - José Luis Calderón-Mafud (Mexico)



Pic. 3



Pic.4

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:

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 Psychophysiology
 Occupational and
 Environmental Dermatoses
 Occupational Health and COVID-19
 Occupational Health Nursing
 Occupational Medicine
 Occupational Toxicology
 Occupational Health
 and Development
 Occupational Health for Health Workers
 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

Registration open and early bird offer 15 June 2021	Call for abstracts open 15 June 2021
Abstract submission close 31 August 2021 NEW DEADLINE: 30 SEPTEMBER 2021	Notification of abstract acceptance by 5 November 2021
Deadline for accepted presenter to confirm participation 9 November 2021 NEW DEADLINE: 14 NOVEMBER 2021	Standard registration fees on offer 15 November 2021

2.2 Registration fee

EARLY BIRD REGISTRATION FEES 15 JUNE 2021 – 14 NOVEMBER 2021	STANDARD REGISTRATION FEES 15 NOVEMBER 2021 – 10 FEBRUARY 2022
<ul style="list-style-type: none">• 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 50• ICOH Non Member Student low and middle income country: EUR 80	<ul style="list-style-type: none">• 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

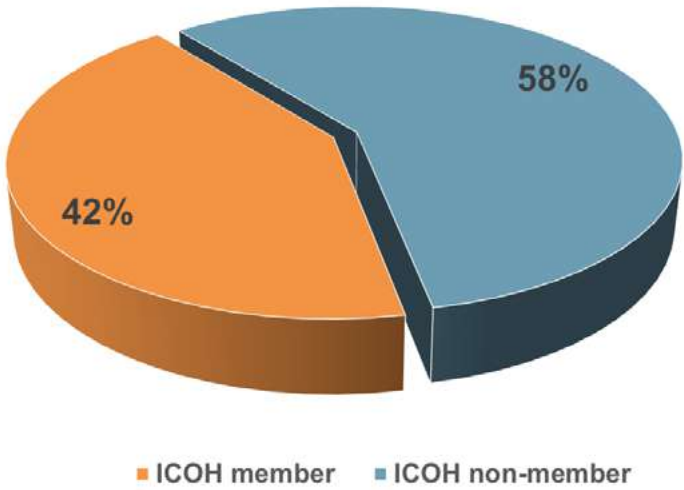
- Access to all sessions and events (live streaming, pre-recorded, and on-demand contents) during 6-10 February 2022;
- On-demand access to all recorded sessions for one month after the Congress;
- Access to all the scientific content for four months after the Congress closing;
- Access to live chats 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).

