

Triennial Report 2015–2017



International Commission on Occupational Health
Commission Internationale de la Santé au Travail

Photos

ICOH Archives 10, 30, 50, 51, 63, 64

KOSHA 3, 4, 22, 23, 65

Ministry of Social Affairs and Health, Finland 15, 24

Photos have been taken in various meetings arranged by
ICOH and collective agreement has been received for using
them in ICOH publications.

Editing Suvi Lehtinen

Linguistic editing Alice Lehtinen

Layout Unigrafia

ISBN 978-88-943469-0-9 (print)

ISBN 978-88-943469-1-6 (pdf)

Helsinki, Finland 2018

Triennial Report 2015–2017

Contents

ICOH Board and Officers	4
Scientific Committee Officers	5
Task Groups and Working Groups	7
National/Area Secretaries	8
President's Report <i>Jukka Takala</i>	10
Report of the Secretary General <i>Sergio Iavicoli</i>	24
Report on ICOH Scientific Committees <i>Marilyn Fingerhut</i>	30
Report on Activities of ICOH National/Area Secretaries <i>Seong-Kyu Kang</i>	51
Editor's Report <i>Eun-A Kim</i>	65
Auditors' Report	68
Sustaining Members	82
Affiliate Members	83
ICOH2021	84

General Assembly Seoul 2015



ICOH General Assemblies
in Seoul



Closing Ceremony



ICOH Board and Officers – Triennium 2015–2017



(standing, left to right) Kari Reijula, Robert Orford, Seichi Horie, Martin Hogan, Christophe Paris, Dingani Moyo, Malcolm Sim, Edoardo Santino, Andrew Curran, Jukka Vuori
(seated, left to right) Claudina Nogueira, Rosa Maria Orriols Ramos, Kazutaka Kogi, Seong-Kyu Kang, Jukka Takala, Sergio Iavicoli, Marilyn Fingerhut, Monique Frings-Dresen, Elia Enriquez

Members of the Board

Prof. Andrew Curran, United Kingdom
Dr. Dag Ellingsen, Norway
Dr. Elia Enriquez, Mexico
Prof. Monique Frings-Dresen, The Netherlands
Dr. Mats Hagberg, Sweden
Dr. Martin Hogan, Ireland
Prof. Seichi Horie, Japan
Dr. Dingani Moyo, Zimbabwe
Ms. Claudina Nogueira, South Africa

Dr. Robert Orford, USA
Dr. Rosa Maria Orriols Ramos, Spain
Prof. Christophe Paris, France
Prof. Kari Reijula, Finland
Dr. Edoardo Santino, Brazil
Dr. Shrinivas Murlidhar Shanbhag, India
Ms. Maria Luisa Tupia Gonzales, Peru
Prof. Malcolm Sim, Australia
Prof. Jukka Vuori, Finland

President

Dr. Jukka Takala, Finland

Vice President

Dr. Marilyn Fingerhut, USA

Vice President

Prof. Seong-Kyu Kang, Republic of Korea

Secretary General

Prof. Sergio Iavicoli, Italy

Past President

Dr. Kazutaka Kogi, Japan

Scientific Committee Officers

SCIENTIFIC COMMITTEE	CHAIR	SECRETARY
Accident Prevention	Su Wang, UK	Peter David Griffin, UK
Aging and Work	Clas-Håkan Nygård, Finland	Jodi Oakman, Australia
Allergy and Immunotoxicology	Takemi Otsuki, Japan	Claudia Petrarca, Italy
Cardiology in Occupational Health	Alicja Bortkiewicz, Poland	Elzbieta Gadzicka, Poland
Education & Training in Occupational Health	Frank Van Dijk, The Netherlands	Marija Bubas, Croatia
Emergency Preparedness and Response in Occupational Health	Alexis Descatha, France	Michel Baer, France
Epidemiology in Occupational Health	Roel Vermeulen, The Netherlands	Neela Guha, France
Health Services Research and Evaluation in Occupational Health	Stefano Mattioli, Italy	Jani Henrik Ruotsalainen, Finland
History of Prevention of Occupational and Environmental Diseases	Leslie Nickels, USA † (deceased in November 2017)	Alfredo Menendez-Navarro, Spain
Indoor Air Quality and Health	Paolo Carrer, Italy	Peder Wolkoff, Denmark
Industrial Hygiene	Lena Andersson, Sweden	Hyunwook Kim, Republic of Korea
Mining Occupational Safety and Health	Erik Jørs, Denmark	Florencia Harari Freire, Sweden
Musculoskeletal Disorders	Monique Frings-Dresen, The Netherlands	Paul F.M. Kuijer, The Netherlands
Nanomaterial Workers' Health	Paul A. Schulte, USA	Ivo Iavicoli, Italy
Neurotoxicology and Psychophysiology	Kent Anger, USA	Markku Sainio, Finland
Occupational and Environmental Dermatoses	Swen Malte John, Germany	Sanja Kezic, The Netherlands

SCIENTIFIC COMMITTEE	CHAIR	SECRETARY
Occupational Health and Development	Diana Gagliardi, Italy	Dileep Andhare, India
Occupational Health for Health Care Workers	Ruddy Cesar Facci, Brazil	Gwen Brachman, USA
Occupational Health in Small-Scale Enterprises and the Informal Sector	Paula Naumanen, Finland	Mahinda Seneviratne, Australia
Occupational Health in the Chemical Industry (MEDICHEM)	Murray Coombs, South Africa	Kenneth A. Mundt, USA
Occupational Health in the Construction Industry	Knut Ringen, USA	Krishna Nirmalya Sen, India
Occupational Health Nursing	Susan Randolph, USA	Kim Davies, South Africa
Occupational Medicine	Timothy Driscoll, Australia	James Alexander Ross, Australia
Occupational Toxicology	Kate Jones, UK	Silvia Fustinoni, Italy
Radiation and Work	Fabriziomaria Gobba, Italy	Leena Korpinen, Finland
Reproductive Hazards in the Workplace	Pau-Chung Chen, Taiwan, China	Hsiao-Yu Yang, Taiwan, China
Respiratory Disorders	Rafael E. De La Hoz, USA	Thomas Kraus, Germany
Rural Health: Agriculture, Pesticides and Organic Dusts	Gert Van Der Laan, The Netherlands	Claudio Colosio, Italy
Shiftwork and Working time	Frida Marina Fischer, Brazil	Stephen Popkin, USA
Thermal Factors	Hannu Rintamäki, Finland	Shin-ichi Sawada, Japan
Toxicology of Metals	Roberto G. Lucchini, Italy	Natalia Urszula Pawlas, Poland
Unemployment, Job Insecurity and Health	Minha Rajput-Ray, UK	Kaisa Emilia Kirves, Finland
Vibration and Noise	Renata Sisto, Italy	Addler Quezada Palacios, Peru
Women Health and Work	Julietta Rodríguez-Guzmán, Colombia	Igor Jesus Bello, Venezuela

**SCIENTIFIC
COMMITTEE****CHAIR****SECRETARY****Work and Vision**Agueda Munoz Del Carpio
Toia, PeruMiguel Sergio Kabilio,
Australia**Work Disability Prevention
and Integration**Johannes Anema, The
Netherlands

William Stanley Shaw, USA

**Work Organisation and
Psychosocial Factors**

Stavroula Leka, UK

Akihito Shimazu, Japan

Task Groups and Working Groups

TASK GROUP**CHAIR**

Finance Committee

Elia Enriquez

Ethics and Transparency Committee

Malcolm Sim

Scientific Advisory Committee

Marilyn Fingerhut

Task Group on Information and Communication

Seong-Kyu Kang

Task Group on Constitution, Bye-Laws and
Guidelines

Jukka Takala

Task Group on Membership

Sergio Iavicoli

WORKING GROUP**CHAIR**

Working Group on Occupational Infectious Agents

Mary Ross

Working Group on Young Workers and Child Labour

Marilyn Fingerhut

Working Group on the Implementation of the
Global Strategy on Occupational Health for All with
a special reference to global ban of asbestos and
elimination of asbestos-related diseases

Kari Reijula

Working Group on Participatory Approaches in
Occupational Health

Ton That Khai

Working Group on Occupational Cancer

Jukka Takala

National/Area Secretaries

COUNTRY/AREA	NATIONAL/AREA SECRETARY
--------------	-------------------------

NORTH AMERICA

Canada	Anil Adishesh
Mexico	Arturo Juarez Garcia
USA	William Bunn

LATIN AMERICA

Argentina	Claudia Maria De Hoyos
Brazil	Rosylane Rocha
Chile	Marta Cabrera
Colombia	Gloria Villalobos
Panama	Orlando Pitti
Paraguay	Laura Flores
Peru	Renato Vargas Zegarra
Uruguay	Paula Viapiana
Venezuela	Maritza Rojas

EUROPE

Austria	Jasminka Godnic-Cvar
Belgium	Simon Bulterys
Bulgaria	Karolina Lyubomirova
Croatia	Milan Milosevic
Denmark	Inger Schaumburg
Estonia	Eda Merisalu
Finland	Jarmo Heikkinen
Germany	Volker Harth
Hungary	Barnabás Biró
Ireland	Thomas Donnelly
Italy	Alfonso Cristaudo
Montenegro	Rasim Agic
Norway	Jose Alfonso
Portugal	Teresa Pinto
Romania	Iliana-Carmen Busneag
Russian Federation	Angelika Bashkireva
Serbia	Jelena Davidovic
Spain	Luis Mazon
Sweden	Martin Andersson
The Netherlands	Judith Sluiter
United Kingdom	David Fishwick

President's Report

Dr. Jukka Takala



General

The ICOH 2015 Congress took steps to revitalize the efforts to reinforce international collaboration for improving health, safety and well-being at work and, in particular, for the adoption of the Seoul Statement on *'Development of Occupational Health Services to All'*. The ICOH Board further agreed on specific priorities and on the work plan for the 2015–2017 Triennium. These documents form the baseline for the progress of ICOH during the 2015–2017 Triennium.

This report presents a summary of ICOH activities undertaken during the June 2015–April 2018 Triennium. This printed version includes a number of hyperlinks. To view their full contents, please refer to the e-version of the report, which is available on the ICOH website. Detailed reports on various special activities by other Officers and the Editor of the Newsletter are also presented. The ICOH website and Newsletter issues may be consulted for further information.

Strategies and Seoul Statement 2015

Each of the 10 items listed in the Seoul Statement, the strategic action points of which are included in the insert table below, may need special attention. Some remarks referring to these items are presented below.

Under Item 1. Policies, ILO Convention No. 161 on Occupational Health Services has been ratified by two countries during this Triennium: Côte d'Ivoire and Gabon. So far, only 33 countries in the world have ratified the Convention, and many of the largest global economies are not included in these (<http://www.ilo.org/dyn/normlex/en/f?p=NORML-EXPUB:12001:0::NO::>). Of the EU-28 countries, only 10 have ratified, meaning that many major Member States have not done so. As a result, global and European Union interest has not been sufficient.

Under Item 2. *Implementation*, we have seen continuous interest in Basic Occupational Health Services. ICOH-promoted progress has been noted in several countries and regions. However, based on an ICOH survey (Rantanen et al. 2013), an average of only 15% of the global workforce is covered by at least basic services. Furthermore, even in countries in which the ILO Convention has been ratified, implementation is still not at an appropriate level.

Under Items 7 and 8. *Research, Collaboration and Networking*, a number of evidence-based efforts have been made to better estimate the magnitude of the problems. ICOH, the ILO, WHO, the EU and many ICOH Sustaining Member Institutions have joined forces to obtain further credible information. In addition, several ICOH colleagues have contributed to other international efforts; in particular, those of the Institute of Health Metrics and Evaluation, IHME.

Further details of these can be found below, under ‘Evidence’.

Under most other items of the Seoul Statement, a fair number of ICOH activities have been carried out and progress has been noted. The United States runs a continuous programme and campaign on Total Workers’ Health, Singapore has launched a Total Workplace Safety and Health programme, and research in many areas related to occupational health services has been carried out. However, we cannot be satisfied with the pace of progress and need to explore other avenues for enhanced action.

The Seoul Statement follow-up was launched already in 2015 by the organizers of the ICOH 2015 Congress: KOSHA and the Korean Society of Occupational and Environmental Medicine. A specific conference on the ‘Seoul Statement on Development of Occupational Health Services for All’ was arranged for the Seoul Statement in Gimhae, Republic of Korea in November 2015. Present and past ICOH presidents (Prof. Rantanen) were invited.

ICOH has continued to support and participate in the production of training materials for the implementation of Basic Occupational Health Services (BOHS) together with the ILO and WHO activities in developing countries.

Under the last item, Item 10. *Follow-up*, I would encourage ICOH members to discuss and obtain a better global review of the Seoul Statement action at the Dublin Congress in 2018.

Progress on ICOH Strategies and Priorities

1. Evidence on death, disability and disease

The Board agreed on strategies for the ICOH Triennium that included the major headings ‘Evidence, Ethics and Engagement’, of which the accomplishments so far are divided below according to priorities and items in the plan of action. These complement the strategies and priorities of past Triennia.

The burden caused by work-related diseases, disorders and injuries appears to be continuing to grow. In many, and in particular, industrialized countries, the burden is gradually shifting from traditional injuries and more easily identified short-term negative outcomes to long latency diseases at work. This trend is also becoming visible in middle-income countries, but in poorer parts of the world it is difficult to see significant progress, and working conditions are often very poor.

The total death and disability figures at work are increasingly influenced by several facts:

- Improved living conditions mean a longer life, longer exposures and a higher number of long latency disorders.
- Knowledge and recording of work-related causes has improved.
- Continuous globalization moves industries and jobs to locations in which it is economically advantageous to produce materials and services, i.e. poorer countries. This results in millions of new and unskilled workers being recruited for new jobs – often those that were already dirty, dangerous and demanding in the industrialized countries.
- Protection, health and safety measures, policies and enforcement, occupational health services are failing to follow these rapid movements.

ICOH has succeeded in having an impact on many of these processes and has participated in international and national activities by

- creating collaboration, such as close contacts with the ILO and WHO (see below),
- contributing to the Global Burden of Disease and Injury estimates (see below),
- contributing to and directing global cost estimates due to poor working conditions and environment,
- contributing to regional and national fact finding, engagement and collaboration, and
- acting through Scientific Committees, WGs and TGs (see specific reports).

2. Collaboration with the ILO and WHO





2.1 Promotion of health and safety at work and prevention of occupational diseases

ICOH continues to be an officially recognized NGO for both the ILO and WHO. Collaboration with both organizations has been very active through various fora and events.

ICOH supports the ILO Global Strategy on Occupational Safety and Health (2003), the ILO Conventions on Occupational Safety and Health, and the WHO Plan of Action for Workers' Health (2007) in collaboration with relevant international organizations.

Further, ILO Convention No. 187 has been specifically designed for promotional efforts which are close to the ICOH mandate. This Convention concerns practically all items of the Seoul Statement. Earlier key conventions have relied on more traditional, although highly important measures, including Labour Inspection (No. 81), the 'Framework' Convention on Occupational Safety and Health (No. 155) and the Occupational Health Services Convention (No. 161).