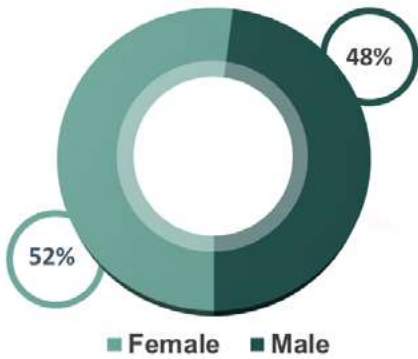
2.4 Registration report

1454
participants

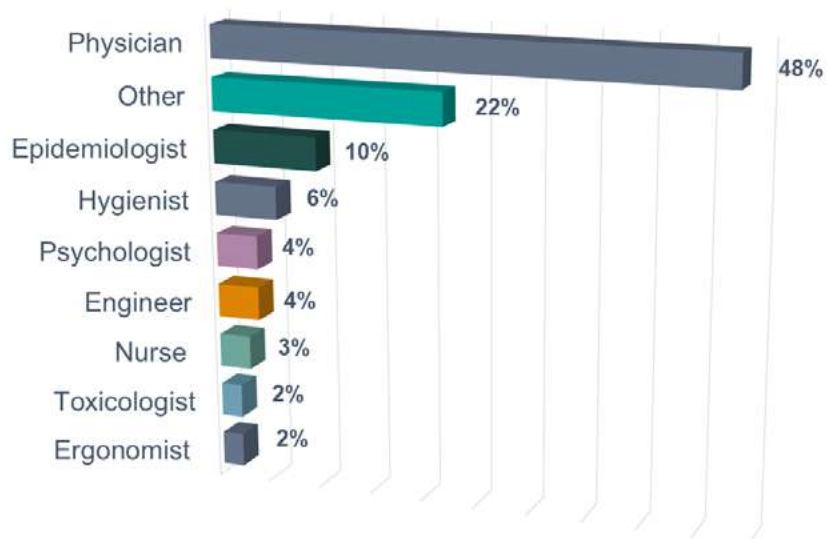
CATEGORY



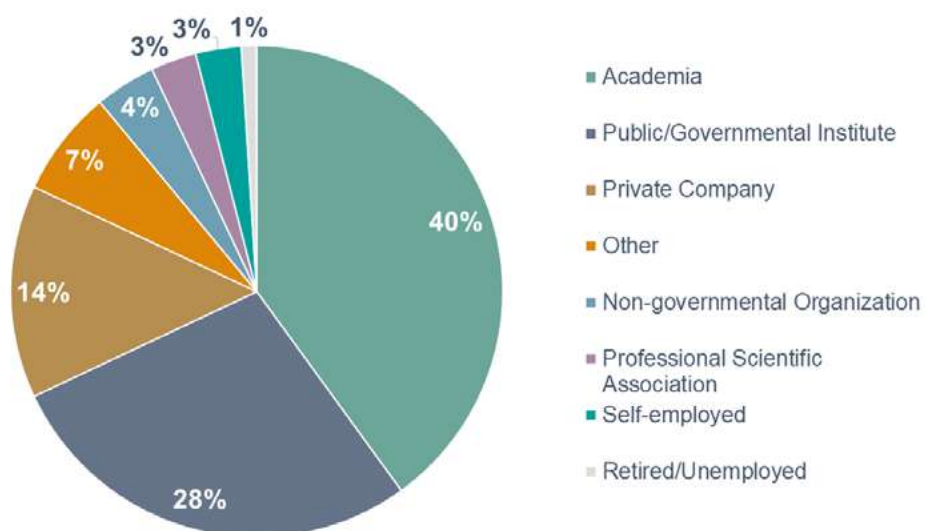
GENDER



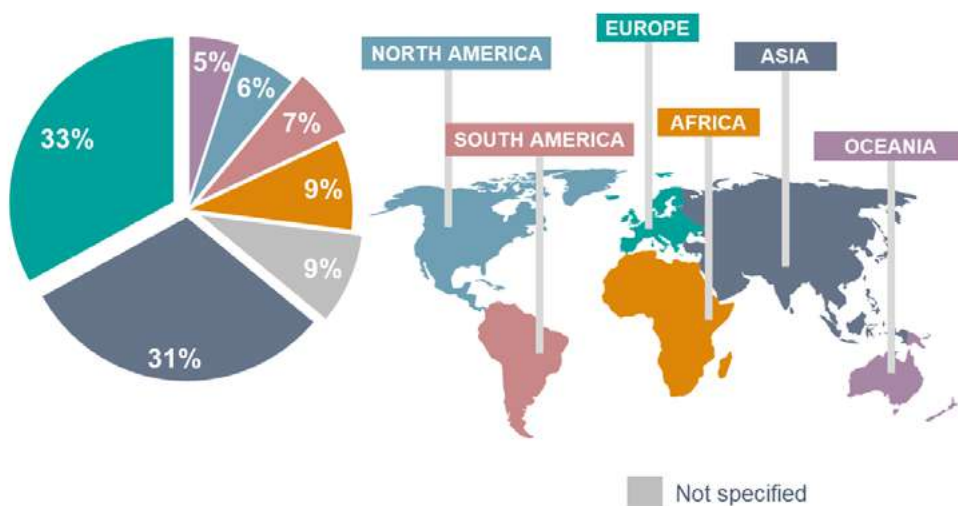
PROFESSION



TYPE OF ORGANIZATION



GEOGRAPHICAL AREA



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

3. PROGRAM

TIME	SUNDAY 6	MONDAY 7	TUESDAY 8	WEDNESDAY 9	THURSDAY 10	
06:00-07:00		PLENARY 1 Lin Fritschi	PLENARY 5 Hanifa Denny	PLENARY 7 Paul Blanc	PLENARY 11 Alistair Woodward	MELBOURNE STAGE
07:00-08:00		PLENARY 2 Doo Yong Park	SEMI-PLENARY 10 (07:15-08:00) A.M. Caroline Crosse	PLENARY 8 Franklin Muchiri		
08:15-09:00		SEMI-PLENARIES 1-2 Sharon K. Parker & Rima R. Habib	SEMI-PLENARIES 11-12 Peter Leggat & Rajen N. Naidoo	SEMI-PLENARIES 17-18 Akizumi Tsutsumi & Orrapan Untimanon		
09:15-10:00		SEMI-PLENARIES 3-4 Ryan Hoy & Jeong-ok Kong	SEMI-PLENARIES 13-14 Nina Rubtsova & Shrinivas Shanbhag	SEMI-PLENARIES 19-20 Ari Väänänen & Sun Xin		
10:45-12:45	OPENING CEREMONY & KEYNOTE SESSION Sir Michael Marmot live					ROME STAGE
13:00-14:00	1st GENERAL ASSEMBLY live		GLOBAL POLICY FORUM live		CLOSING CEREMONY live (13:00-14:30)	
14:00-15:00		PLENARY 3 Karen Nieuwenhuijsen		PLENARY 9 Frank Pega		
15:00-16:00		PLENARY 4 Margaret Kitt		PLENARY 10 Frida Marina Fischer	2nd GENERAL ASSEMBLY live (15:00-16:30)	
16:15-17:00		SEMI-PLENARIES 5-6 Irene Houtman & Ivan Ivanov	PLENARY 6 Jorma Rantanen (16:00-17:00)	SEMI-PLENARIES 21-22 Ehi Iden & Rocio de Diego-Cordero		
17:15-18:00		SEMI-PLENARIES 7-8 Lisa M. Brosseau & Adolfo Hernández	SEMI-PLENARIES 15-16 Tee L. Guidotti & Edith Essie Clarke	SEMI-PLENARIES 23-24 Perry Gottesfeld & Elizabeth Costa Dias		
SPECIAL SESSIONS						ON-DEMAND
ORAL COMMUNICATIONS						
INTERACTIVE E-POSTERS						

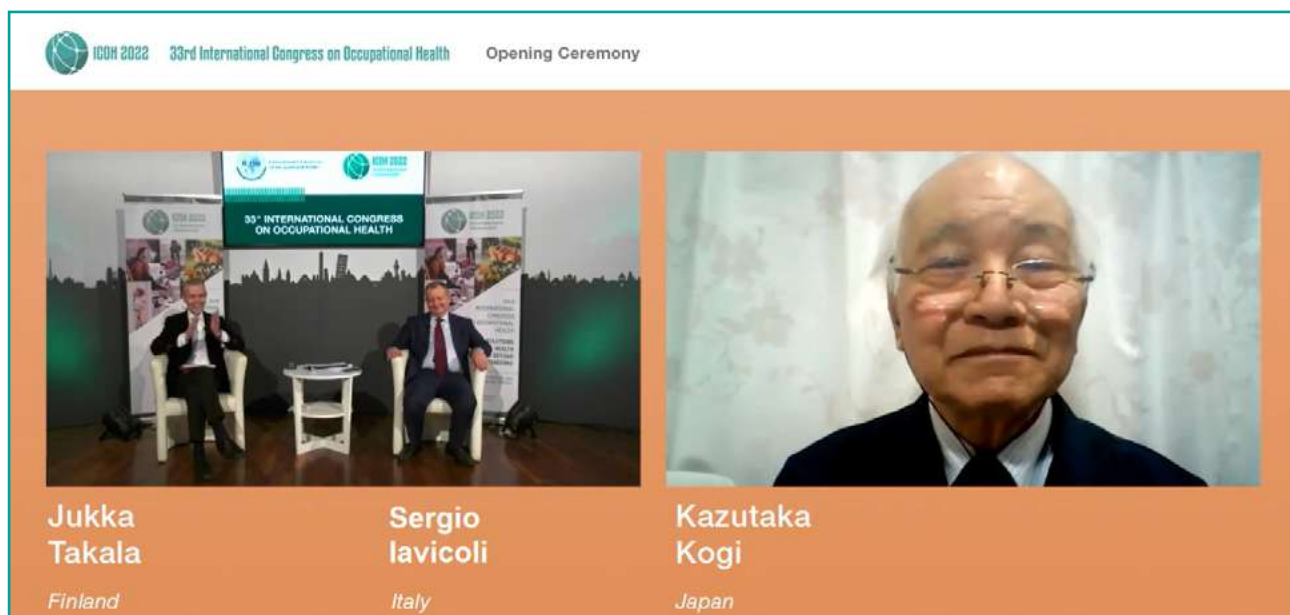
3.1 ICOH 2022 Congress Opening Ceremony

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.



Pic. 5

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

- The ICOH Triennium Report (2018-2021) - available on the ICOH website (<http://www.icohweb.org/site/news-detail.asp?id=213>)
- 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!

ICOH 2022 33rd International Congress on Occupational Health Closing Ceremony Deborah Glass, Australia

OPENING AND CLOSING CEREMONIES	PLENARY SESSIONS
SEMI PLENARY SESSIONS	GLOBAL POLICY FORUM

1400+ registered participants from 90+ countries

107 ICOH members in good standing from LMICs met the eligibility criteria and received registration fee waivers

115 hours of scientific content

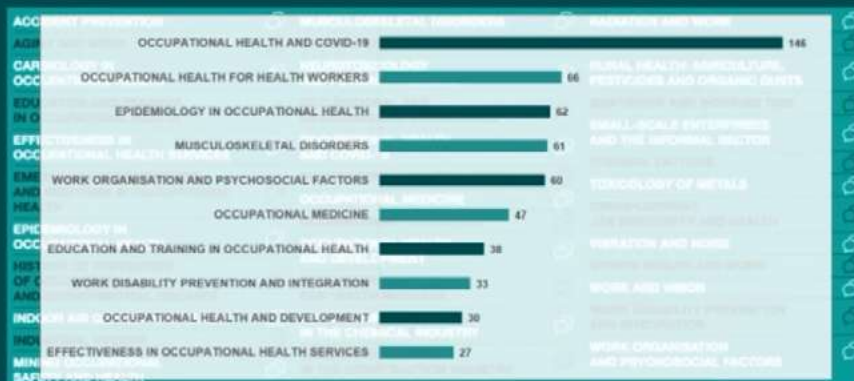
ICOH 2022 is accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 12 European CME credits (ECMECs)

Pic. 8



ICOH 2022

Top 10 Free Paper Topics

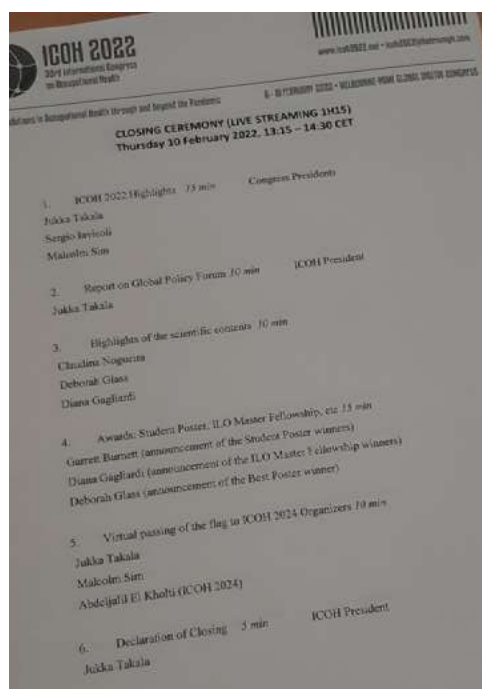


Pic. 9

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



Pic. 6



Pic. 7

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.

SPECIAL SESSIONS

SS 01	Occupational health and safety implications for the post pandemic workplace Proposer: SC Accident Prevention
SS 02	Working towards a healthy longer working life Proposer: SC Ageing and Work
SS 03	Immunotoxicology in workplaces: Prevention, Early detection and Treatment Proposer: SC Allergy and Immunotoxicology
SS 04	Stress, sleep, cardiovascular autonomic disorders and health promotion Proposer: SC Cardiology in OH
SS 05	Development of Basic Occupational Health Services, more needed than ever 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)
SS 06	Great opportunities for online sources for education and information Proposer: SC Education and Training in Occupational Health and ICOH Communication and Information Task Group
SS 07	Occupational Health Services for all Proposer: SC Effectiveness in Occupational Health Services (EOHS)
SS 08	From the chemical massive disaster to the prevention Proposer: SC Emergency Preparedness and Response in Occupational Health and SC Occupational Toxicology
SS 10	Indoor air quality in modern office buildings Proposer: SC Indoor Air Quality and Health
SS 11	Respirable Crystalline Silica – exposure limits, measurements and control measures Proposer: SC Industrial Hygiene
SS 12	Mining occupational safety and health Proposer: SC Mining Occupational Safety and Health
SS 13	Preventing Tuberculosis (TB) and Lung Disease with Silica Dust Controls: The Case for Primary Prevention Proposer: SC Mining Occupational Safety and Health and SC Industrial Hygiene
SS 14	Preventing and Managing Occupational Shoulder Disorders Proposer: SC Musculoskeletal Disorders and SC Effectiveness in Occupational Health Services
SS 15	Occupational safety and health strategies for engineered nanomaterials: a model for emerging technologies Proposer: SC Nanomaterial Workers' Health
SS 16	Pesticide exposure: Understanding pathways of exposure and health outcomes to develop interventions to reduce exposure and improve safety Proposer: SC Neurotoxicology & Psychophysiology
SS 17	Is dermatitis the most frequent occupational disease? Epidemiology and prevention Proposer: SC Occupational and Environmental Dermatoses
SS 18	Strategies to address the increasing burden of Occupational skin cancer Proposer: SC Occupational and Environmental Dermatoses and SC Radiation and Work
SS 19	Sharing Solutions in Occupational Health: Best Practices from LMIC countries Proposer: SC Occupational Health and Development

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 ototoxicants 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)

DATE	KEYNOTE Session		
Sun. 6 February	Opening Keynote Health inequalities in the workplace <i>Sir Michael Marmot</i>		

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



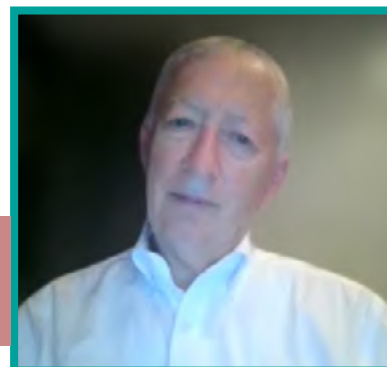
Emerging workplace health and safety threats – has the pandemic changed the trajectory?
Margaret Kitt, United States



Effectiveness of basic occupational health services in the informal sector
Hanifa Denny, Indonesia



Globalisation and the implications for worker health
Jorma Rantanen, Finland



The past as prologue: How the history of occupational illness and injury teaches us about today
Paul Blanc, United States



Preventing infectious diseases in the workplace
Franklin Muchiri, International Labour Organization (former)



The new WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury
Frank Pega, World Health Organization



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

SEMI-PLenary SESSIONS (CME)

DATE	TIME	SEMI-PLenary Presentations	Session Chairs
Mon. 7 February	08:15-09:00	Semi-Plenary 01 The Future of Work: Emerging Risks and Opportunities for Health and Well-Being <i>Sharon K. Parker - Australia</i>	Toru Yoshikawa, Japan
		Semi-Plenary 02 Child Labor in Conflict Settings <i>Rima R. Habib - Lebanon</i>	Won-Jun Choi, Rep. of Korea
Mon. 7 February	09:15-10:00	Semi-Plenary 03 Artificial stone and a new epidemic of silica-related diseases <i>Ryan Hoy - Australia</i>	Rafael De La Hoz, USA
		Semi-Plenary 04 The role and activities of public interest NGOs in promoting occupational safety and health <i>Jeong-ok Kong - Rep. of Korea</i>	Deborah Glass, Australia
Mon. 7 February	16:15-17:00	Semi-Plenary 05 Psychosocial risks, their management and the use of linked surveys <i>Irene Houtman - The Netherlands</i>	Norito Kawakami, Japan
		Semi-Plenary 06 Lessons learned for global occupational health from the COVID-19 pandemic and building forward better <i>Ivan Ivanov - Switzerland</i>	Alexis Descatha, France
Mon. 7 February	17:15-18:00	Semi-Plenary 07 What Kind of Mask Should Workers and the Public Wear for an Aerosol-Transmissible Infectious Disease? <i>Lisa M. Brosseau - USA</i>	Rosa Maria Orriols Ramos, Spain
		Semi-Plenary 08 The challenge of ensuring business sustainability during outbreak <i>Adolfo Hernández - Argentina</i>	Ruddy Facci, Brazil
Tue. 8 February	07:15-08:00	Semi-Plenary 10 Employment of people with mental illness: Challenges and solutions <i>A.M. Caroline Crosse - Australia</i>	Kari Reijula, Finland
Tue. 8 February	08:15-09:00	Semi-Plenary 11 The complex interface between occupational health, public health and travel medicine <i>Peter Leggat - Australia</i>	Seichi Horie, Japan
		Semi-Plenary 12 Occupational Health and Safety for Small-Scale Enterprises and the Informal Sector (in Southern Africa) <i>Rajen N. Naidoo - South Africa</i>	Mahinda Seneviratne, Australia
Tue. 8 February	09:15-10:00	Semi-Plenary 13 The development of mobile communication system and human health risks <i>Nina Rubtsova - Russian Federation</i>	Ivo Iavicoli, Italy
		Semi-Plenary 14 Occupational Health – Adding Value to Business <i>Shrinivas Shanbhag - India</i>	Olivier Lo, Singapore

DATE	TIME	SEMI-PLenary Presentations	Session Chairs
Tue. 8 February	17:15-18:00	Semi-Plenary 15 Reconciling epidemiological and toxicological data: some general principles and the example of firefighters <i>Tee L. Guidotti - USA</i>	Kate Jones, United Kingdom
		Semi-Plenary 16 Health care waste management and Occupational health - who cares for the carer? <i>Edith Essie Clarke - Ghana</i>	Gwen Brachman, USA
Wed. 9 February	08:15-09:00	Semi-Plenary 17 Preventing overwork related disorders “Karoshi” <i>Akizumi Tsutsumi - Japan</i>	Tim Driscoll, Australia
		Semi-Plenary 18 Quality assurance approach for basic occupational health services provided by Primary Care Units (PCUs) in Thailand, an example for others? <i>Orrapan Untimanon - Thailand</i>	Stefania Curti, Italy
Wed. 9 February	09:15-10:00	Semi-Plenary 19 How did mental health become a problem in working life? <i>Ari Väänänen - Finland</i>	Akihito Shimazu, Japan
		Semi-Plenary 20 Reform of Occupational Health Authority in China and its perspectives <i>Sun Xin - P. R. China</i>	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 <i>Ehi Iden - Nigeria</i>	Claudina Nogueira, South Africa
		Semi-Plenary 22 Occupational health for migrant workers in Spain, why does it matter? <i>Rocío de Diego-Cordero - Spain</i>	Antonio Valenti, Italy
Wed. 9 February	17:15-18:00	Semi-Plenary 23 Preventing Tuberculosis (TB) in health workers and silica-exposed occupations <i>Perry Gottesfeld - USA</i>	Antoon De Schryver, Belgium
		Semi-Plenary 24 Basic health care/family and workers’ health programs performed by occupational health professionals among vulnerable populations <i>Elizabeth Costa Dias - Brazil</i>	Kibor K. Keitany, Kenya