Table 1. Strategic action points of the Seoul Statement

			
<p>1. Policies Every government in collaboration with social partners should, as a part of their stewardship, draw up necessary regulations, strategies and programmes for national policies on occupational health and occupational health services by using the international guidance provided by the ILO Convention No. 161, Recommendation No. 171 on Occupational Health Services and the WHO Global Strategy on Occupational Health for All. Such policy should aim at the provision of services for all, with full coverage without exclusion of any group or sector of work life.</p>	<p>2. Implementation Implementation of occupational health policies should be based on legislation, with appropriate governance structures, well-defined rights and responsibilities, establishment and strengthening of the occupational health system and respective infrastructures, and sufficient resources and financing for services. Special measures, multiple service provision models, including primary health care, and support should be developed for organization of occupational health services for small-scale enterprises, the self-employed and the informal sectors. Public occupational health services should be provided for the underserved sectors. Where front-line services are of limited scope, mainly occupational medicine and nursing, they should be reinforced by secondary level support services.</p>	<p>3. Content and activities The content and activities of occupational health services at the workplace level include prevention and management of physical, chemical, biological and ergonomic factors, prevention of occupational diseases and injuries, prevention of excessive work load, and work life constraints, promotion of health and work ability, rehabilitation and return to work, as well as first aid and rescue services. Such services should be adjusted to the needs of various groups of workers, including young, female, ageing and migrant workers and various types of vulnerable groups.</p>	<p>4. Human resources, competence and expertise Governments should ensure the availability of sufficient human resources for the effective delivery of occupational health services. Where possible, the occupational health service team should be multidisciplinary, covering several types of expertise, such as occupational medicine, occupational health nursing, ergonomics, occupational hygiene, psychology and accident prevention, rehabilitation and return to work. In cases, where multidisciplinary services may be difficult to organize and sustain, the basic occupational health service (BOLHS) approach and preventive risk prevention and locally adapted methods may be used.</p>
<p>3. Promoting and education In line with the ILO Convention No. 161, special competence and training are needed for provision of competent occupational health services. Governments should ensure appropriate and updated training and education curricula for occupational health personnel. International standards and model curricula should be developed for occupational health personnel. Depending on national conditions the training could be organized at universities or other relevant institutions.</p>	<p>6. Sharing information and good practices Effective exchange and dissemination of information on all aspects of occupational health should be promoted and encouraged, and good practices and guidelines should be shared via international collaboration between occupational health professional bodies, international and Non-Governmental Organizations, WHO, ILO and ICOH and other relevant institutions and associations. Dissemination of this knowledge should be supported by international and national expert communities, employers, workers and governmental organizations.</p>	<p>7. Research Appropriate and adequate research support should be structured for the production of evidence based information for the development of occupational health systems, methods and good practices, training and education. Longstanding international experience has shown that research is best supported and sustained when it is nested in the National Institute of Occupational Health, or respective centre of excellence in the country.</p>	<p>8. Collaboration and networking National collaboration To ensure sufficient coordination and exchange of information within countries, continuous dialogue should be maintained and close and regular collaboration between occupational health and general health services, with occupational safety and health, social security institutions, social partners (employers and workers) and academia should be encouraged. Networking between all involved in the development of occupational health, including occupational health service providers, is also recommended.</p>
<p>4. Human resources, competence and expertise Governments should ensure the availability of sufficient human resources for the effective delivery of occupational health services. Where possible, the occupational health service team should be multidisciplinary, covering several types of expertise, such as occupational medicine, occupational health nursing, ergonomics, occupational hygiene, psychology and accident prevention, rehabilitation and return to work. In cases, where multidisciplinary services may be difficult to organize and sustain, the basic occupational health service (BOLHS) approach and preventive risk prevention and locally adapted methods may be used.</p>	<p>3. Promoting and education In line with the ILO Convention No. 161, special competence and training are needed for provision of competent occupational health services. Governments should ensure appropriate and updated training and education curricula for occupational health personnel. International standards and model curricula should be developed for occupational health personnel. Depending on national conditions the training could be organized at universities or other relevant institutions.</p>	<p>5. Commitment The organizers and participants of the ICOH 2015 Congress declare commitment for collaboration and support for all parties, national and international, professional and governmental in their efforts for the organization of competent occupational health services for all workers across the world.</p>	<p>7a. Follow-up It was agreed to follow up and evaluate the implementation of this Statement and results be presented to the forthcoming 32nd International Congress on Occupational Health, ICOH 2018, which will be organized in Dublin, Ireland.</p>

2.2 World Day for Safety and Health at Work

ICOH issued its statement and presented it to the ILO on the occasion of the World Day for Safety and Health at Work on 28 April 2016, to reinforce its collaboration with the ILO and its member countries. ICOH's main message was to issue a call related to the World Day topic set by the ILO:

The International Commission on Occupational Health, ICOH, calls for action to manage stress and psychosocial risks factors at work. As individual workers around the world are affected we should concentrate on measures at the level of workplace or organization.

2.3 Collaboration in the World Congress on Safety and Health at Work, in Singapore

The ILO, in collaboration with the International Social Security Association (ISSA) organized the 21st World Congress on Safety and Health at Work on 3–6 September 2017 in Singapore.

Based on a direct request by the ILO, a multi-member coalition was established under ICOH co-ordination to form new Global Estimates on Occupational Accidents and Work-related Diseases. The European Union and, in particular, the European Agency for Safety and Health at Work, EU-OSHA had simultaneously proposed to estimate the economic costs of the burden caused by unsatisfactory health and safety leading to death, disease and disability.

Based on multipartite discussions, a team consisting of the ILO, ICOH, EU-OSHA, the Ministry of Social Affairs and Health in Finland, the Ministry of Manpower of Singapore, the Workplace Safety and Health Institute of Singapore, and the Finnish Institute of Occupational Health (FIOH) undertook this task. Key data sources were WHO and the ILO. ICOH managed the overall scientific co-ordination of the project, which consisted of some 15 individuals. The key contributors were Finnish and Singaporean researchers from ICOH.

The outcomes of the Global Estimates were released by the ILO Director General during the Congress Opening Session and were referred to by the media all over the world:

- An estimated 2.78 million deaths in 2015
- 2.4 million deaths caused by work-related diseases and the rest by occupational accidents
- Global economic costs were $2.96 * 10^{12}$ USD, equal to 3.94% of the global GDP.

Selected outcomes have been posted on the ICOH website and more details are available at

<http://www.icohweb.org/site/news-detail.asp?id=131>.



From left: Minister P. Mattila (FI), DG M. Servoz (EU), Dr J. Takala (ICOH), DG G. Ryder (ILO), Dr C. Sedlatschek (EU-OSHA), Dr K. Straif (IARC/WHO), Vice Minister S. Huashan (China), Prof. S. Iavicoli (ICOH), and Secr. Gen. H.H. Konkolewsky (ISSA)

2.4 ICOH/WHO collaboration plan for the period 2017–2019

During its 140th session in January 2017, the WHO Executive Board reviewed the report on ICOH/WHO collaboration for the period 2014–2016, as well as the new ICOH/WHO collaboration plan (developed in consultation with the WHO Team for Occupational Health) for the period 2017–2019, and decided to retain official relations between ICOH and WHO.

The planned collaboration includes the production of relevant documentation on occupational health, fostering scientific knowledge in this domain, and promoting safer and healthier workplaces at regional and global levels, and supporting the organization of the 11th Meeting of the WHO Global Network of Collaborating Centres, to be held in conjunction with the ICOH 2018 Congress in Dublin, Ireland.

2.5 Detailed collaboration activities with WHO and ILO

ICOH has joined several physical meetings with the ILO and WHO in Geneva and maintained constant communication with both, by

- expressing continuous interest in collaboration,
- promoting specific programmes, such as a substantial emphasis on occupational cancer,
- working together in and for several conferences and events, such as providing detailed estimates for the ILO Asian Regional Conference in December 2016, and participating in the WHO/Ministry of Social Affairs and Health conference in Finland,
- making plans for collaboration between ICOH and WHO and the ILO for WHO Collaborating Centres, and ILO programmes,

- working on 2017 Global Estimates and Economic Cost Estimates for ILO (see above),
- joining a WHO/ILO/ICOH initiative to enable enhanced and joint future global figures, (meetings held in Geneva and Rome so far),
- contributing to the second meeting in Turin on occupational health and safety knowledge promotion arranged by the ILO,
- working for some time to harmonize diagnosing, recording and reporting occupational diseases on the basis of the new List of Occupational Diseases established by the ILO. A working meeting was organized in Milan in mid-2017 under the patronage of Dr. Claudio Colosio and the University of Milan. The finalization of the diagnosing criteria is underway.
- A new initiative began in late 2017 to establish a new Coalition on OSH in the wake of the recent project successes of Global Estimates and Costs. The most recent meeting was held in Geneva in November 2017 and included WHO (Dr. M. Neira, Dr. I. Ivanov), the ILO (Ms. N. Leppink), the Ministries of Finland and Singapore, the European Commission (Mr. Olsson), EU-OSHA (Mr. Cockburn), and ICOH (J. Takala). A new Concept Note proposed by the ILO includes a Steering Committee that has three standing members, the ILO, WHO and ICOH, and others could be invited to join. ICOH has proposed the inclusion of selected activities. Progress will be monitored.

3. Dialogue and engagement including NGOs

Institutional collaboration between ICOH Sustaining Members and Affiliate Members needs further revitalizing. Although a number of contacts, meetings, conferences and discussions have been held, we need to plan how the collective members can be better linked to ICOH action.

Contacts were maintained and enhanced, projects planned and discussions held with

- the Danish Institute, at which institute leaders and many ICOH Sustaining Members from a number of countries were present (Sheffield Group, PEROSH).
- national institutes and related bodies: NIOSH, the Finnish Institute of Occupational Health, the WSH Institute in Singapore, the Japan Institute. This included contributions to the Industrial Health Journal, Malaysian NIOSH and their conference, the IFA German Institute and DGUV (German Statutory Accident Insurance System) conference, and ILO, WHO, ISSA, bilateral and multilateral discussions.
- the International Social Security Association (ISSA), participation in meetings and conferences, planning the ILO-ISSA Congress, including joining the ISSA Vision Zero Campaign and collaboration for and renewal of [the Memorandum of Understanding](#).
- the International Association of Labour Inspection ([IALI](#)). A new Memorandum of Understanding and continuous collaboration with the IALI management was signed.

- European Union Institutions: the European Agency for Safety and Health at Work (EU-OSHA), on the economic costs of poor health and safety at work, updating the European estimates of occupational accidents and work-related diseases, visualization of data; the European Commission, including the Director General on Employment, Social Affairs and Inclusion, discussions related to exposure limit values, occupational cancer, and the forthcoming conference on Ageing at work in Florence; and the European Trade Union Institute (ETUI) on occupational cancer, conferences and meetings. For the European Union Presidency Conference on Occupational Cancer, see the ICOH Report on the Working Group of Occupational Cancer.
- the Sheffield Group of Institute Directors, which arranged a Meeting in Tokyo in June 2017 for which ICOH had prepared a full morning discussion on how to enhance collaboration with a global view. Most Sheffield Group institutes are also ICOH Sustaining Members.
- a new ICOH Sustaining Member, The International SOS Foundation, which arranged a Conference on Travel Health and Safety in Berlin in June 2017. Work outside a person's home country is becoming increasingly important, and similar organized measures can and should be taken for workers on both long and short work assignments.

Affiliate Members organized congress keynotes and joint meetings with national associations, ICOH National Secretaries and local ICOH Members:

- The Indian Association of Occupational Health (IAOH) organized the 66th OCCUCON Congress in Bangalore, see www.OCCUCON.com and later the 67th OCCUCON in New Delhi.
- The Brazilian National Association of Occupational Medicine (AN-AMT) Congress in Brazil, '[Congresso Nacional ANAMT](#)', including a large number of Latin American ICOH members and National Secretaries, interview in [REVISTA PROTEÇÃO](#) (in Portuguese).
- The Colombian Society of Occupational Medicine (Sociedad Colombiana Medicina del Trabajo) arranged the '*36^o Congreso Colombiano de Medicina del Trabajo y Salud Ocupacional 2016*' in Cartagena, including extensive discussions with the Latin American ICOH Members and National Secretaries present.
- The Guatemalan Association of Occupational Medicine organized a Latin American Congress in Antigua in October 2017. A National Secretaries' Meeting for Latin American NSs was also held in connection with this.
- The Portuguese Occupational Medicine Society 'Sociedade Portuguesa de Medicina do Trabalho' organized an International Forum in which ILO and ICOH participated, in November 2017.

Other similar contacts were maintained by ICOH Vice Presidents and the Secretary General (e.g. Qatar, see the Report of the Secretary General).

Other Institutions

- Detailed scientific meetings were held with the Institute of Health Metrics and Evaluation (IHME), which is in charge of the Global Burden of Disease and Injury, GBD process, at the University of Washington, Seattle, USA. Detailed discussions with NIOSH, OSHA and IHME management were held to understand and better contribute to this process and to enhance the GBD estimates related to occupational risks. As a result, several ICOH members have published very comprehensive papers in *The Lancet*. This data is available at <http://vizhub.health-data.org/gbd-compare/>
- The IHME's latest outcome GBD2016, in which ICOH contributions are visible, was published in September 2017. The outcome related to occupational risks was 1.5 million deaths – as compared to ILO's estimated 2.8 million. IHME estimated the corresponding Disability Adjusted Life Years (DALYs) for the world as 76 million – while the ILO estimate was 123 million DALYs for somewhat wider occupational risk factors. The methodologies of each are closely related, but the IHME's coverage is so far limited. For example, IARC's probable carcinogen class 2A is not yet covered by IHME and a very limited amount of occupational cardiovascular factors and deaths are included at present. For the carcinogens and diseases that were analysed and estimated by both IHME and the ILO, the methods are comparable and in line with the two estimates. The ongoing WHO/ILO/ICOH collaboration will address the missing components and other issues in the future.
- The Institution of Occupational Safety and Health (IOSH) requested support in several areas, an international [Roundtable on Silica](#) including industry, trade unions, government (HSE), ICOH and experts in occupational health and safety research. IOSH has estimated that 6900 deaths are caused by silica-related occupational cancer in the European Union and 28 000 deaths globally (GBD estimates are even higher). Furthermore, the IOSH Annual Congress was supported by an ICOH [keynote in London](#) and tight connections exist between ICOH and the IOSH global campaign on occupational cancer entitled '[No Time To Lose](#)'. The IOSH President was also invited to the ICOH-organized 'Symposium on Prevention of Occupational Cancer' during the World Congress in Singapore in September 2017.
- SUISSE+PRO in Switzerland arranged a multi-expertise and multi-organizational occupational safety and health [conference in Bern](#), which was attended by health experts, safety experts, hygienists, physiotherapists, ergonomists, and human factor experts and representatives of other disciplines.
- [EPICOH Congress](#) in Barcelona, organized by the ICOH Scientific Committee on Epidemiology was an opportunity to find the latest up-to-date evidence and exchange of views with 600 participants.
- The EU's Senior Labour Inspectors Committee, SLIC, arranged a meeting and Thematic Day on Occupational Safety and Health. The

EU Presidency Country Estonia asked ICOH for a [keynote presentation](#) on occupational health in November 2017.