SPEAKERS



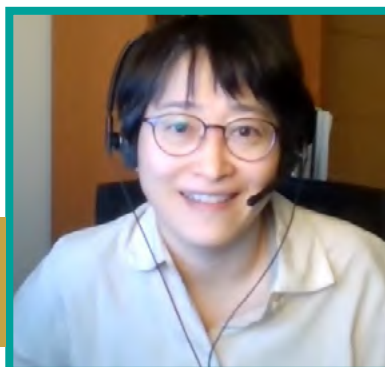
The Future of Work: Emerging Risks and Opportunities for Health and Well-Being
Sharon K. Parker, Australia



Child Labor in Conflict Settings
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



The development of mobile communication system and human health risks

Nina Rubtsova, Russian Federation



Occupational Health – Adding Value to Business
Shrinivas Shanbhag, India



Reconciling epidemiological and toxicological data: some general principles
and the example of firefighters
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Quality assurance approach for basic occupational health services provided by
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Sun Xin, P. R. China



OSH Regulations and Enforcement: Comparison Between LMIC and High-Income Countries
Ehi Iden, Nigeria



Occupational health for migrant workers in Spain, why does it matter?
Rocío de Diego-Cordero, Spain



Preventing Tuberculosis (TB) in health workers and silica-exposed occupations
Perry Gottesfeld, USA



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

ICOH 2022 Global Policy Forum (CME)

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.

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



ICOH 2022 33rd International Congress on Occupational Health

Global Policy Forum

Work as a key dimension of the COVID-19 pandemic: Sharing experiences and solutions in occupational health



Jukka Takala
ICOH



Joaquim Pintado
Nunes
International Labour
Organization



Ivan Ivanov
World Health Organization



Spo Kgalamono
Africa



Mai Anh
Luong
Asia



Sergio Iavicoli
Europe



Julietta Rodriguez
Guzman
Latin America



Margaret Hellard
Oceania and the Pacific

33rd INTERNATIONAL CONGRESS ON OCCUPATIONAL HEALTH

A long history of protecting workers' health

1906 MILAN

1910 BRUSSELS

1914 VIENNA

1925 AMSTERDAM

1928 BUDAPEST

1931 GENEVA

1935 BRUSSELS

1938 FRANKFURT

1948 LONDON

1951 LISBON

1954 NAPLES

1957 HELSINKI

1960 NEW YORK

1963 MADRID

1966 VIENNA

1969 TOKYO

1972 BUENOS AIRES

1975 BRIGHTON

1978 DUBROVNIK

1981 CAIRO

1984 DUBLIN

1987 SYDNEY

1990 MONTREAL

1993 NICE

1996 STOCKHOLM

2000 SINGAPORE

2003 IGUASSU FALLS

2006 MILAN

2009 CAPE TOWN

2012 CANCÚN

2015 SEOUL

2018 DUBLIN



ICOH 2022

33rd International Congress
on Occupational Health

GLOBAL DIGITAL CONGRESS

www.ich2022.net



www.ichweb.org

5. CONGRESS WEBSITE AND SOCIAL MEDIA

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:

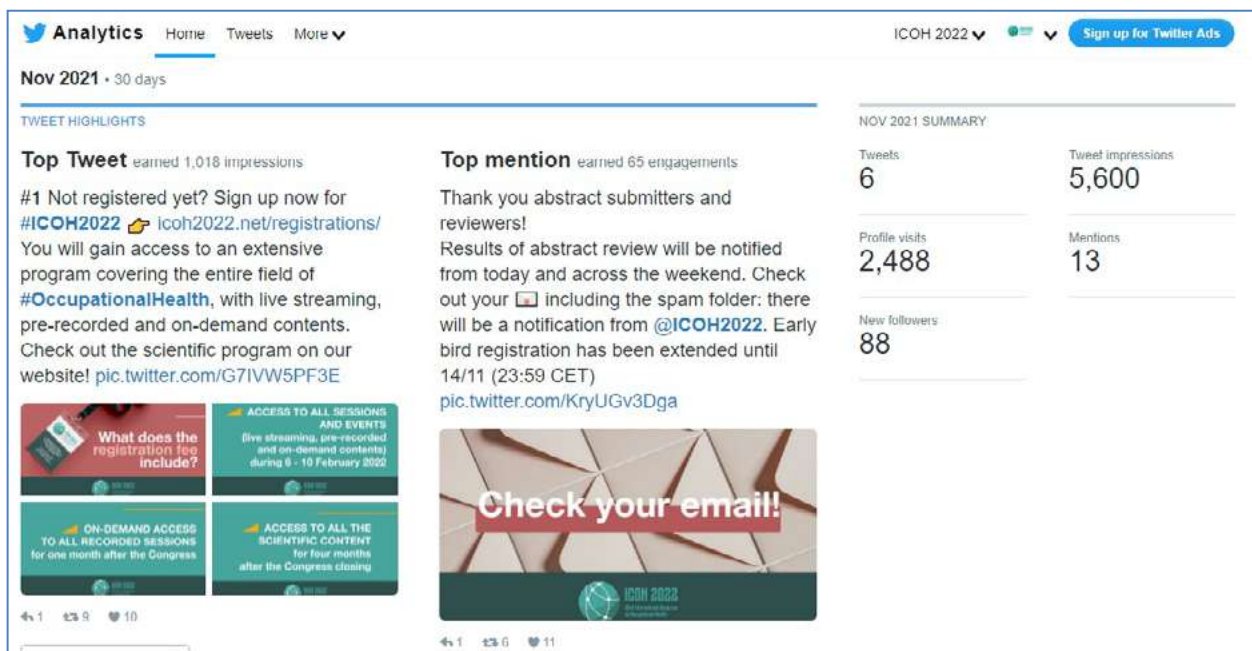
- Key dates
- Call for abstracts
- Registration fee
- Program overview and Scientific program
- EACCME® Accreditation
- How to live the digital experience



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).

Some numbers and insights
about ICOH 2022 on social media





...and about ICOH


















Your 5 Most Recent Posts

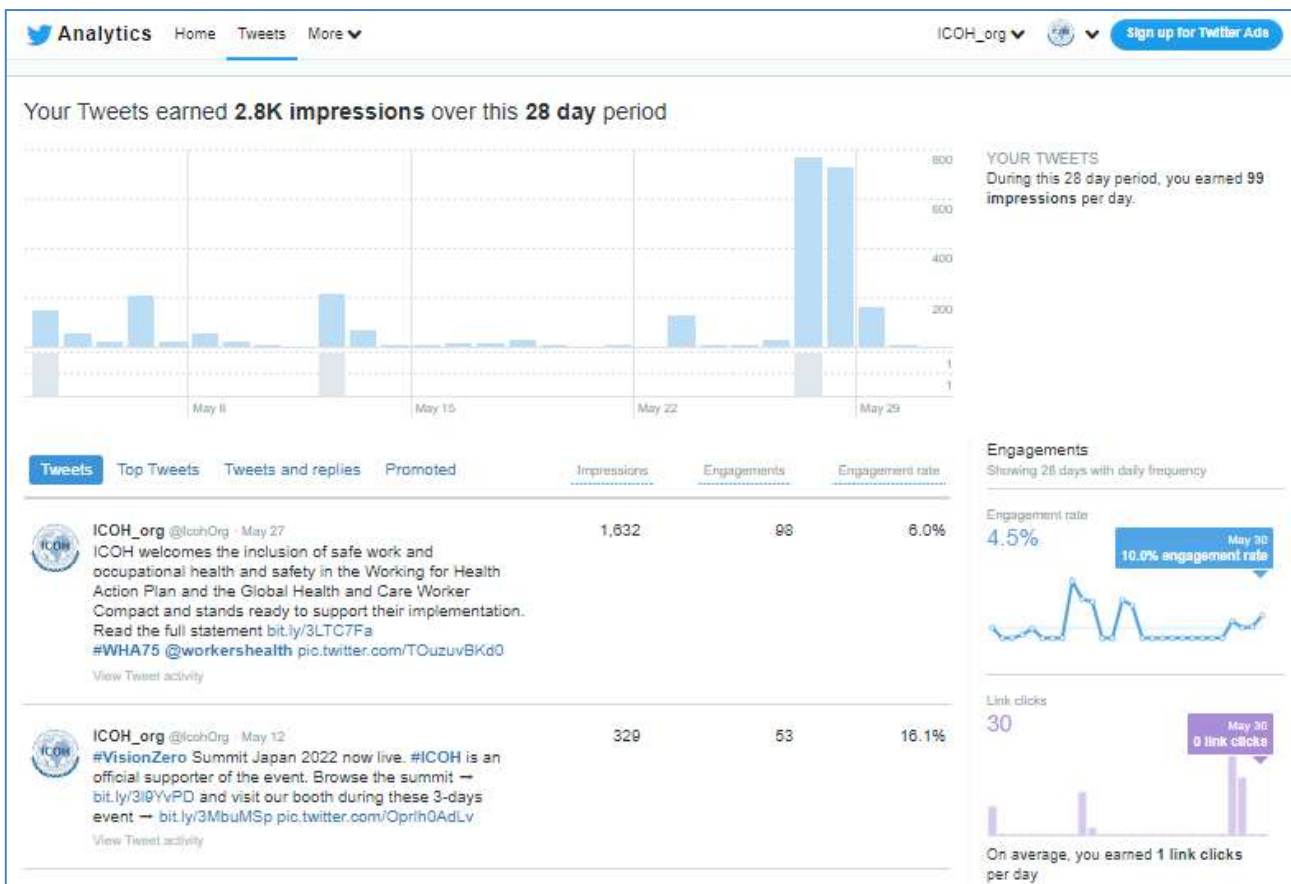
Create Post

Reach: Organic/Paid

Post clicks

Reactions, comments & shares

Published	Post	Type	Targeting	Reach	Engagement	Promote
27/05/2022 16:08	 <div>ICOH Statement delivered at the 75th World Health Assembly #ICOH</div>			<div>529</div> <div></div>	<div>35</div> <div>25</div> <div></div>	<div>Boost post</div>
12/05/2022 12:51	 <div>Vision Zero Summit Japan 2022 now live. #ICOH is an official supporter of</div>			<div>306</div> <div></div>	<div>19</div> <div>12</div> <div></div>	<div>Boost post</div>
03/05/2022 14:45	 <div>ICOH informs you about the event: "Meaning behind indicators of</div>			<div>279</div> <div></div>	<div>13</div> <div>13</div> <div></div>	<div>Boost post</div>
29/04/2022 10:13	 <div>We are pleased to announce the launch of the #ICOH MEMBERSHIP</div>			<div>929</div> <div></div>	<div>55</div> <div>44</div> <div></div>	<div>Boost post</div>
28/04/2022 09:04	 <div>World Day for Safety and Health at Work Ever since its foundation in</div>			<div>1.3K</div> <div></div>	<div>24</div> <div>63</div> <div></div>	<div>Boost post</div>

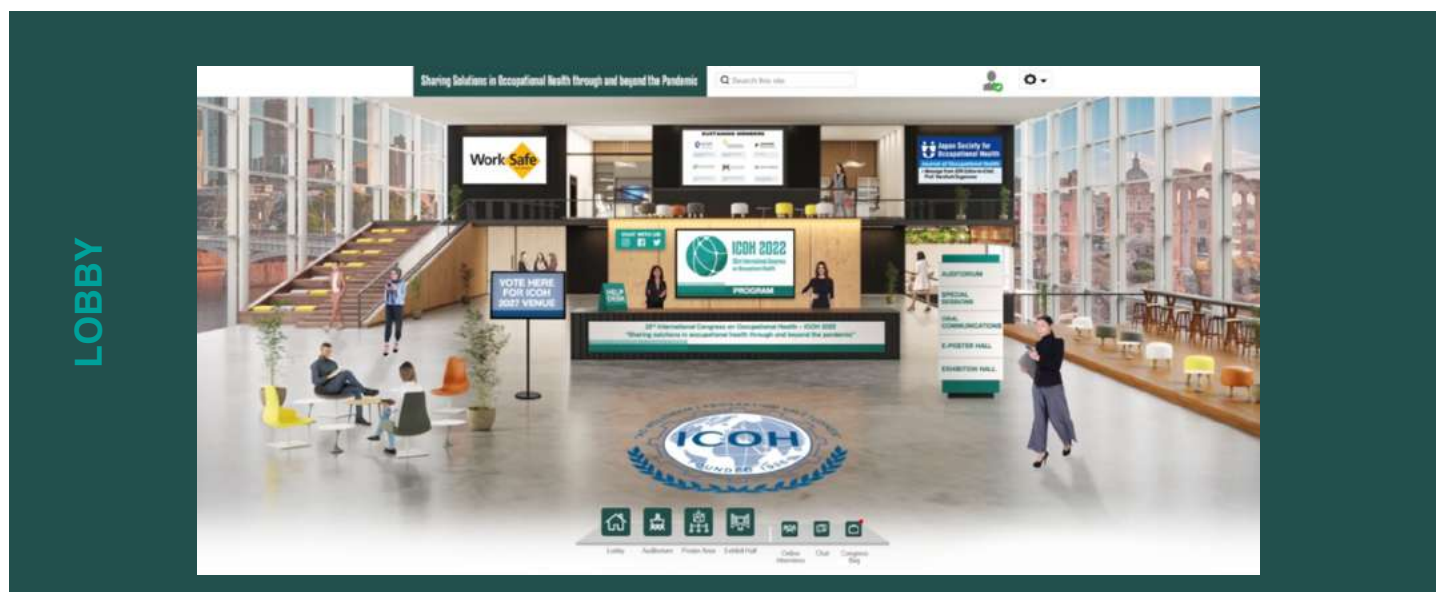


6. CONGRESS PLATFORM LAYOUT

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.

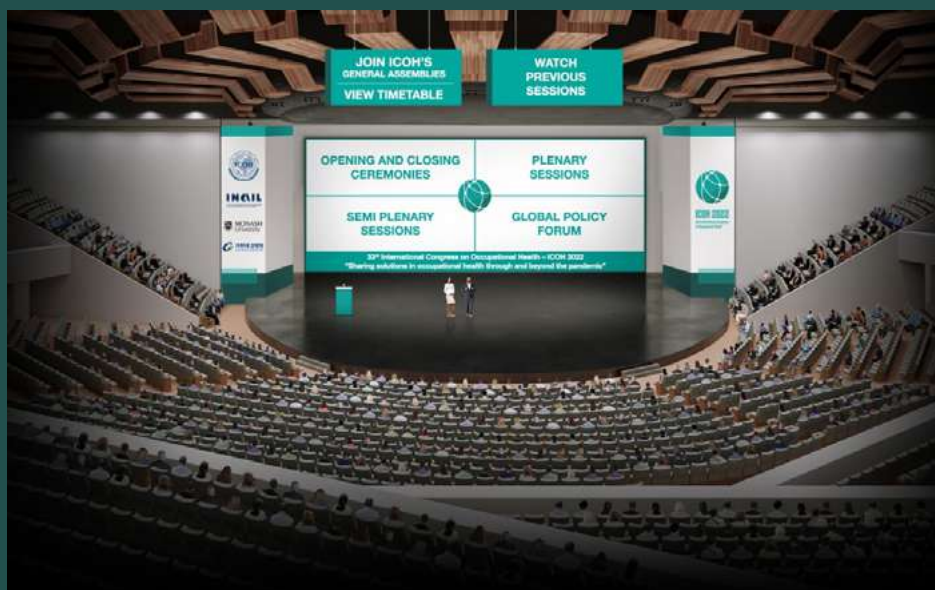


The Lobby allowed the attendee to:

- 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.