- Discussions with practical collaboration with International Occupational Hygiene Association, the IOHA and the International Ergonomics Association, IEA are underway in terms of meetings, congresses and knowledge sharing of these organizations and communication with ICOH.
- ICOH is looking forward to further contacts with the World Organization of Family Doctors, WONCA, in connection with the ICOH Dublin Congress.

4. Progress of ICOH Information, Knowledge sharing and Communication

The ICOH Newsletter has been published regularly and has acted as a key channel of communication between ICOH and its members, including Sustaining and Affiliate members. The Korean KOSHA, under the leadership of Dr. Eun-A Kim, still does the editorial work. This Newsletter contains much detailed and useful information, and complements this Report.

The ICOH website www.icohweb.org has made great steps towards providing actual data and information sources on line. The enhancement of this work will continue in the forthcoming Triennium.

The use of social media resources for communicating ICOH developments has been gradually increasing, and there is great potential to further expand these activities. ICOH is globally well known and properly recognized by key organizations of occupational health and safety, but the audience could be wider, and social media would be a useful tool to achieve this.

ICOH Congresses 2018 and 2021

The arrangements for the ICOH 2018 Dublin Congress are going well and are now being finalized. The large number of abstracts and papers proposed have led to expectations of a high number of participants and an excellent programme. The Scientific Committees have worked closely on the scientific programme together with the Irish Royal College of Physicians, Prof. Martin Hogan and Dr. Ken Addley in particular.

As in previous Congresses, a special effort has been made to support the participation of members from developing and transitory countries in the Congress. The following organizations and experts have financially supported the participation of the members from these countries in the ICOH 2018 Congress:

International Commission on Occupational Health

Local Organizing Committee of 2018 ICOH Dublin Congress

Korea Occupational Safety and Health Agency, KOSHA,
Republic of Korea

Finnish Association of Occupational Health Nurses, Finland

Japan Society of Occupational Health, Japan

Individual donation (Bonnie Rogers, Seong-Kyu Kang).

The Congress plans for ICOH 2021 Melbourne are progressing well under the ample leadership of Prof. Malcolm Sim. Several discussions and meetings have been held.

5. Progress of the ICOH Code of Ethics

Today, the new revised version of the ICOH Code of Ethics is available in many languages other than the official ones (English and French): Portuguese, Spanish, Italian, Chinese, Japanese, Turkish, Korean, Greek and Estonian. All translations are available for consultation on the ICOH website www.icohweb.org. These works are the result of a process carried out by dedicated Working Groups, which made an important contribution to the dissemination of the Code.

Detailed information on the progress of the ICOH Code of Ethics and its dissemination and translation plan are also included in the Report of ICOH Ethics and Transparency Committee.

6. Summary of finance issues and membership development

The economic development of ICOH has been stable thanks to the coordinated effort of the Secretary General, the ICOH Secretariat and the Finance Committee. ICOH finances have been in balance as both incomes and expenses are in line with expectations.

Intensive efforts have been made to increase ICOH membership and strengthen information activities following the actions of the previous Triennium. See special reports for further details.

On the issue of identifying new solutions for action programmes and for funding enhanced action, two developments have been noted:

1. The stable new coalition between the ILO, WHO, the EU, ICOH and others interested has begun well, progress has been made and follow up continues. Possible funding may be linked to support through the ILO-administered Vision Zero Fund and other contributions from developed UN Member States.
2. Some interested institutions have been approached in Canada and Canadian members of ICOH have initiated discussions. These will be followed up.

7. Conclusion

The implementation of ICOH plans and priorities is progressing well in terms of engagement and excellent connections with the key organizations, in particular, the ILO and WHO. However, the Dublin Congress and new ICOH bodies should discuss

- how we can better collaborate with ICOH institutional, sustaining and affiliate members,
- how to further improve visibility and public access, and the interest in ICOH and its knowledge and information,
- how to have an enhanced impact on policy-makers, for example, in institutionalizing occupational health services,
- how to further strengthen ICOH membership, for example, extending accessibility and equity on a global basis; taking more actions to improve the inclusion of young professionals in the ICOH network, and
- the best avenues for influencing key institutions, WHO and ILO in particular, in mainstreaming ICOH proposals and key agenda items to further safety, health and well-being at work, ethically and based on evidence.

8. Acknowledgements

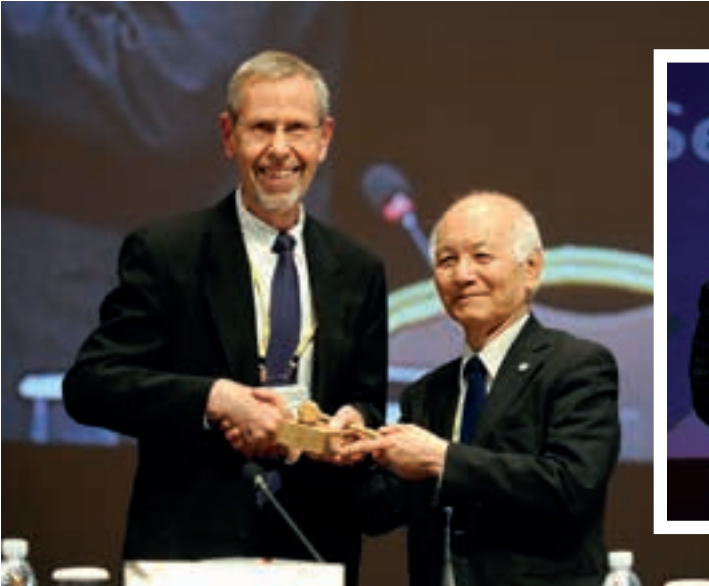
We would like to thank our respected international partners, the ILO and WHO, and our sister professional NGOs, IOHA, IEA, ISSA and other co-working NGOs, as well as the numerous national, regional and international institutions and associations that collaborate with us in the development of international and national occupational health.

We are extremely grateful to the Italian Workers' Compensation Authority (INAIL) and the Department of Occupational and Environmental Medicine, Epidemiology and Hygiene for providing the ICOH office with invaluable institutional support. We are also grateful to the Korea Occupational Safety and Health Agency (KOSHA), Seoul, for supporting the regular publication of the ICOH Newsletter.

The Leadership of ICOH owes its sincere thanks to the Members of ICOH, including our Sustaining and Affiliate Members, for all activities during the Triennium. Special thanks are extended to the Board Members of ICOH for their continuous support and constructive working relationships during the Triennium. We also thank the Chairs and Secretaries of Scientific Committees and the Chairs and Members of the Board Committees, Task Groups, Working Groups and all the National/Area Secretaries.

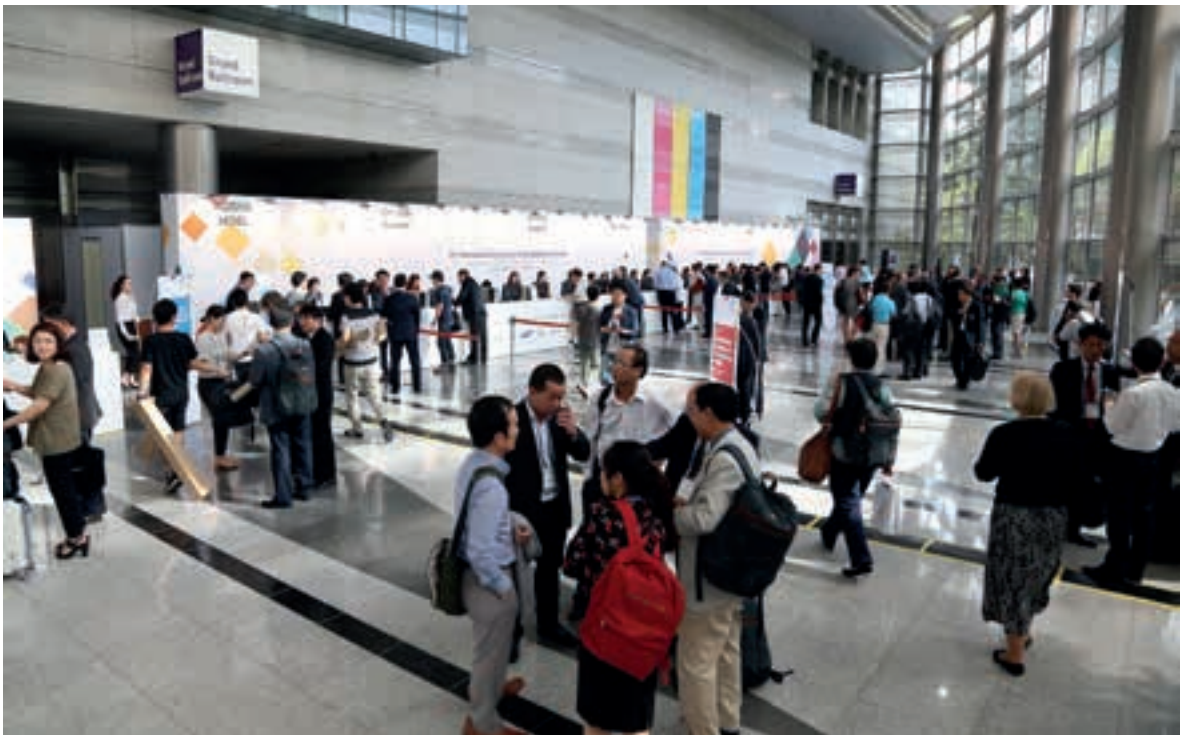
Finally, allow me to express my sincere thanks to ICOH Past President, Dr. Kazutaka Kogi for his full support of ICOH. My special thanks go to Vice Presidents, Prof. Seong-Kyu Kang in charge of National/Area Secretaries, and Dr. Marilyn Fingerhut in charge of Scientific Committees. Our Secretary General, Prof. Sergio Iavicoli and his team have made an outstanding impact on ICOH through practical management and financial and logistics operations. The editor of the ICOH Newsletter, Dr. Eun-A Kim also deserves our warm thanks for her most effective and always timely services to ICOH.

Dr. Kazutaka Kogi and Dr. Lee, Yuong Soon presenting the Seoul Statement.



Professor Jerry Jeyaratnam received the ICOH Lifetime Achievement Award.





Report of the Secretary General

Professor Sergio Iavicoli

ICOH Secretariat: 2015–2017 Triennium

The current Triennium has mainly focused on the work and activities of the ICOH Secretariat consolidated during the previous term.

The Secretariat activities targeted the members' recruitment campaign, the implementation and constant updating of the ICOH website tools, and the relationships with Scientific Committees and National Secretaries, while assuring the daily management of an NGO which numbers over 1900 members from 96 countries, and is in an official relationship with the ILO and WHO.



Membership

The total number of ICOH members in good standing for the current Triennium is **1976** (+2.8% with respect to the membership at the end of the previous Triennium). The results achieved in the 2015–2017 Triennium in terms of retention and recruitment of membership are remarkable, and in line with the trend of the last Triennia. The major outcome was the increase of members from developing countries. One of our priorities remains the monitoring of the average age of ICOH members. The number of young members has increased in comparison to the trend of the previous Triennium.

The membership figures as of 31 December 2017 are displayed in Table 1 below.

Table 1. ICOH membership as of 31 December 2017.

Membership Type	No. as of 31 December 2017
Individual members in good standing	1914
Honorary	25
Collective members in good standing	
Affiliate	17
Sustaining	20
TOTAL	1976

The 12 leading countries in ICOH membership are displayed in Table 2.

Table 2. ICOH members in good standing per country.

Country	No. as of 31 December 2017	Country	No. as of 31 December 2017
USA	119	Finland	71
Japan	118	Australia	59
Italy	117	Mexico	56
Peru	103	Rep. of Korea	55
India	100	South Africa	52
Brazil	83	France	48

The major results are:

- Since the ICOH 2015 Congress, 577 people applied for membership; of these, 535 completed the process and became new ICOH members.
- The average age of new ICOH members is 45.7 years. The continuous efforts to reduce the average age are producing the expected results.
- The number of Sustaining members increased to 20, five of whom joined ICOH for the first time.

Table 3. ICOH individual members (active and retired) per age, as of 31 December 2017.

Age	No.	Industrialized Countries	Developing Countries
< 30	39 (2.3%)	11	28
30–33	78 (4.6%)	26	52
> 33	1535 (90.5%)	737	798
unspecified	44 (2.6%)	24	20
TOTAL	1,696	798	898

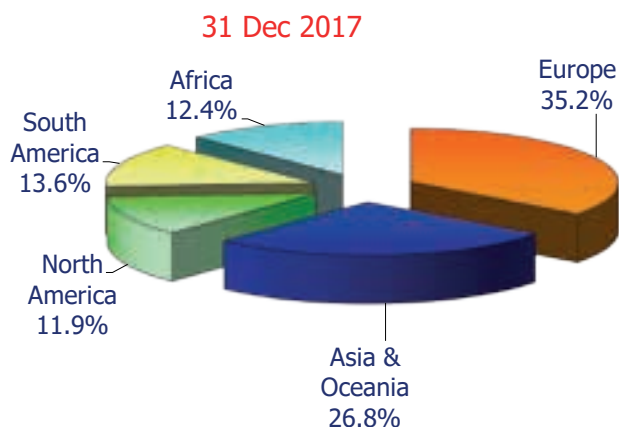


Figure 1. Geographical distribution of ICOH members.

The main improvements achieved by the Secretariat General during the Triennium were:

The new fee system

The new fee system was approved by the General Assembly during the ICOH 2015 Congress and was adopted for the current Triennium on an experimental basis. The fees were hanged in order to increase accessibility for developing countries, considering the changes in the global economy. The proposal was to extend benefits for retired and young members to all countries, while the previous fee system conceded benefits to only the categories from industrialized countries. The most important innovation was that the countries were divided into three groups based on their GDP per capita: countries with a GDP below 5000 USD; countries with a GDP between 5000 and 15 000 USD; and countries with a GDP of 15 000 USD or more. As a result of these changes, the geographical distribution of members in good standing was: 47% from high-income countries; 22% from middle-income countries; 31% from low-income countries.

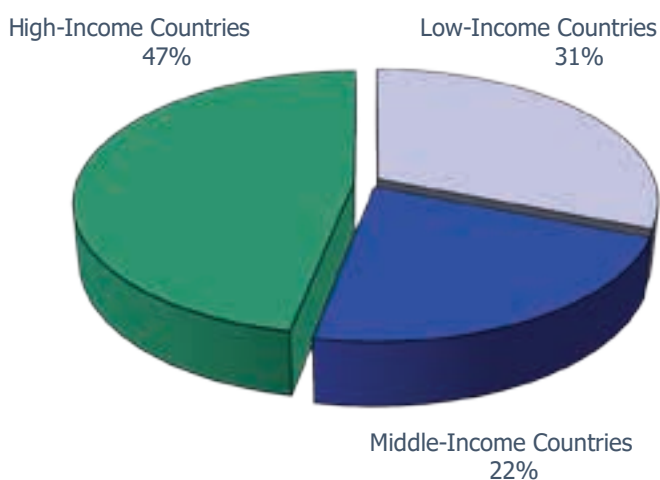


Figure 2. Distribution of ICOH members in the three categories.

ICOH young members' recruitment and benefits

The 2015 General Assembly agreed to reduce the age of young members from 35 to 33. In addition, according to the new fee system, three different young members' fees were applied on the basis of the member's country GDP per capita. After these changes, the young members in good standing for the current Triennium represented 13.8% of all members. These data show a substantial increase from the membership data of the previous Triennium, according to which young members made up 9.8% of the whole membership.

Young members represent a priority in the ICOH strategy. Therefore, many benefits have been developed to meet their needs, such as student poster sessions organized during the ICOH Congresses, ICOH awards for papers presented by young scientists, and the publication of the award-winning paper in the ICOH quarterly Newsletter. A concrete, successful example is the Student Poster Competition, which has been traditionally held during the ICOH Congresses since 2009. During this congress session, international students of occupational health have the opportunity to showcase their original research and interact with occupational health professionals.

Over the last Triennia, benefits tailored to young members from developing countries have also been introduced. On the occasion of the 31st ICOH Congress, a partial fellowship to attend the ILO Master in OSH was granted to two ICOH candidates from developing countries who presented a scientific contribution to the ICOH 2015 Congress. This positive experience will be repeated at the ICOH 2018 Dublin Congress. The Master course in Occupational Safety and Health is organized by the University of Turin, Italy, in partnership with the International Training Centre of the International Labour Organization (ITC-ILO), the International Labour Office (ILO) and ICOH.

Membership recruitment campaign – Case studies

During the 2015–2017 Triennium, the collaboration among Scientific Committees, National Secretaries and the Secretary General made it possible to experience new, positive actions in recruiting members from developing countries. Adopting this synergetic approach systematically for most ICOH events would highly increase membership, as in the case of Peru and Nepal.

- *International workshop on 'WORK AND VISION', 5–6 December 2016, Arequipa, Peru*

The ICOH Scientific Committee on Work and Vision organized an International Workshop on Work and Vision on 5–6 December 2016 in Arequipa-Peru. Prof. Iavicoli was invited as the ICOH Officer for the conference. His participation was important in order to increase ICOH's visibility at the national level and reinforce the ICOH mission. The visit to Peru also gave him the opportunity to express appreciation to the Peruvian ICOH OSH community for their commitment to ICOH.

- *Meeting with National Secretary for Nepal, 4–6 February 2017, Kathmandu, Nepal*

On 4–6 February 2017, Prof. Iavicoli arranged an ad-hoc visit to Kathmandu, Nepal – one of the poorest and least developed countries in the world – to meet the ICOH National Secretary for Nepal of Triennium 2012–2015, Dr Sunil Kumar Joshi. The aim of the meeting was to discuss possible joint actions in order to reactivate ICOH's Nepalese membership, not least because after the terrible 2015 earthquake, none

of the previous members renewed their membership. The meeting was very productive, and nine Nepalese members were able to reactivate their membership thanks to NORO funds.

Further activities

ICOH survey

One of the major strategic goals of the second part of the Triennium was the development of a specific survey addressed to all members in order to investigate the contribution of ICOH to OSH at national and international levels, and members' satisfaction with ICOH scientific activities, benefits and tools, etc. The preliminary results will be presented at the ICOH 2018 Congress in Dublin.

Voting procedure and evaluation of the electronic vote

The introduction of the electronic vote was proposed at the second General Assembly held in Seoul on 5 June 2015, and the ICOH Secretariat was charged with the task of exploring such a possibility through a deep analysis of regulatory and procedural levels of action. The ICOH Constitution (Art. 5, Section 1) has to be changed in order to introduce the electronic vote. These amendments were approved by the ICOH Board during the last mid-term meeting. They will be proposed to the ICOH 2018 General Assembly for final approval, and if approved, will be in force from the beginning of the next Triennium. On the procedural side, the Officers agreed to implement a hybrid system that combines a postal and electronic vote on an experimental basis in order to guarantee accessibility to whole membership.

Special measures were adopted for the 2018–2021 elections: an earlier shipment of the ballot, National Secretaries' notification after the ballot shipment along with members' addresses and support in case of delay in the receipt of the ballots, and a mid-term reminder to all voters.

Representation at national and international meetings

The Secretary General participated as the ICOH representative in many national and international meetings. At the national level, the Secretary General was involved in ICOH meetings organized by the Italian National Secretary and other events promoted by Scientific Committees or attended by ICOH members. At the international level, the Secretary General participated in meetings and conferences that were strategic for implementing both the ICOH 2015–2018 triennial work plan and the ICOH triennial collaboration plan with the World Health Organization (WHO).

On 11–13 October 2015, Prof. Iavicoli attended the *Employee Health and Wellbeing Conference* held in Doha, Qatar. On this occasion, the ICOH Secretary General drew attention to the *ICOH Statement on Qatar 2022 World Cup and migrant workers* adopted on 23 July 2015.

On 14 March 2017, the *International Conference on 'Active Ageing: From research to action oriented policies'* was held in Florence in conjunction with the ICOH Mid-term Meeting. The conference was jointly organized by INAIL and ICOH, in collaboration with the Municipality of Florence, with the aim of addressing the problems related to the active ageing of the working population. The event was attended by about 350 participants and gathered highly representative speakers who stimulated a very productive and high-level discussion on how to link current knowledge to the efficient designing and development of increasingly effective sector policies.

During the *World Congress on Safety and Health at Work* held in Singapore on 3–6 September 2017, the Finnish Minister of Social Affairs and Health announced an initiative to create a new Global Coalition on Safety and Health at Work. This project was strongly supported by the Director General of the ILO. WHO, ICOH, the European Union and the European Social Partners responded positively to the ILO call and offered their support for the creation of a global coalition. Another relevant outcome of the World Congress was the launch of the first global 'Vision Zero' campaign to improve safety, health and well-being at the workplace, with the aim of drastically reducing occupational accidents and diseases, and investing in a healthy and motivated workforce. ICOH adhered to the Vision Zero campaign as a partner of ISSA, with which ICOH has a memorandum of understanding in force.

External and internal communication

Internal and external information activities are crucial for any organization. Our internal information channels include the ICOH website, the Newsletter and the information disseminated through the scientific publications by our members.

In 2015, the ICOH Secretariat restyled the website, introducing a more modern layout and concept, improving readability, and offering users a series of useful widgets. Among the actions undertaken for the continuous updating of the ICOH website, the ICOH Secretariat implemented the Scientific Committees section, in close collaboration with Vice President Dr Fingerhut. The aim of this further development of the SCs' public page and virtual office was to facilitate information exchange, to share results among SCs and to encourage internal collaboration. Promotional materials are constantly updated and a new ICOH brochure was developed.

Acknowledgements

The ICOH Secretary General expresses his sincere thanks to all members of ICOH, including our Sustaining and Affiliate Members, for their stimulating inputs and support. Special thanks also go to the staff of the ICOH Secretariat for their continuous support and assistance.

Report on ICOH Scientific Committees

*Dr. Marilyn Fingerhut
Vice President*



Introduction

This Triennium Report summarizes the key activities of the 37 Scientific Committees during the 2015–2017 Triennium. Each

Scientific Committee prepared a Final Triennial Report, and these are posted in the Scientific Committee 'Reports and Events' section in the Scientific Committee Virtual Office.

Status and Activities of the Scientific Committees 2015–2017

During the Triennium there were 37 active Scientific Committees (SCs). The SCs have worked diligently and collaboratively, generating quality scientific work and products. The details can be found in their individual final reports. Thirty six of the 37 SCs have organized or participated in at least one conference, resulting in 96 conferences offered globally during this period (Attachment 1). Many SCs have jointly co-sponsored conferences and other activities with other SCs. The SCs have been very active in their work to develop partnerships, collaboration and products with other entities and organizations. Many SCs undertook efforts to recruit new members, especially younger members, supporting ICOH's goal. Many SCs also reported the individual publications of their members. SC Cardiology in Occupational Health reported that 63 scientific papers were published by its members, winning the prize for the most reported papers. Reported publications are provided in the SC Mid-term and Final Triennium Reports, which are posted for each SC in the SC Virtual Office. Attachment 2 lists some SC Publications involving many SC members.

Scientific Committee Contributions to the ICOH 2018 Congress www.icoh2018.org

The 32nd ICOH Congress will be held in Dublin from 29 April to 4 May. More than 1700 attendees have registered. During the Triennium, all 37 SCs were highly engaged in identifying and recommending Plenary and Semi-plenary speakers for the Congress. Ten Plenary and 32 Semi-plenary presentations are scheduled. The development of most of the 198 scientific afternoon sessions was primarily the responsibility of the SCs. Ninety-four of the 106 Special Sessions involving invited speakers were organized by the 37 SCs (Attachment 3). SC members also peer reviewed about 1500 abstracts submitted by attendees for acceptance as oral papers or posters. Seventy-two Oral Abstract sessions have been organized by the SCs (Attachment 4), and more than 600 posters will be displayed in the exhibit hall of the Convention Centre.

The ICOH Vice President for SCs is responsible for organizing the ICOH2018 Student Poster Competition, which will be chaired by Dr. Su Wang, Chair of SC Accident Prevention, assisted by Garrett Burnett of NIOSH. Seventy-six Student Posters were accepted. Therefore, 40 volunteer judges are being sought from the ICOH Board, SCs and National Secretaries to judge four posters, ensuring two judges for each poster. Each student is assigned one day during which they must be available at their poster for interviews by judges during the coffee and lunch breaks. Monetary prizes for the winners will be provided by ICOH, a Sustaining ICOH Member, the International Institute of Risk and Safety Management (IIRSM), and Cardinus Risk Management.

Scientific Committee Webspaces and Virtual Office

Appreciation is expressed to the ICOH Secretariat and Web staff who support the ICOH website at www.icohweb.org. They update the SC information for each SC on the SC public webpage <http://www.icohweb.org/site/scientific-committees.asp>. A new feature of the ICOH SC public webpage is the addition of a 'Description of the Scientific Committee' before the names of the SC Chair and Secretary. This is in place for the 15 SCs that have provided descriptions. For 17 SCs there are also links to their SC-managed websites.

Provision of Forms, Guidelines, and Communications for Scientific Committees in the ICOH Virtual Office for Scientific Committees

The ICOH Secretariat and the Web staff maintain the Virtual Office for Scientific Committees at <http://www.icohweb.org/site/member-corner-scientific-committees-virtual-office.asp>. A new component is the 'Events and Reports' section, which separately lists the reports prepared by each SC as well as upcoming SC events. The intention is to provide information for other SCs and to encourage collaborations. The SC Virtual Office also contains templates for all reports required of the

SCs. The ICOH SC Vice President sends Quarterly Communications to the SC Chairs and Secretaries to update information on current events and to remind members about reports and other required activities. These communications are also located in the SC Virtual Office.

ICOH allows each member to belong to only three SCs. A new system is in place to allow members to leave certain SCs and to join others. In the Member 'Virtual Office Personal Profile' it is now possible to click the 'Remove' button to request removal from an SC. Members belonging to fewer than three SCs can use the 'Join' button to join another SC.

Mid-term Meeting of ICOH Officers, Board and Scientific Committee Chairs

The Mid-term Meeting was held in Florence, Italy in March 2017. Thirty-one SC Chairs were present to discuss ongoing progress and plans for future activities. In addition to the large joint group sessions, breakout Discussion Sessions attended by Board and SC Chairs were held on three topics. The summary points are listed below.

1. Integration and Collaboration among SCs
2. SC Outputs
3. Continuity and Resource Management

1. Integration and Collaboration among SCs

Suggestions for changing the operation of SCs and making them more relevant to members:

- Make SCs available for members to consult experts on specific issues
- Twitter, Wikipedia, summary reports, and networks are paramount for the younger generation
- SCs should produce position papers and reviews for ICOH on important issues
- SCs could run summer schools, pre- and post-conference workshops with differential pricing to boost ICOH membership and interest.
- If financial resources can be built up, more activities could be self-sustaining; but challenges remain in terms of costs and other resources to maintain blogs and update information, produce training material, etc.
- ICOH books and products could be used at all conferences for SCs
- Encouragement of greater collaboration among the SCs should be continued.
- All SCs should have short reports in newsletters to update members.

2. Scientific Committee Outputs

A Working Group on ICOH Publications would be valuable to establish processes. This group could

- define types of publications,
- define ICOH publications vs. SC publications,
- create a checklist for publication,
- establish processes for a submission channel and steps,
- advise on how to acknowledge ICOH in publications,
- provide guidelines for SC publications,
- develop disclaimers to be used for all publications,
- simplify processes; make them feasible: Article 8 - publications and websites,
- identify a part of the ICOH website for scientific and policy publications and make it easy for viewers to find them, and
- help SCs put publications on their own webpages

3. Continuity and Resource Management

Actions could include:

- an Induction Guide with a checklist for new Chairs and Secretaries
- a meeting for new and old SC Chairs and Secretaries at the 2018 Congress
- assistance in setting up an SC website with its own webmaster within the SC
- the use of social media for better communication and promotion among younger professionals
- providing Spanish translations of key material
- exploring appropriate avenues of funds for SC activities
- better utilization of the collective knowledge and skills of SC members

Conclusions

The ICOH SCs provide the major scientific content for ICOH and the ICOH Congress. The sessions organized for the ICOH2018 Congress demonstrate both the depth and breadth of content as well as emerging ideas for the future. The SCs are highly engaged in disseminating scientific information and developing collaborative relationships to advance science and practical OSH activities.