AUDITORIUM



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.

SPECIAL SESSIONS



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.

ORAL COMMUNICATIONS



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.

E-POSTER



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.

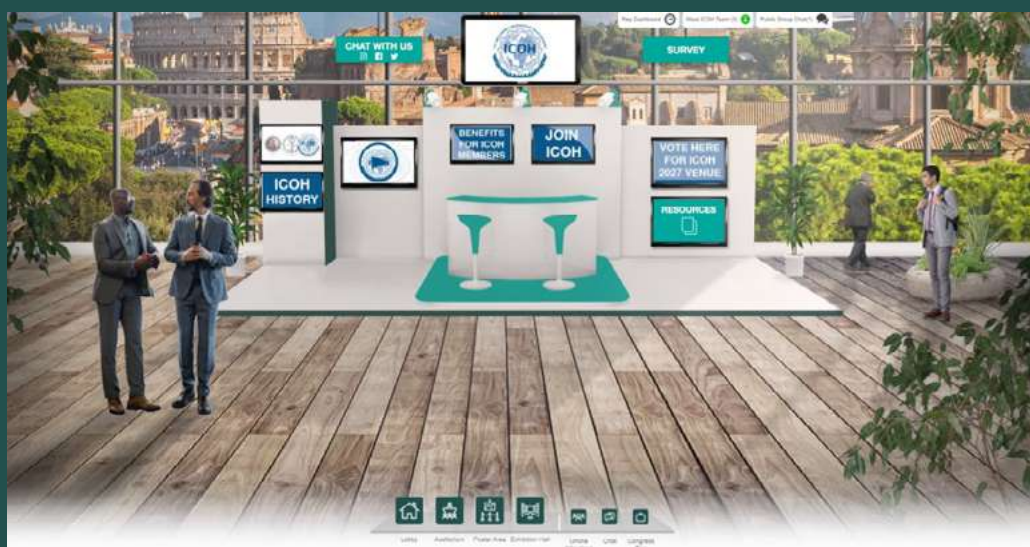
EXHIBITION HALL



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.

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.

ICOH 2022 PLATFORM DURING CONGRESS DATES (06/02/22 – 10/02/22)

1209

VISITORS ON THE CONGRESS PLATFORM

TOP 5 ON DEMAND VIEWS

560

Opening Ceremony & Keynote Session

459

Plenary 1 – Occupational cancer: Future opportunities and challenges

373

Plenary 3 – Mental health, sickness absence prevention and return to work

337

Semi-Plenary 1 – The Future of Work: Emerging Risks and Opportunities for Health and Well-Being

306

Plenary 2 – Occupational health: Challenges and solutions in the COVID-19 era

ICOH 2022 PLATFORM AFTER THE CONGRESS (11/02/22 – 03/03/22)

1231

VISITORS ON THE CONGRESS PLATFORM

1187

ON DEMAND CONTENTS VIEWED

7. ON-DEMAND PLATFORM



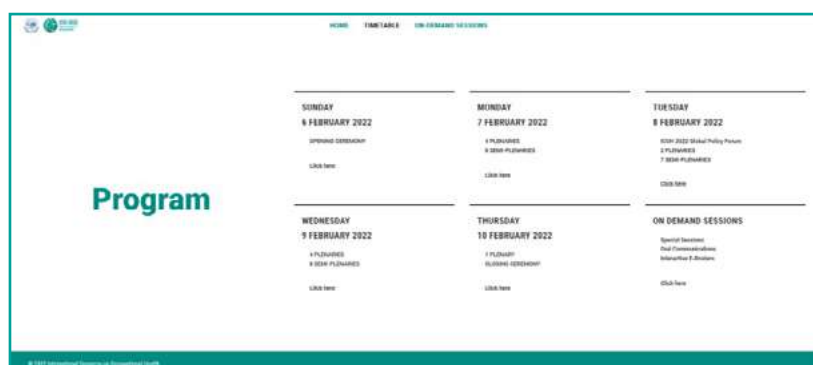
LOGIN PAGE

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.

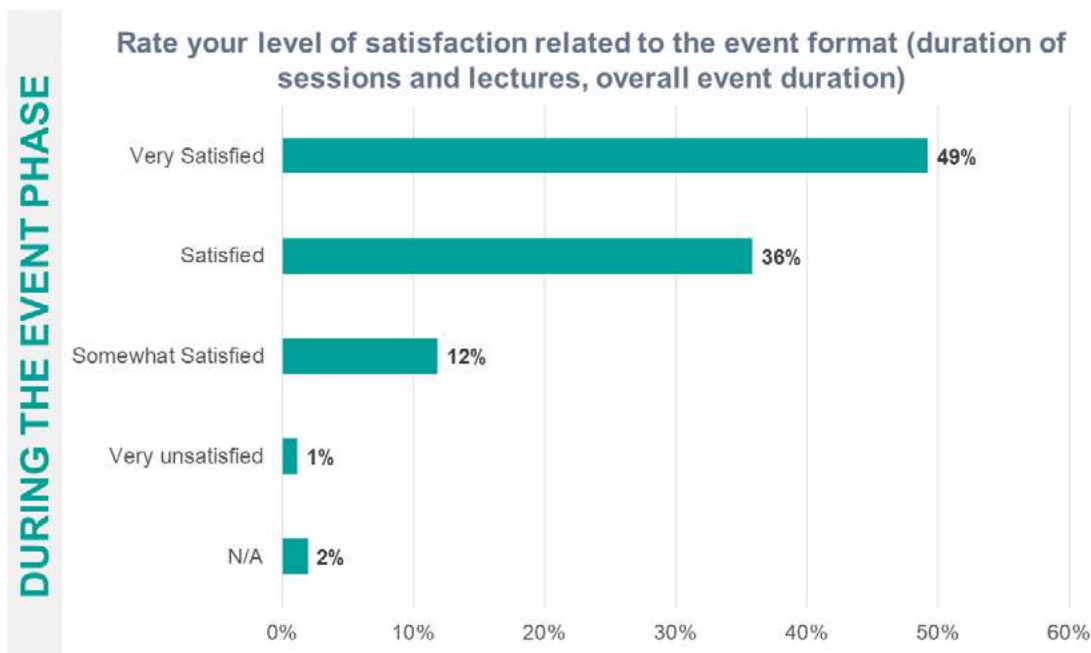
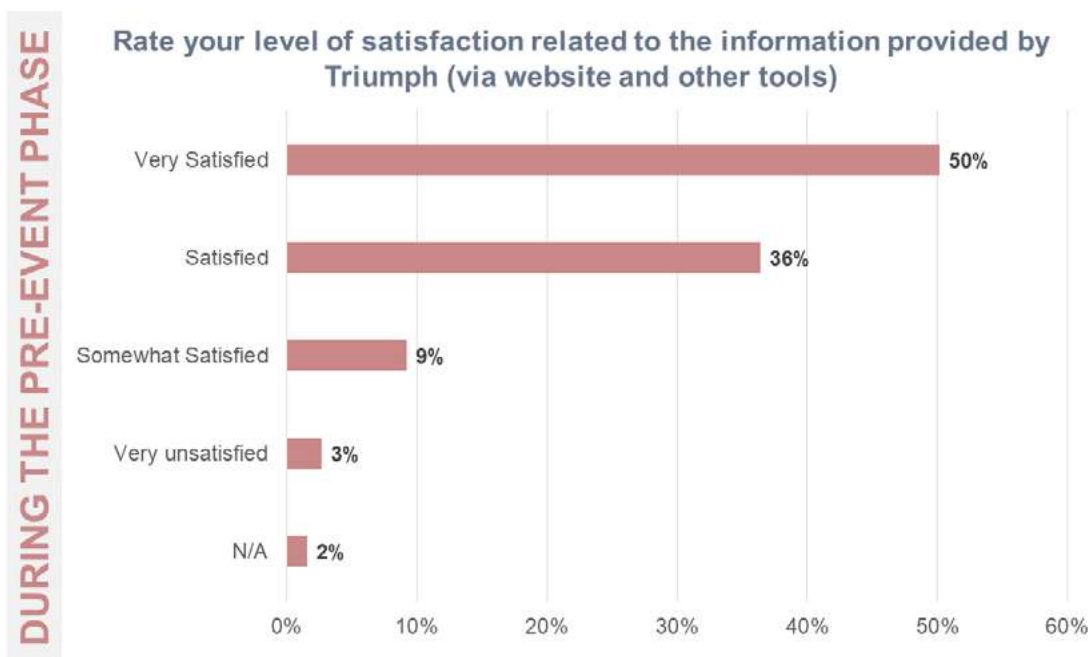


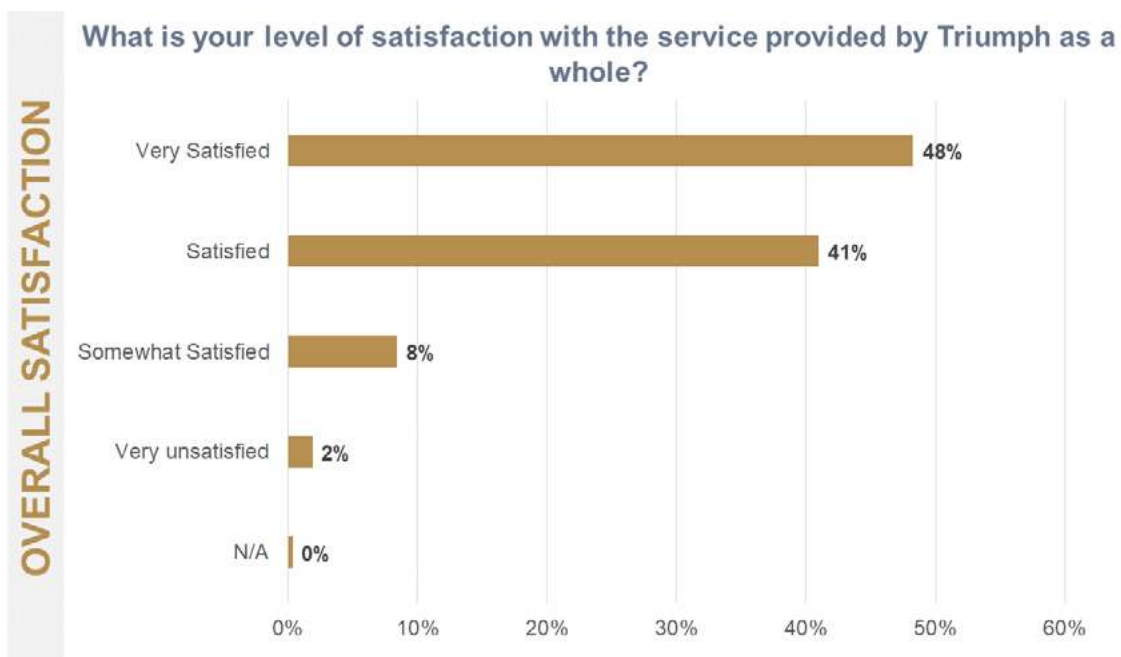
ON-DEMAND SESSION

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

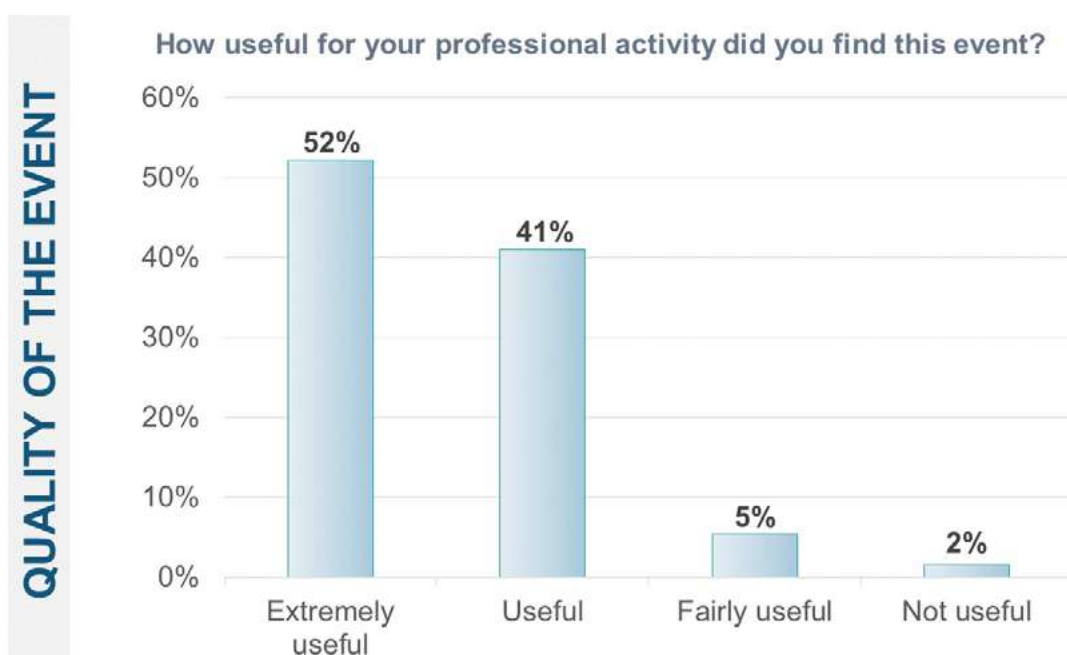




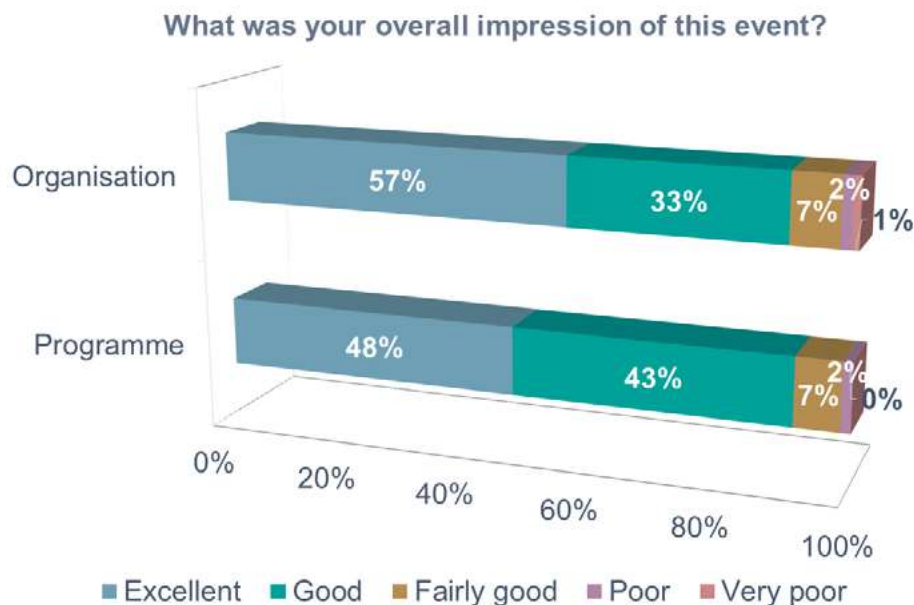
8.2 Some comments posted by participants about the realization of the Event

- 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®



QUALITY OF THE EVENT



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

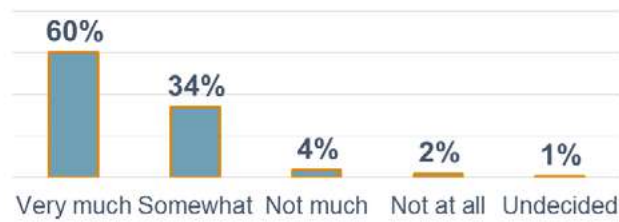
Q: What was the worst aspect of this event?