Attachment 1

Conferences of Scientific Committees during 2015–2017 Triennium

Scientific Committee	Conference	When	Where	Role
Aging and Work	International Conference on Sustainable Employability: Building Bridges between Science and Practice	14–16 Sep. 2016	Brussels, Belgium	SC Aging and Work was a Co-sponsor with Organizers Securex Ltd, Ghent University, and Université Catholique de Louvain, Belgium
	Intl Interdisciplinary Conference on Work, Age, Health and Employment: Evidence from Longitudinal Studies	19–21 Sep. 2016	Wuppertal, Germany	SC Aging and Work was a Co-organizer with Bergische Universität Wuppertal, Germany and the Institute for Employment Research (IAB), Germany
Cardiology in Occupational Health	VI National Conference on Occupational Health Nurses: Participation of nurses in improving the health of the working population	27–29 April 2016	Gdansk, Poland	Participants
	International Conference on Sustainable employability. Building bridges between science and practice. INCOSE	14–16 Sep 2016	Brussels, Belgium	Participants
	XX International Congress of the Polish Cardiac Society	15–17 Sep 2016	Poznan, Poland	Participants
	XVII Symposium. Work Hygiene - current issues, Occupational Risk Factors on CVD	25–27 Oct 2016	Lodz, Poland	Participants
	21 st Symposium on Complex Rehabilitation and Coordinating Care	16–18 Feb 2017	Warsaw-Jachranka, Poland	Participants
	7 th ICOH International Conference on Work Environment and Cardiovascular Diseases entitled: Bridging the Gap between Knowledge and Preventive Interventions at the Workplace to Reduce Cardiovascular Diseases	3–5 May 2017	Varese, Italy University of Insubria	Organizers
	XVIII Symposium. Work Hygiene - current issues, Occupational Risk Factors on CVD	18–20 Oct 2017	Lodz, Poland	Participants

Scientific Committee	Conference	When	Where	Role
Education and Training in Occupational Health	International Congress on Rural Health	8–11 Sep 2015	Lodi, Italy	Participants
	WONCA Congress	Nov 2016	Rio de Janeiro, Brazil	Organized Workshops and Sessions on occupational health
	Education in OSH, emerging trends and unmet needs	26–28 Oct 2017	Zagreb, Croatia	SCETOH organized the conference with the support of SC Rural and SC Health Services Research
Epidemiology in Occupational Health	25 th EPICOH Conference Occupational Health: Think Globally, Act Locally	4–8 Sep 2016	Barcelona, Spain	EPICOH organized the Conference
	X2016 - the 8 th International Conference on the Science of Exposure Assessment in Epidemiology and Practice	4–8 Sep 2016	Barcelona, Spain	EPICOH co-organized X2016, which was held in the same venue
	RHICOH 2016 - International Symposium of Reproductive Hazards in the Workplace	4–8 Sep 2016	Barcelona, Spain	EPICOH co-organized X2016, which was held in the same venue
	26 th EPICOH Conference Eliminating occupational disease: Translating research into action	28–31 Aug 2017	Edinburgh, Scotland	SC EPICOH organized the conference with co-organizers SC Occ Med and Modernet
Emergency Preparedness	10th European Congress on Emergency Medicine	2 Oct 2016	Vienna, Austria	EPROH organized the Conference
Health Services Research and Evaluation in OH	Cochrane Colloquium	Oct 2015	Vienna, Austria	Co-organizer with Cochrane Collaboration
	Cochrane Colloquium	Oct 2016	Seoul, Korea	Co-organizer with Cochrane Collaboration
	Health effects of solar UV radiation in workers: Effective prevention needed	12–13 Dec 2017	Helsinki, Finland FIOH	Co-Organizers with SC Radiation and Work

Scientific Committee	Conference	When	Where	Role
History of Prevention of Occupational and Environmental Diseases	6 th International Conference on the History of Occupational and Environmental Health	29–31 March 2017	Gothenburg, Sweden	Organizers
	Meeting of the International Scientific (ISC) and Local committees (LC) of the 7 th International Conference on the History of Occupational and Environmental Health 'Migrations, Empires and Social Movements - the crossroads of Occupational Health'	21–22 Feb 2018	Johannesburg, South Africa NIOH	Participants
Indoor Air Quality and Health	Indoor Air Quality and Climate: Indoor Air 2016	4–8 July 2016	Ghent, Belgium	SC Indoor Air Quality and Health organized the Conference
	International Congress on Rural Health	8–11 Sep 2015	Lodi, Italy	SC IAQ provided Keynote presentation for Organizer SC Rural Health
	Advanced education in Occupational health: Indoor Air Quality and Acute Health Effects in Offices	21–22 March 2018	Copenhagen, Denmark	Organized with NIVA Course leader Peder Wolkoff
Industrial Hygiene	EPICOH 2016	4–8 Sep 2016	Barcelona, Spain	Session Chair and presentations
	EPICOH 2017	28–31 Aug 2017	Edinburgh, UK	Presentations
Mining Occupational Safety and Health	Joint Annual Scientific Health Conference	21–23 Sep	Kampala, Uganda	Organized Special Session on OH with SC Rural
	International Scientific Conference and Workshop on Occupational Health and Safety in Formal and Informal Mining	22–25 Aug 2017	Odense, Denmark	SC MinOSH organized with NIVA, SC IH, SCOHSSSEIS, SC OHDevel, ISSA Mining and 5 other co-sponsors
Musculoskeletal Disorders	Premus Conference	20–23 June 2016	Toronto, Canada	SC MSD was a Co-organizer with the Institute for Work and Health
Nanomaterial Workers' Health	International Nanotoxicology Conference	1–4 June 2016	Boston, USA	Members of the ICOH committee MSD
	Italian Congress on Occupational Medicine and Industrial Hygiene	21–23 Sep 2016		Co-organizers and presenters
	10 th International Symposium on Biological Monitoring (ISBM-10)	1–4 Oct 2017	Naples, Italy	Co-organizer with lead SC Occupational Toxicology in collaboration with SC Toxicology of Metals
Neurotoxicology and Psychophysiology	Manganese Health Effects on Neurodevelopment and Neurodegenerative Diseases	25–28 Sep 2016	New York City, USA	Co-organizer

Scientific Committee	Conference	When	Where	Role
Occupational and Environmental Dermatoses	Training School on Occupational Skin Disease	5–7 Sep 2016	Modena, Italy	SC OED and SC Radiation collaborated with Organizers University of Modena and Reggio Emilia, Italy and EU HORIZON 2020 COST Action 'StanDerm'
OH for Health Care Workers	10 th International Joint Conference on Occupational Health for Healthcare		Izmir, Turkey	2016 Conference postponed to 2017 and a new location due to safety concerns in Turkey
	10 th International Joint Conference on Occupational Health for Healthcare Workers: Health & wellbeing in the health care sector; addressing current threats to workers.	27–30 Nov 2017	Khon Kaen, Thailand	Organizers of Conference and Co-Organizer with ILO of Pre-Conference Workshop
OH and Development	Training Course on Occupational and Environmental Health	12 Sep 2016	Urbino, Italy	Chair SC OH Dev taught session on OSH international tools and activities
	Indian National Conference on Occupational Health	10–13 Sep 2016	Bangalore, India	SCOHDev was Co-Organizer
	International Congress on Rural Health	8–11 Sep 2015	Lodi, Italy	SCOHDev was Co-Organizer
	International Conference and Workshop on Occupational Health and Safety in Formal and Informal Mining	22–25 Aug 2017	Odense, Denmark	Co-Organizer with SC MinOSH and provided grant support for developing nation attendees
OH in the Chemical Industry	SCOT/MEDICHEM Joint Symposium	5 Oct 2015	Merida, Mexico	MEDICHEM and SCOT were Co-Organizers
	MEDICHEM 2016 Annual Congress	31 Aug–2 Sep 2016	Basel, Switzerland	Organizer of Congress
	MEDICHEM 2017 Annual Congress: Occupational Carcinogens (with Pre-Conference Workshop)	13–15 Sep 2017	Vienna, Austria	Organizer of Congress
OH in Small Scale Enterprises and Informal Sector	Understanding Small Enterprises (USE 2015)	21–23 Oct 2015	Groningen The Netherlands	SCOHSSEIS was a Co-Sponsor of the Conference
	Achieving Healthy Workplaces in SMEs	21 Sep 2016	New Delhi, India	SCOHSSEIS initiated and co-organized the Workshop
	Building capability to deliver basic occupational health to informal sector workers	22 Sep 2016	New Delhi, India	SCOHSSEIS initiated and co-organized the Workshop
	3 rd International Conference on Occupational and Environmental Health (ICOEH)	23–25 Sep 2016	New Delhi, India	SCOHSSEIS was a Co-Sponsor of the Conference
	Understanding Small Enterprises (USE 2017)	25–27 Oct 2017	Denver, CO USA	Co-organizer with U.S. NIOSH

Scientific Committee	Conference	When	Where	Role
Occupational Health Nursing	FOHNEU Conference	16–18 March 2016	Rotterdam, the Netherlands	Participants
	AAOHN Global Summit	23–24 April 2017	New Orleans, LA USA	Co-organizer with AAOHN
	South Africa Society of Occupational Health Nurse Practitioners (SASOHN)	18–19 May 2017	Cape Town, South Africa	Co-organizer with SASOHN
Occupational Medicine	EPICOH 2017 with SC Occupational Medicine and Modernet – Eliminating occupational disease: translating research into action	28–31 Aug 2017	Edinburgh, Scotland	Co-organizer with EPICOH and Modernet
Occupational Toxicology	ICT 2016 (IUTOX) – symposium on ‘Occupational Toxicology and Chemical Risk Assessment’	2–6 Oct 2016	Merida, Mexico	SCOT and SC Medichem organized a Themed Session
	ISES 2016	9–13 Oct 2016	Utrecht, The Netherlands	SCOT organized a Themed Session
	10 th International Symposium on Biological Monitoring (ISBM10)	1–4 Oct 2017	Naples, Italy	SCOT was lead organizer with co-organizers SC Nanoparticles and SC Toxicology of Metals
Radiation and Work	StanDerm Third Training School	5–7 2016	Modena, Italy	Co-organized by SC Radiation and SC occupational and Environmental Dermatoses
	International EMF Project. 21st WHO International Advisory Committee Meeting	2–3 June 2016	Brussels, Belgium	SC Radiation was formally invited to report on ICOH activities
	INTERSUN PROGRAMME 5th WHO International Advisory Committee Meeting	1–2 June 2016	Brussels Belgium	SC Radiation was formally invited to report on ICOH activities
	GLOBAL UV PROGRAMME 6th WHO International Advisory Committee Meeting	28–29 June 2017	Geneva, Switzerland	Participants
	International EMF Project. 22 nd WHO International Advisory Committee Meeting	29–30 June 2017	Geneva, Switzerland	Participants
	10 th International Joint Conference on Occupational Health for Health Workers	28–30 Nov 2017	Khon Kaen, Thailand	Participants
	Health effects of solar UV radiation in workers: Effective prevention needed	12–13 Dec 2017	Helsinki, Finland FIOH	Co-Organizers with SC Radiation and Work
	Reproductive Hazards in the Workplace	Reproductive Hazards in the Workplace (RHICOH) 2016 Conference	6 Sep 2016	Barcelona, Spain

Scientific Committee	Conference	When	Where	Role
Respiratory Disorders	National Conference Radiological Diagnosis of Pneumoconiosis	18–19 Sep 2015	Tirgu-Mures, Romania	Organizer, participants, trainers
	Ten similar trainings and workshops	2015–2016	Indonesia, Vietnam, Philippines, Brazil, Japan	Organizers, trainers, participants
	1 st AIR Pneumo Workshop in Philippines	26–28 July 2016	Manila, Philippines	Organizers
	5 th Initial and 3 rd Recertification AIR Pneumo Workshop in Thailand	21–23 Dec 2016	Nonthaburi, Thailand	Co-organizer with Air Pneumo
	2017 5 th Initial and 2 nd Recertification AIR Pneumo Workshop in Japan	16–17 Sep and 3-4 Oct 2017	Fukui, Japan	Co-organizer with Air Pneumo
	1 st AIR Pneumo Workshop in Indonesia	6–8 Feb 2018	Jakarta, Indonesia	Co-organizer with Air Pneumo
	ILO/MOH Training National Workshop on Prevention of Pneumoconioses Train-the-Trainer for using the ILO International Classification of Radiographs of Pneumoconioses	18–21 Sep 2017	Jakarta, Indonesia	Co-organizer with ILO
	HRCT for Diagnosis and Classification of Occupational associated pulmonary Diseases	20–22 June 2017	Viterbo	Co--organizers
Rural Health: Agriculture, Pesticides and Organic Dusts	International Congress on Rural Health	8–11 Sep 2015	Lodi, Italy	Organizer of Conference
	Training Course in Agricultural Medicine	Feb 2016	Hamilton, Australia	Contributed to interdisciplinary blended learning course
	Joint Annual Scientific Health Conference Uganda	21–23 Sep 2016	Kampala, Uganda	Co-organized a Special Session on Occupational Safety and Health with SC-MinOSH
	1 st International Occupational and Environmental Disease Congress	27–29 March 2017	Antalya, Turkey	Advisors and participants
	ICOH SCETOH SYMPOSIUM Education in OSH, emerging trends and unmet needs	26–28 Oct 2017	Zagreb, Croatia	Contributors. Organized a Special Session on Agriculture
	2 nd International Occupational and Environmental Disease Congress	5–8 March 2018	Antalya, Turkey	Co-Organizer. Special day for Agricultural Medicine
	Shiftwork and Working Time	22 nd International Symposium on Shiftwork and Working Time	8–12 June 2015	Elsinore, Denmark

Scientific Committee	Conference	When	Where	Role
	23 rd International Symposium on Shiftwork and Working Time	19–23 June 2017	Ayers Rock, Australia	Organizer
	The 2 nd Annual meeting of Work Time Japan Society (WTJS)	26 May 2017	Tokyo, Japan	Organizer
	Symposium der Arbeitszeitgesellschaft (5 th Symposium of the German-speaking Working Time Society)	13 Oct 2017	Vienna, Austria	Organizer
Thermal Factors	Safety 2016 Conference	21 Sep 2016	Tempere, Finland	SC Thermal provided an Arctic Safety Session in the conference
	In the Spirit of the Rovaniemi Process 2015	26 Nov 2016	Lapland	SC Thermal provided the Work and Well-Being in the Arctic Session in the Conference
Toxicology of Metals	28 th International Neurotoxicology Conference MANGANESE2016 Conference 'Manganese Health Effects on Neurodevelopment and Neurodegenerative Diseases'	25–28 Sep 2016	New York City, USA	SC Toxicology of Metals was Organizer with SC Neurotoxicology and Psychophysiology, and the Icahn School of Medicine at Mount Sinai, and the International Neurotoxicology Association
	6 th International Symposium FESTEM: New Horizons on trace elements and minerals role in human and animal health	26–28 May 2016	Catania, Italy	SC Toxicology of Metals collaborated with the Organizer Federation of European Societies on Trace Elements and Minerals (FESTEM)
	ISTERH 2015: Recent Advances in Trace Element Research in Health and Disease	18–22 Oct 2016	Dubrovnik, Croatia	SC Toxicology of Metals collaborated with Organizers: International Society for Trace Element Research in Humans (ISTERH) and the Nordic Trace Elements Society (NTES), and the Croatian Society of Biochemistry and Molecular Biology (HDBMB).
	ISEE 2015 – 27 th Conference of the International Society for Environmental Epidemiology 'Addressing Environmental Health Inequalities'	30 Sep–3 Oct 2015	Sao Paulo, Brazil	Participation and chairing Session for Organizer International Society for Environmental Epidemiology
	10 th International Symposium on Biological Monitoring (ISBM10)	1–4 Oct 2017	Naples, Italy	Co-organizer with lead SC Occupational Toxicology in collaboration with SC Nanomaterial Worker Health

Scientific Committee	Conference	When	Where	Role
Unemployment, Job Insecurity and Health	9 th Geneva Conference on Person-Centered Medicine	10–13 April 2016	Geneva, Switzerland	Provided presentation
	Equip Symposium; Sustainable Prosperity, Well-being and Innovation	9–10 June 2016	Helsinki, Finland	Presentations
	International Conference on Sustainable Employability INCOSE 2016	14–16 Sep 2016	Brussels Belgium	Provided Special Session
	ESRC – NNEdPro Stakeholders Workshop on the Impact of Teaching Kitchens as per the Sustainable Development Goals	24–25 Oct 2017	Kolkata, India	Participants
Vibration and Noise	6 th International Conference on Whole Body Vibration Injuries	19–21 June 2017	Gothenburg, Sweden	Co-organized by SC Vibration and Noise and the Committee for the International Conferences on Whole Body Vibration Injuries
Women, Health and Work	8 th Venezuelan Symposium on Gender, Equity and Opportunities	7 Dec 2015	Valencia, Venezuela	Co-Organizer
	Dialog Gathering About Women at Work	1 March 2016	Venezuela	Co-Organizer
	19 th Argentina Conference on Occupational Health	11–16 Nov 2016	Buenos Aires Argentina	Co-Organizer
Work and Vision	Australia and New Zealand Society of Occupational Medicine (ANZOM)	Aug 26, 2016	Newcastle, Australia	Provided Lecture
	20 years of the ICOH Scientific Committee of Work and Vision	6–8 Dec 2016	Arequipa, Peru	Organized Workshop
	Australia and New Zealand Society of Occupational Medicine	24 Aug 2016	Newcastle, Australia	Provided Conference Presentation
	Australasian Faculty of Occupational and Environmental Medicine (AFOEM)	1 Sep 2016	Western Australia	Provided Workshop Presentation
	Australasian Faculty of Occupational and Environmental Medicine (AFOEM)	2 Aug 2016	Western Australia	Provided Workshop Presentation
Work Disability Prevention and Integration	4 th WDPI Conference: Work Disability Prevention Knowledge	25–28 Sep 2016	Amsterdam, The Netherlands	Organized the Conference
Work Organization and Psychosocial Factors	6 th ICOH-WOPS Congress (forthcoming): 'For dignified and psychosocially healthy work'	29 Aug–1 Sep 2017	Mexico City, Mexico	Organized the Conference with UNAM

Attachment 2

Scientific Committee publications involving many SC members

SC Allergy and Immunotoxicology published an e-Book ‘Allergy and Immunotoxicology in Occupational Health’. See <https://link.springer.com/book/10.1007/978-981-10-0351-6> .

SC Cardiology in Occupational Health published 214 abstracts accepted for the 7th ICOH International Conference on Work Environment and Cardiovascular Diseases entitled: ‘Bridging the Gap between Knowledge and Preventive Interventions at the Workplace to Reduce Cardiovascular Diseases’ in a dedicated supplement of the European Journal of Cardiovascular Prevention. *Eur J Cardiovasc Prev* 2017, 24, suppl 2.

SC Emergency Preparation and Response in Occupational Health published ‘Emergency Preparedness and Response in the Occupational Setting: A Position Statement’ in *Frontiers of Public Health*. 2017 Sep 21; 5:251. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5613092/>

SC Epidemiology in Occupational Health (EPICOH) with SC Occupational Medicine and Modernet together published the accepted abstracts for its 28-31 August 2017 Conference in the *British Medical Journal Occupational and Environmental Medicine*, August 2017 - Volume 74 - Suppl 1. The Supplement and the Conference shared title was ‘**Eliminating Occupational Disease: Translating Research into Action**’. http://oem.bmj.com/content/oemed/74/Suppl_1.toc.pdf

SC Indoor Air Quality is publishing a Consensus Document ‘**Role of occupational health services in the assessment and management of indoor air quality problems**’ in the Spring 2018 ICOH Newsletter.

SC Mining Occupational Safety and Health published a paper on **Safety and Health in Mining** in 3 parts in the *Journal Occupational Health Southern Africa*. Part 1 is in the May/June 2017 issue; Part 2 in the July/August 2017 issue; and Part 3 in the September/October 2017 issue. All three can be found at <http://www.icoh-minosh.com/publications.html> .



Attachment 3
Special Sessions, ICOH Congress 2018, Dublin, Ireland

Ninety-four Special Sessions were organized by ICOH Scientific Committees and Working Groups. Speakers were invited to make presentations. Some additional sessions were organized by the Dublin National Scientific Committee.

Topic	Special Session Title
Accident Prevention	Accident Prevention in Practice or Risk Management?
	Traffic Medicine - 'Am I safe to drive?'
Aging and Work	Aging and Interventions
	Aging and MSDs
	Aging and Shiftwork
Allergy and Immunotoxicology	Allergies in the Workplace
	Immunotoxicology in Occupational Environmental Circumstances
Cardiology in OH	New Evidence on Cardiovascular Disease Risks Due to Psychosocial Stress at Work and Physical Activity
Communications in OH	Advocacy training to achieve positive national policy change in occupational health
	Case Studies in Moving Research into Practice: Separating Reality from Desire
	Rapid Fire Interactive Session: Linking Communication Science and Practice
	Improving public corporate reporting on occupational health
	Wikipedia Workshop: Editing Wikipedia for Health Professionals: Extending Reach of Your Information
Construction OSH	Construction Safety and Health in Emerging Economies: Developing Best Practices within Resource Constraints
	Participatory Approach Improving Safety and Health in Construction Industry
	Vision Zero in Construction
Dermatology & Radiation	How to tackle the increasing disease burden of occupational skin cancer
Dermatoses	Application of biomarkers in work-related contact dermatitis
	Taking stock of new developments in prevention of occupational and environmental dermatoses
Education and Training	Innovations in OSH Education and Training
	Research & Assessing Training and Competence
Emergency Preparedness and Response in Occ Health	The Environment and Health
	World Trade Research Strategies, Implications and Findings

Epidemiology	Cochrane Approach
	Highlighted Issues in Occupational Epidemiology: Research Considerations to Policy Translation
	Challenges in Data Pooling
	Occupational Disease and Morbidity Modelling for Respiratory Diseases
	Workshop: Challenges in Occupational Health Journal Publishing
Health Services Research	Effectiveness of Evaluation in Occupational Health
	Effectiveness of Periodic Health Examination
History of Prevention of Occup Diseases	Historical Perspectives on Occupational Health in Ireland
	Workshop: Archiving Historical Documents; Maintaining Our History
Indoor Air Quality	Indoor Air Quality in Modern Office Buildings
Industrial Hygiene	Occupational Hygiene: Standards and Practices
Infectious Occupational Agents	Occupational Health Aspects of Emerging Infections: The Experience from Developing Countries
	Occupational Infections: Linking Innovations and Practice
	Travel Medicine: Migrant Workers and International Spread of Emerging Infections in the Global Economy
Integrated Worker Health and Well-being	Developing Healthy Workplaces in Ireland
	Work and Spirituality, new approaches and ideas
International Collaborations	IOSH session 2: Mental Health - Addressing Mental Health Issues in the Workplace
	Policies for elimination of Asbestos-Related Diseases (ARDs) : A Global Picture
	Practice of Occupational Health Services (Implementation of Seoul Statement on the development of Occupational Health Services for all)
	Roadmap on Carcinogens - EU and National Initiatives
	Towards the WHO/ILO joint methodology for estimating the burden of work-related disease and injury
	Workplace Health Without Borders - Increasing impact of global training and mentoring collaborations across organizations: protecting workforces
	Workplace Health Without Borders – Methods and Strategies for the Prevention of Work-Related Non-communicable Diseases in Economically Developing Countries
	Workshop: International OSH Efforts to Prevent TB in Silica-exposed Workers and Healthcare Workers
Mining OSH	Mercury Free Gold Mining: Advancing the Global Minamata Convention
	Mining Occupational Safety and Health: Hazards and Good Practices in Formal and Informal Mining
	Occupational Health in Remote Locations
Musculoskeletal Disorders	Comparison of Diagnostic Criteria for Occupational Upper Extremity Disorders Between Countries
	Physical Activity and Work
	Update on Assessing Risk for Upper Limb Musculoskeletal Disorders
Nanomaterials	Update on Potential Hazards of Nanomaterials

Neurotoxicology and Psychophysiology	Adverse neurologic health effects of occupational solvent exposure- from recognition to prevention
	Environmental intolerance – a continuum from annoyance to severe illness
	Neurotoxicity in Human Applicators Using Organophosphorus Pesticides and Associated Research in Animals
	Occupational neurotoxicology – recent studies
Occupational Health and Development	Necessary cooperation in occupational health and safety in North Africa French speaking countries
	OSH in Africa: State of the Art and Future Challenges
	OSH in Asia: State of the Art and Future Challenges
	OSH in Latin America: State of the Art and Future Challenges
	Occupational Health Promotion, Safety and Wellbeing: A Sustainability Perspective
	Workshop: Tackling Occupational Diseases in Developing Countries; Building Capacities for Early Diagnosis and Prevention
Occupational Health for Health Care Workers	Current Issues for Health Care Workers
	Handling of Hazardous Drugs in Health Care Settings
	Infectious Risks in Providing Health Care: Prepare for the Unexpected
	Prevention of Low Back Pain in Health Care Workers
Occupational Health in Nursing	Future Occupational Health Nursing Roles
Occupational Health in the Chemical Industry	How epidemiology can inform non-linear dose-responses for occupational carcinogens.
	MEDICHEM Symposium: Occupational and Environmental Impacts on the Human Genome
Occupational Medicine	Aviation Medicine: The Global Challenges to Regulators and Airlines
	Sentinel and alert systems in occupational medicine (Modernet)
	IOSH session 1: The global drive to tackle occupational cancer
	Military Medicine
	Hyperbaric Medicine: Dealing with employees who work under physical pressure
Occupational Toxicology	Diesel Engine Exhaust Emissions
Primary Care and Work	Scaling Up Workers' Health Coverage through Primary Health Care
Radiation	Electromagnetic Fields: Occupational Exposure and Prevention in Workers. An Update
	Solar UV: Relevant Risk Overlooked. Exposure in Workers, Effects, Prevention
	Magnetic Resonance Imaging (MRI): EMF Exposure in Workers, Occupational Risk, Prevention: An Update
Reproductive Hazards	Reproductive Hazards in the Workplace and Environment
Respiratory Disorders	Chest CT Scanning in the Screening, Surveillance, and Diagnosis of Occupational Lung Diseases
	Occupational Lung Disease Update: A Year in Review

Rural Health: Agriculture, Pesticides and Organic Dusts	Health Effects of Pesticides: Problems to Solutions
	Organic Dust Exposure: Beneficial or Harmful?
	Use, Misuse, Abuse of Pesticides in Agriculture: Interventions to Promote Safety and Health of Workers
	Young workers in agriculture: Innovative approaches to address risks
Shiftwork	Shiftwork in the 21st Century: Old and New Problems and Approaches
	Shift Work and Cancer
Toxicology of Metals	Metal Exposures Impacting on Bone, Hematopoiesis, Neurologic and Reproductive Functions
	Genetics and Epigenetics in Toxicology of Metals
Vibration and Noise	Synergistic Effects of Exposure to Noise in Combination with Vibrations or Oto/Neurotoxic Chemicals
Women, Health and Work	Inequities of Working Women in the Informal Sector: A Global Perspective
	Working Women and Migration: Never-ending Challenges?
Work and Vision	Work and Vision
Work Disability Prevention and Integration	Work Disability Prevention: An Expanding Frontier in Occupational Health
Work Organization and Psychosocial Factors	Evaluation of Policy Interventions for the Management of Psychosocial Risks in the Workplace
	A Global View of Impact of Psychosocial Factors on Health, Work and Wellbeing
	Sustainable Development Goals: Setting the Agenda for Occupational Health
	Working on Empty: A documentary film and discussion
	Managing Psychosocial Working Conditions
Young Workers and Child Labour	Protecting young workers in informal and small-scale workplaces from psychological and physical hazards
	Silica Exposure Among Young Nepali Brickworkers

Attachment 4 Oral Abstract Sessions, ICOH2018 Congress

More than 1500 abstracts were submitted by attendees to the Oral Abstract Sessions. The ICOH Scientific Committee and Working Group Session Organizers reviewed all submissions and assigned the abstracts either to Oral or to Poster Presentation. Seventy-two Oral Abstract Sessions are planned. The accepted Posters will be displayed in the Congress Poster Area.

Theme	Abstract Session Title
Accident Prevention	Accident Prevention: Linking Research to Practice
	Novel Ways of Promoting Accident Prevention Messages Which Work
Aging and Work	Aging and Work
	Preventive Interventions to Encourage Workers to Stay at Work
Allergy and Immunotoxicology	Allergies in Workplaces: Prevention, Early Detection and Treatment
	Immunotoxicology in Workplaces: Prevention, Early Detection and Treatment
Cardiology in OH	Health Problems of Professional Drivers
Communications in OH	Novel Communication Case Studies Providing OSH Information for Reach, Engagement and Impact
Education and Training	Education and Training in Occupational Health Session 1
	Education and Training in Occupational Health Session 2
Emergency Preparedness and Response in Occ Health	Response and Preparedness for Emergencies in Workplaces 1
	Response and Preparedness for Emergencies in Workplaces 2
Epidemiology	Burden of Disease: Translation of Research to Policy 1
	Challenges in Data Pooling
	Changing Employment Patterns Globally: Psychosocial Exposures and Outcomes
	Burden of Disease: Translation of Research to Policy 2
Epidemiology	Migrant and Refugee Workers: Outreach and Evidence-Based Solutions to Reducing Occupational Hazards
	Possibilities for Occupational Health: Action in the Developing World
	Shiftwork and Health: Preventive Measures and Policy Implications
Health Services Research	Evidence-Based Prevention
	Occupational Health Services
History of Prevention of Occup Diseases	Significant Events in Occupational Disciplines, Sectors and Diseases
Indoor Air Quality	Indoor Air Quality and Health
Industrial Hygiene	Respiratory Protective Equipment and Methods to Reduce Individual Exposures
Infectious Occupational Agents	Occupational Infections Agents
International Collaborations	Successful Global Training and Mentoring Collaborations on Occupational Safety and Health in Low Resource Countries

Theme	Abstract Session Title
Mining OSH	OSH in Small and Large Scale Mining Session
Musculoskeletal Disorders	Musculoskeletal Conditions 1
	Musculoskeletal Conditions 2
	Musculoskeletal Conditions and Work Organization
	Musculoskeletal Conditions and Preventative Strategies
Occupational Health and Development	Occupational Health in Developing Countries. Session 1
	Occupational Health in Developing Countries. Session 2
Occupational Health for Health Care Workers	Occupational Health for Health Care Workers (3) – Psychosocial Issues
	Occupational Health for Health Care Workers (4) – Current Issues
	Occupational Health for Health Care Workers (1) - Infectious Agents
	Occupational Health for Health Care Workers (2) - Violence and Bullying
Occupational Health in Nursing	Innovative Educational Strategies in Occupational Health Nursing
Occupational Health in the Chemical Industry	Understanding Occupational Health Risks in the Production, Use and Disposal of Hazardous Chemicals
Occupational Medicine	Occupational Medicine 1
	Occupational Medicine 2
Occupational Toxicology	Occupational Toxicology
Toxicology	Advances in Biological Monitoring
Radiation	Non-Ionizing and Ionizing Radiations: Occupational Exposure, Health Risk, and Prevention in Workers (1)
	Non-Ionizing and Ionizing Radiations: Occupational Exposure, Health Risk, and Prevention in Workers (2)
Respiratory Disorders	Asthma and Hypersensitivity Pneumonitis
	Pneumoconiosis and Occupational Lung Cancer
	Occupational Respiratory Health and Disease
Rural Health: Agriculture, Pesticides and Organic Dusts	Pesticides: Risks, Health Effects and Prevention
	Health Surveillance of Agricultural Workers: Experiences and Outcomes
	OSH in Agriculture: Examples of Best Practices
Shiftwork	Shiftwork and Working Time
Small Scale Enterprises and Informal Sector	Improving Occupational Health in Small and Medium Enterprises: From Economics to Ergonomics and Other Factors In Between (1)
	Improving Occupational Health in Small and Medium Enterprises: From Economics to Ergonomics and Other Factors In Between (2)
	Research in the Workplace: Applying Participatory Solutions to Informal Worker Health and Well-Being
Thermal Factors	Work in the Heat 1
	Work in the Heat 2
Toxicology of Metals	Toxicology of Metals: Session One
	Toxicology of Metals: Session Two