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

RELEVANCE OF THE EVENT

Did the event fulfil your educational goals and expected learning outcomes?

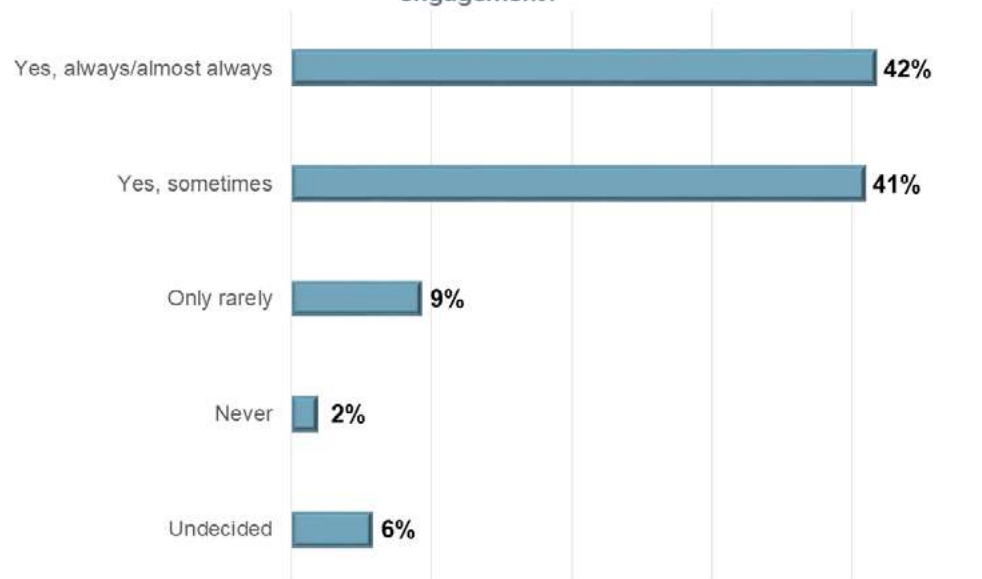


Was the presented information well balanced and consistently supported by a valid scientific evidence base?



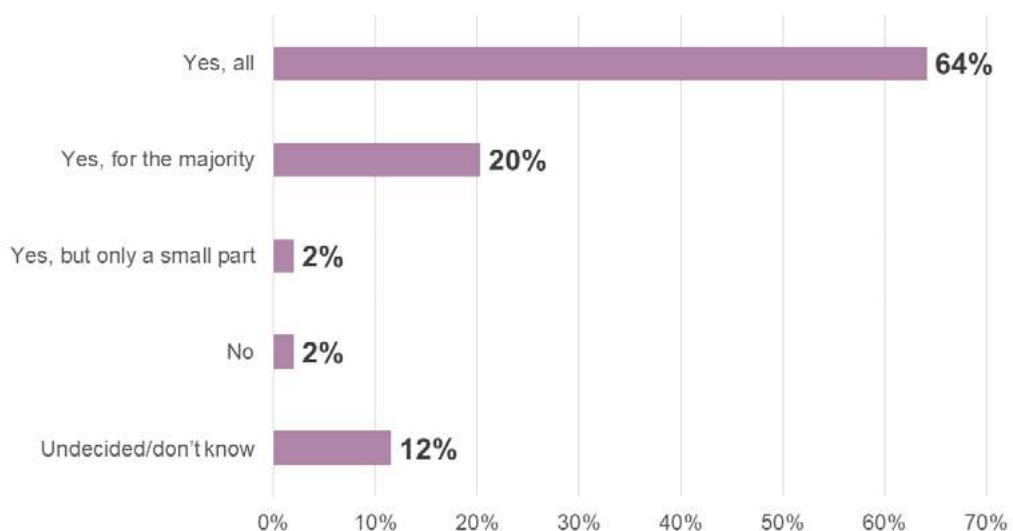
SUITABILITY OF FORMATS USED DURING THE EVENT

Was there adequate time available for discussions, questions & answers and learner engagement?



COMMERCIAL BIAS

Did all the faculty members provide their potential conflict of interest declaration with the sponsor(s) as a second slide of their presentation?



9. GLOBAL PARTNERSHIP FOR ICOH 2022



ICOH 2022
33rd International Congress
on Occupational Health

ICOH Secretariat General hosted by INAIL



INAIL
ISTITUTO NAZIONALE PER L'ASSICURAZIONE
CONTRO GLI INFORTUNI SUL LAVORO

Supporting institutions



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

Gold sponsor



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Japan Society for Occupational Health



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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.

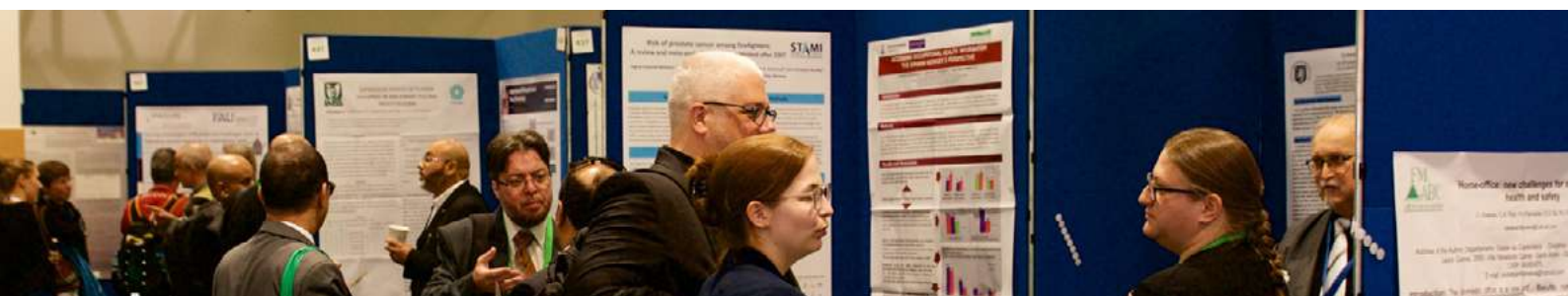
ICOH is recognized by the United Nations as a non-governmental organization (NGO) and has close working relationships with ILO and WHO. Its official languages are English and French. The most visible activity of ICOH is the triennial World Congress on Occupational Health, which is usually attended by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

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



**Enhancing Occupational Health
Research and Practices**
Closing the Gaps!

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www.icoh2022.net



For further information
please contact the ICOH
Secretariat General

icoh@inail.it



We all have the right to a safe workplace

Get the information you need at worksafe.vic.gov.au
Call 131 450 to speak to someone in your language.

Η ασφάλεια στον χώρο εργασίας είναι δικαίωμα όλων μας

Επισκεφτείτε την worksafe.vic.gov.au/greek για μεταφρασμένες πληροφορίες.
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หากต้องการพูดคุยกับ WorkSafe เป็นภาษาของคุณเอง กรุณาโทรหมายเลข 131 450.

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ដើម្បីនិយាយជាមួយ WorkSafe ជាភាសារបស់អ្នក សូមទូរស័ព្ទទៅកាន់លេខ 131 450។