Theme	Abstract Session Title
Unemployment, Job Insecurity	Insecure Labour Market During Life Course
Vibration and Noise	Occupational Exposure to Vibration: New Knowledge for Risk Assessment and Strategies for Reducing Risk
	New Information about Preventing Noise Exposure Damage
Women, Health and Work	Women, Health and Work 1
	Women, Health and Work 2
Work Disability Prevention and Integration	Disability Prevention for Workers with Injuries and Illnesses: Research Updates on Disability Factors, Interventions and Policies (1)
	Disability Prevention for Workers with Injuries and Illnesses: Research Updates on Disability Factors, Interventions and Policies (2)
Work Organization and Psychosocial Factors	Interventions to Improve the Work-Related Health of Doctors and Nurses
	Addictions and Work
	Emotional Work Impacts on the Health of Workers
	Work-Life Balance Health and Well-Being
	Micro-Level and Clinical Approaches for Managing Psychosocial Risks: Qualitative Approaches
	Workers' Mental Health and Work Functioning



Report on Activities of ICOH National/Area Secretaries

*Professor Seong-Kyu Kang
Vice President*



1. Appointment of National/Area Secretaries (NS)

A meeting of the ICOH National/Area Secretaries (NS) was held on 4 June 2015 in Seoul, and gathered a total of 54 participants, including 39 NSs, 6 observers and 9 officers and ICOH staff. The NSs actively participated in the Congress and the Business meeting for NS. Two-thirds of the NSs (67.2%, 39 out of 58) participated in the Congress and the Business meeting, while less than 25% of general members participated in the Congress. At the NSs' meeting, the reports of the previous term were discussed, and priorities – communication of information, membership campaigns, and networking – for the forthcoming tenure were drafted.

So that the ICOH President could appoint the NSs after their election, the former Vice President (VP), Suvi Lehtinen sent an email before the end of the previous Triennium to the NSs of 2012–2015 tenure, asking for the results of the election or agreement made among the members in the country concerning the nomination of an NS.

The message also contained

- the Guidelines for ICOH NS,
- the Contact Information Form of the elected NS, and
- the Transparency Declaration Form of the elected NS.

The tasks of the ICOH NS are defined in the Guidelines as follows:

- To represent the activities of ICOH in the country or area for which they are designated,
- To promote co-operation and communication among the ICOH members of their country or area, and
- To promote links to other ICOH bodies.

After this Triennium began, the new VP, Seong-Kyu Kang, sent an email to the previous NSs again requesting the election results. It took a long time to collect the Contact Form and the Transparency Declaration Form. Those who had already served one term also had to resubmit the Forms for official appointment by the President. During this Triennium, 56 NSs

were officially appointed by the President: 31 new NSs and 25 who were continuously appointed in 2015–2016.

In line with the practice of previous Triennia, an ICOH NS has also been mobilized in the countries that have not previously had an ICOH NS due to low ICOH membership. A letter was sent to all active members in these countries in order to ask them to nominate a new NS. The feedback from the experts in countries with low ICOH membership has not been very active, although ICOH NSs have worked positively to connect their national OH professionals to ICOH, to deliver information about ICOH and to expand the ICOH Network also in these countries.

The current number of ICOH NSs appointed is 56; 39 were appointed in 2015, 15 in 2016, and two in 2017. Three candidates were not appointed because they were not in good standing, and one candidate was not appointed because he did not submit the declaration document even though he is a member in good standing.

The common problems of the appointment process are

- 1) Delayed submission of the Transparency Form document
- 2) Nomination of a candidate who is not eligible, which means not in good standing (even not an ICOH member).
- 3) No willingness to recommend a successor in some countries (a strong interest to keep the position).
- 4) Some countries have few members, who do not know each other.

The NSs are distributed among the continents as follows:

Regions	2012–2015	2015–2017
	Appointed	Appointed
North and Central America	3	3 (1)
South America	10	9 (5)
Europe	23	21 (14)
Eastern Mediterranean	3	1
Africa	10	9 (5)
Asia	8	11 (6)
Oceania	1	2 (1)
Total	58	56 (31)

as of 31.12.2017; () means a new NS

ICOH lost NS in Belarus, Bosnia-Herzegovina, Costa Rica, Ecuador, France, Israel, Lebanon, Lithuania, Luxembourg, FYROM, Slovakia, and Turkey; but recruited NS in Austria, Belgium, Denmark, New Zealand, the Philippines, the Russian Federation, Singapore, Sweden, the UK, and Venezuela. The total number of countries with ICOH members is close to 90.

2. Work Plan for ICOH NSs

The tasks of all ICOH NSs are in principle the same as they were in previous Triennia, although there are differences in countries with more than 100 ICOH members compared to those countries with only one or a few members.

2.1 Developing a work plan

- Having ICOH Core Documents and ICOH Promotion tools available
- Selecting a few activity lines for the current tenure
- Setting a target for increasing membership in the country
- Utilizing ICOH administrative support (President, VP, Secretary-General, the Secretariat)
- Participating in the NSs' meeting in the region (to be informed by the VP)
- Generating and maintaining contacts with national occupational health associations.

Feedback from NSs was not very active compared to the previous Triennia. It also seems that many of the NSs did not use the ICOH website NS Virtual Office. All ICOH NSs must be reminded about the Virtual Office, as this makes it easier for them to carry out their tasks.

2.2 Evaluation of activities

- Report of activities during the Triennium to the VP.

The obligation of the NSs is to report back twice during the Triennium on their activities in the countries. The replies from NSs were very few compared to previous Triennia. This may be due to less contact with the new VP and not being frequently asked to submit the report.

NSs sent the activity report for 2015–2017. Some of their significant activities are summarized at the end of this report.

NSs have contributed to the ICOH membership campaigns. Special efforts were made by many NSs to introduce ICOH and to recruit new ICOH members, particularly at the annual conferences of the occupational health association/society of their country.

3. Increasing ICOH membership

The role of the NSs in terms of membership campaigns is crucial.

3.1 Setting a target for membership in 2015

Some NSs expressed challenges and difficulties in recruiting new ICOH members. Some of these challenges can be facilitated by measures on the part of the VP or ICOH Secretariat, but others need to be tackled by the NSs themselves. ICOH officers have visited several countries to promote the membership campaign: the President visited Brazil and the Secretary General visited India, Peru and Nepal.

3.2 Information about SC events and symposia in the country

The NSs would appreciate being informed of all ICOH scientific symposia and meetings organized in their respective countries. This would allow them to prepare an ICOH stand for relevant meetings to attract new members.

Information on most of the symposia organized by ICOH Scientific Committees (SCs) is available on the ICOH website or in the Newsletter. However, information via the website or Newsletter is always too late for the NSs to participate actively in conferences. Direct communication of information from SCs to the NS concerned can be strengthened.

NSs constantly request to have the Abstracts and Proceedings of ICOH symposia available on the ICOH website.

In all SC symposia and meetings, the organizers are encouraged to organize, in collaboration with relevant NS, a general session on ICOH activities for promoting ICOH and recruiting new members.

3.3 Annual Congresses of National OH Societies and Associations

Every NS should try to introduce ICOH at one annual congress of the National Society of Occupational Medicine (or respective organ) within their three-year period. On the basis of NS reports, this seems to be the most common form of membership recruitment.

3.4 Collaboration with National OH Societies and Associations

ICOH NSs should collaborate with the National Associations in their countries in order to attract new members from their memberships – thereby also acquiring new sustaining members. Some of the ICOH NSs are also presidents of national occupational health associations, which provides an excellent opportunity to attract new members to ICOH.

3.5 ICOH promotion materials

The National Secretaries Virtual Office (<http://www.icohweb.org/site/member-corner-national-secretaries-virtual-office.asp>) and the ICOH website (www.icohweb.org) are excellent sources of information on ICOH and tools for promoting ICOH activities. The ICOH Secretariat designs and edits the ICOH webpages with the Secretary General as Editor-in-Chief of the ICOH website.

ICOH NSs receive a brief flyer informing them of benefits for members of joining ICOH, including the membership application form on the other side of the leaflet. This one-page flyer is a handy tool, but needs a presentation of ICOH activities to support it.

The Virtual Office and ICOH website mainly contain information materials for NSs to use in connection with informing occupational

health and safety experts about ICOH activities, and thereby attracting them to join ICOH. These are:

1. The ICOH PowerPoint Presentation
2. The membership brochure
3. Guidelines for NSs
4. The ICOH Newsletter
5. The membership application form
(English, French, Spanish, Portuguese).

The following documents are also available in the Virtual Office:

- NS obligations: Contact Information, Transparency Declaration Form and NS Report Model for 2018.
- List of NSs.

In addition to these, ICOH's Triennial Reports are also accessible on the web, but they are more comprehensive and difficult to print.

3.6 Communication with ICOH Secretariat

NSs very much emphasize the importance of quick, smooth communication with the ICOH Secretariat in cases in which experts wish to join ICOH, thus speeding the process from application to decision.

A complaint was made that NS are not invited to the Mid-term meeting. The possibility of inviting regional representatives of NS or NS of countries with a large group of members should be discussed.

4. Further development of multidirectional communication

4.1 VP Information Letters and NS Activity Reports

The continuous flow of information between NSs and ICOH Officers was established already during the previous Triennia. The VP has sent a letter to keep NSs informed and updated.

4.2 Information from NSs in ICOH Newsletter

NSs were asked to report on their activities in the ICOH Newsletter in a similar manner as the SC Chairs and Secretaries. However, the first half of this Triennium did not see active participation on the part of NSs as during the previous Triennium. Most reports came in the latter half of the Triennium.

This has been implemented as follows:

Issue	Pages of ICOH Newsletter	News from NS	
2,3/2015	28	(1)	Korea
1/2016	24	1	Spain
2/2016	24	0	
3/2016	29	0	
1/2017	32	3	South Africa, Nigeria, Chile
2/2017	40	3	Finland, Nigeria, India

4.3 ICOH brochures and website

The website (Mobile and PC version) can help NSs introduce ICOH to professionals in their countries.

4.4 Good communication with ICOH Officers and the Secretariat

This is deemed important, as is the full utilization of the ICOH website. The NS Virtual Office has made the work of the NSs easier to conduct. It seems that some NSs are not familiar with using the Virtual Office.

4.5 Developing communication with SCs

It seems that NSs have not fully recognized the international conferences and meetings in their countries, organized by the SC, which are usually announced on the ICOH website and the Newsletter. How the NSs and Chairs and Secretaries of SCs communicate should be considered in the coming Triennium. Organizers of international conferences hosted by SCs are asked to contact the NS of the country in which they would like to host international conferences.

4.6 Developing communication among NSs

Developing communication among NSs in a region is important. Some continents have their own network, but others do not. The VP encourages NSs to form a close group in the region.

5. Joint meetings of NSs

During the Triennium, a minimum of one regional meeting of ICOH NSs in each continent is arranged in connection with an international conference organized by one of the countries in the region.

Seoul, Republic of Korea

A meeting with the ICOH NSs was held during the 2015 ICOH Congress in Seoul to discuss their activities during the previous term and to preliminarily plan activities for the 2015–2017 Triennium. The meeting gathered a total of 54 participants, including old and new NSs. All officers and the new VP in charge of NSs, Dr. Seong-Kyu Kang, joined the meeting. NSs were requested to join the membership campaign in their countries and to participate in the regional meeting to be held during the Triennium. The participants agreed to strengthen the membership campaign and actively promote ICOH and its activities in their countries. The meeting report is available at:

http://www.icohweb.org/site/multimedia/reports/pdf/national_secretaries/NS%20Meeting%20Minutes.pdf.

2015–2017

During the period 2015–2017, NSs were asked to join the meeting held in their region with regional occupational health meetings. The meetings were held in Johannesburg, South Africa; Kaohsiung, Taiwan, China; and Antigua, Guatemala. The VP asked the NSs about the international conferences or meetings that they planned to participate in, but it was difficult to indicate a meeting among those held in Europe. NSs attend the regional meeting at their own expense. Thus, unfortunately no regional meeting was held in Europe during this Triennium.

The regional meetings of the NSs were held as follows.

28 April 2017, Kaohsiung, Taiwan, China, Asia

- The Asian regional congress on occupational health, ACOH (Asian Congress on Occupational Health) organized by AAOH (Asian Association of Occupational Health), has been held triennially since its first meeting in Tokyo in 1956. The 22nd ACOH was held from 27 to 30 April 2017 in Kaohsiung, Taiwan, China. The next ACOH will be held in Daegu, in June 2020.
- The Asian Regional/Area meeting was held in Kaohsiung on 29 April 2017 during the 22nd ACOH Congress. The participants were five NSs, one Board member and two Officers: Muchtaruddin Mansyur (Indonesia), Jong-Wook Won (Korea, on behalf of Jaehoon Roh), Olivier Lo (Singapore), Leon Guo (Taiwan, China), Adul Bandhukul (Thailand), and Seichi Horie (Japan, on behalf of Toru Yoshikawa, Board), Kazutaka Kogi (Past President), and Seong-Kyu Kang (VP). Toru Yoshikawa (Japan) and Jaehoon Roh (Korea) asked to be excused for not attend-

ing the meeting and sent other representatives of their country. The absentees were Sunil Kumar (Nepal), R. Rajesh (India), Gilbert Gille (Philippines), and Tu Ha Nguyen (Vietnam).

- VP Seong-Kyu Kang moderated the meeting and presented information on the role and task of an NS, the membership campaign, the Dublin Congress, and the NS election process. Questions were raised about using the private site of the webpage and accessibility to the information of the members in their country.
- Pakistan had an NS during the two previous Triennia, but failed to recruit a new one.
- There was another chance to meet Asian Regional/Area Secretaries during the 22nd Japan-China-Korea Joint meeting, held on 1 June 2017 in Sapporo, Japan. These were Toru Yoshikawa (Japan), Junming Dai (China) and Jaehoon Roh (Korea).

9 June 2017, Johannesburg, South Africa, Africa

- The African regional meeting, the ARAOH (African Regional Association on Occupational Health) conference was established in 2014 in Johannesburg, South Africa under the leadership of Claudina Nogueira (Board) and Adriaan Combrinck (NS for Africa). The second meeting was scheduled to be held in Zimbabwe in 2017. However, it was unfortunately cancelled by the host country.
- Claudina Nogueira, member of the Board, volunteered to host the regional meeting in Johannesburg in conjunction with the SASOM (South African Society of Occupational Medicine) annual meeting. SASOM provided free registration, meeting facilities and telecommunication services to the NSs of Africa. Akiba Okon (Nigeria) also expressed the possibility of hosting ARAOH in connection with the SOEHPON (Society of Occupational and Environmental Health Physicians of Nigeria) Conference, scheduled for 16–18 November 2017 in Lagos, Nigeria. Nigeria might be the candidate venue for the 3rd ARAOH Conference.
- The African Regional/Area meeting was held in Johannesburg on 9 June 2017. The participants were four NSs, two Board members and one Officer. These were Cheikh Cisse (Senegal), Adriaan Combrinck (South Africa), Blessing Garamumhango (Zimbabwe), Kibor Keitany (Kenya), Claudina Nogueira (Board), Dingani Moyo (Board), and Seong-Kyu Kang (VP). Kibor Keitany joined the meeting over the phone. Akiba Okon (Nigeria) Eva Katusabe (Uganda) and Fred Yaw Bio (Ghana) expressed their willingness to participate in the meeting, but did not attend because they could not raise the funds for travel expenses. Moussa Dicko (Mali) would have liked to join by skype, but could not do so due to a technical problem.
- VP Seong-Kyu Kang moderated the meeting and presented information on the role and task of an NS, the membership campaign, the Dublin Congress, and the NS election process.

- Tanzania and Benin proposed a New NS this Triennium, but as the Secretariat and VP failed to communicate with the candidates, they were not officially appointed. The NS for Morocco was appointed very late.
- Among the nine NSs for Africa, five were newly appointed.

10 October 2017, Antigua, Guatemala, Latin America

- The Latin American regional meeting of NSs was held on 11 October 2017, in Antigua, Guatemala, in connection with the 15th Latin American Congress of Occupational Health (ALSO) (11–13 October), which was organized by the Latin American Association of Occupational Health. The conference was held jointly with the SC on Women Health and Work.
- ALSO is a biennial meeting. The 15th Guatemala Congress attracted approximately 400 participants. The next Congress will be held in Bogota, Colombia in 2019.
- ICOH President, Dr. Jukka Takala was invited as the keynote speaker. He delivered a presentation on the global burden of occupational cancer. The local Organizer, Luis Garcia (Guatemala) suggested that Officers introduce ICOH to the participants. The VP, Dr. Seong-Kyu Kang, presented ICOH, its activities, and benefits for members at the main session on 13 October. Some participants were interested in joining ICOH. They applied for membership on site using the mobile application with the help of Dr. Julietta Rodriguez (Chair of SC of Women Health and Work).
- The Latin American regional meeting brought together four NSs, three NS candidates for the coming Triennium and four Officers: Claudia De Hoyos (Argentina), Rosylane Rocha (Brazil), Marta Cabrera (Chile), and Orlando Pitti (Panama). The three NS candidates for the 2018–2020 Triennium were from Honduras, Costa Rica and Guatemala.
- VP Seong-Kyu Kang moderated the meeting and presented information on the role and task of an NS, the membership campaign, the Dublin Congress, and the NS selection process. Secretary General Prof. Sergio Iavicoli presented the activities of ICOH and membership status, and the benefits of ICOH membership.

Europe

- Europe has the largest number of NSs. There are currently 21 NSs, 14 of whom are new. There are no specific regional occupational health conferences as in other continents, which would raise the attention of most of the NSs in Europe. However, there are many international conferences organized by SCs. The VP tried to find the most popular conferences which would be of interest to the NS, but was unable to find any. Consequently, no regional meeting of NSs in Europe was organized during this Triennium.
- Based on experience, a regional NS meeting in Europe may be arranged at more than two different locations along with larger SC Conferences, such as EPICOH.

Lessons learned from Regional NS Meetings

- Many NSs do not know about the activities of ICOH. The only opportunity to communicate is the Business meeting during the Congress and regional meetings. However, the NS of some countries were unable to attend the meeting due to budgetary problems. There is no support for NSs to travel to attend a meeting. For the Congress, NSs were given priority to be awarded the scholarship. Most eligible applicants among NSs have received a partial grant.
- Bilateral online communication between NSs and the VP may also be effective. However, this was not as successful during this Triennium as during the previous one. The appointing process takes a long time due to delayed election/recommendation and the submission of the necessary documents, especially in the case of newly appointed candidates. During this Triennium, 36 NSs out of 56 changed. It takes time for the VP to become familiar with newly appointed NSs. After appointment, the VP has lost contact with some NSs.
- The regional meeting is a good chance to communicate with other NSs in the same region and with ICOH Officers. The timing of the regional meeting is important. During this Triennium, the meetings were held in the latter half of the Triennium due to the timing of the regional Congresses. The regional meetings could be arranged during the first half of the Triennium. In order for this to succeed, the appointment process should be completed as early as possible.

Dublin, Ireland, Meeting of NSs in ICOH2018

The next meeting of all ICOH NSs will be held during the ICOH 2018 Congress. All current and new NSs are requested to participate in the Business meeting. The purpose of this meeting is to review the activities of the 2015–2017 Triennium, and to facilitate activities in the new Triennium.

The aim is to have a clear roadmap for the process of electing new NS. Approximately half of the ICOH NSs will have served two terms and a new NS needs to be elected. The NSs must be informed of the process of nominating an NS candidate to avoid a long delay in the formal appointment. In half of the countries, the current NS is eligible for a second term.

6. Activity Reports from NSs

Most NSs are active in introducing ICOH to their occupational health society. Here are some examples of the activities of the NSs.

UK, Dr. David Fishwick

Dr. David Fishwick has actively participated in the ICOH Congress. He is a respiratory physician/ researcher working for the UK Health and Safety regulator (HSE). He introduced ICOH to the Partnership for European Research into Occupational Safety and Health (PEROSH) as the chair of the Wellbeing and Work Committee, and as group head of the Occupational and Environmental Group of the European Respiratory Society. To facilitate ICOH-related activities among UK ICOH members, he plans to organize an informal UK ICOH forum during the Dublin Congress.

The Netherlands, Dr. Judith Sluiter

Dr. Judith Sluiter promoted ICOH membership at the stand of the Coronal Institute of Occupational Health at the annual national scientific meeting of Dutch occupational health physicians, which approximately 1300 professionals attended in 2016 and 2017, and at the Dutch symposium of the Netherlands Center for Occupational Diseases in 2015, 2016, and 2017. She also arranged that three ICOH members endorsed the new applicants for membership on site. She has worked with Dutch SC chairs to jointly organize the sessions during the Dublin Congress. Dr. Sluiter is preparing the bid for ICOH2024 for the Netherlands with other Dutch ICOH members.

Romania, Prof. Carmen Busneag

Prof. Carmen Busneag is the new NS for Romania, and occupational health physician of the National Television of Romania. Prof. Busneag promoted ICOH at the National Conference of Occupational Medicine. She appeared on prime-time TV to explain occupational cancer. (http://stiri.tvr.ro/article.php?article_id=76821). She also gave an ICOH presentation at the EU OSHA campaign, which was hosted by EU OSHA for healthy workplaces.

Russian Federation, Prof. Angelika Bashkireva

Professor Angelika Bashkireva is the first-term NS for Russia. ICOH activities in Russia have been diminished for many years. She composed a booklet about ICOH activities and the benefits of ICOH membership in Russian. This booklet was posted in Russian on the website of the Scientific and Innovation Center 'Professional Longevity' (www.prof-dolgotie.ru). She also sent an invitation letter to potential members in Russia by email. Professor Bashkireva actively participated in the conference organized by the ICOH SC (SC on Ageing and Work) and promoted ICOH at the conference organized by the national gerontology society.

Peru, Dr. Renato Vargas

Peru was the most active country in terms of recruiting new members in the last Triennium. As the NS for Peru, Dr. Renato Vargas was eager to introduce ICOH to the local occupational health association, the Peruvian Society of Occupational Health (SOPESO), the Latin-American Society of Occupational Health (ALSO), the Peruvian Medical Professional Association (Colegio Médico del Perú), and the Catholic University of Santa María (UCSM). Peruvian ICOH members played a major role in hosting the 14th ALSO Congress in 2015. Dr. Vargas participated in the international conference held in Lima in 2016 by the SC on Work and Vision. He also helped develop a local ICOH website in Spanish.

Venezuela, Prof. Maritza Rojas

Venezuelan ICOH members arranged a special session on ICOH during the XVII Congress of the Medicine Academy and the IV Congress of Sanitary Administration and Public Health, in Maracaibo, Zulia State in 2015. This is the first time that an occupational health session was organized during the event of the Medical Academy. Professor Rojas presented ICOH at the international conference organized by the Chamber of Commerce of Valencia. The Venezuelan Society of Occupational Health (SOVESO) is mostly composed of ICOH members and has organized several meetings. During the meetings, a greeting video by Professor Sergio Iavicoli was shown to the participants to encourage them to join ICOH. Professor Rojas recruited several young scientists as new members.

South Africa, Dr. Adriaan Combrinck

Dr. Adriaan Combrinck, NS for South Africa, promoted ICOH at the annual conference of the South African Society of Occupational Medicine (SASOM) and the Mine Medical Officers (MMPA) meetings and distributed the membership application form. Dr. Combrinck also hosted the ICOH regional meeting of Africa in Johannesburg in 2017. SASOM and SA ICOH members plan to host two conferences led by the SCs (MEDICHEM in Johannesburg in 2019, SC on History of Occupational and Environmental Health in Durban in May 2020).

7. Questionnaire survey

Mary Ross, Chair of the Working Group on Occupational Infectious Agents requested a survey from the NSs on the status of occupational infectious diseases in the countries. The result will be presented at the Dublin Congress or in the Newsletter.

Acknowledgements

The VP would like to express his sincere thanks to all the NSs for their enthusiastic activities for ICOH.





Editor's Report

Dr. Eun-A Kim

Dr. Eun-A Kim, KOSHA, has been Editor-in-Chief of the ICOH Newsletter since the 3rd issue in 2015. In accordance with the publishing plan (three times a year), seven editions of the ICOH Newsletter were published between December 2015 and December 2017.



The Newsletter aims to provide information on members and their activities through ICOH communities such as the Scientific Committees (SC), national gatherings and regional meetings. It comprises a president's message, editor's note, a special article on hot topics, reports from SCs and National Secretaries (NS), information on chairs and secretaries of SCs and on NSs, and any information related to members (Table 1). A French translation is also provided in the latter part of the Newsletter. The electronic version is then uploaded to the ICOH website immediately after publishing. The most important point on which the editors focused was communication among members. The president's message for this period delivered important key messages related to, for example, the main strategies and the global role of ICOH. In the second issue of 2016, a new section, "Message from the Secretary General" was introduced to deliver recent information from ICOH officers to each member. The Message from the Secretary General will make the newsletter a better messenger for ICOH. The Editors tried to encourage the SCs and NSs to report news on not only upcoming events, but also on any achievements and challenges. News from members has been increasing recently. We are considering launching a new corner for stories from young scientists or student members from 2017. A total of 24 out of 37 SCs (60%) contributed to the ICOH Newsletter through upcoming news, activity reports, hot topics, and the academic achievements of SC activities. Eight NSs submitted news regarding their national occupational health. The ICOH Newsletter needs more input from members for international communication.

Table 1. Contents of the ICOH Newsletter

Issues	Pages	Activity Reports		News	Item	Contents
		SCs	NSs			
3/2015	28	0	0	0	President	The three key strategies of ICOH
					Hot topics (2)	Report on ICOH 2015 Congress (Dr. Seong-Kyu Kang)/ MERS infection of South Korea, 2015 (Dr. Soo-Geun Kim)
1/2016	24	2	0	6	President	Global role of an Occupational Health Professional and of ICOH
					Hot topics (2)	National Biosafety Guide to Health Care Workers (Dr. Luis Mazon)/ Primary Health Care and Workers' Health (Dr. Frank van Dijk and Dr. Peter Buijs)
2/2006	24	2		7	President	Building bridges, uniting rather than dividing
					Secretary General	Secretariat General always at your disposal for all enquiries
					Hot topics (3)	Teaching Agricultural Health and Medicine (Dr. Gert van der Laan)/Occupational Health Nursing: Role in International Travel Health (Dr. Susan A. Randolph) / Occupational skin cancer: the neglected disease (Dr. Swen M John)
3/2016	29	3	2	7	President	New and concrete Global Estimates
					Secretary General	Any kind of suggestion for possible ICOH benefits is absolutely welcome!
					Hot topics (2)	WORK & SPIRITUALITY (Dr. Max Lum et al.)/ Synergistic effects of vibration and noise in inducing cochlear damage (Dr. Renata Sisto et al.)
1/2017	32	2	3	11	President	Mid-term events in Florence
					Secretary General	Increasing and reactivating membership in Peru and Nepal
					Hot topics (2)	The undervalued work of detention officers: a risky profession (Rosylane N. Rocha and Antônio Geraldo da Silva)/Well-being and sustainable development in the Arctic (Dr. Hannu Rintamäki)
					Open Mic	Discordance between the countries in which studies are conducted and the countries in which the study results are needed (Dr. Jin-Ha Yoon)

Issues	Pages	Activity Reports		News	Item	Contents
		SCs	NSs			
2/2017	44	6	2	6	President	Intensive planning for ICOH 2018 Dublin
					Secretary General	ICOH long-lasting collaboration with WHO
					Hot topics (1)	Minimum Standards on Prevention, Diagnosis and Treatment of Occupational and Work-related Skin Diseases in Europe: A consensus-based approach (Jose Hernán Alfonso, Prof. Swen Malte John and Prof. Ana M. Gimenez-Arnau)/Depression and the relation of mental disorders to work (Dr. Rosylane Rocha)
3/2017	24	4	2	4	President	Global Coalition proposal raised in the ILO-ISSA Congress
					Secretary General	Task Group on Membership has been working, in the second part of the Triennium, for the development of a specific survey addressed to the whole membership
					Hot topics (1)	Hot climate and hot work environment: A serious health concern for both indoor and outdoor workers (Dr. Vidhya Venugopal and Dr. Tord Kjellstrom)



International Commission on
Occupational Health

INDEPENDENT AUDITORS' REPORT

FCR RC006672017BD0530

INDEPENDENT AUDITORS' REPORT

To the General Assembly of the
International Commission on Occupational Health

Report on the Financial Statements

We have audited the accompanying financial statements of the International Commission on Occupational Health, which comprise the statement of financial position as at October 31, 2017, and the statement of income and expenditure, and statement of cash flows for the financial period from December 1, 2014 to October 31, 2017, and the related explanatory notes.

Directors Responsibility for the Financial Statements

The directors of the International Commission on Occupational Health are responsible for the preparation and fair presentation of these financial statements in accordance with the International Financial Reporting Standards as adopted by the European Union, and for such internal control as directors determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with International Standards on Auditing (ISA Italia) drawn up pursuant to article 11, paragraph 3, of Legislative Decree 39 of 27 January 2010. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the directors, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements give a true and fair view of the financial position of the International Commission on Occupational Health as of October 31, 2017 and of the results of its operations and cash flows for the period then ended in accordance with the International Financial Reporting Standards as adopted by the European Union.

Other Matter

The financial statements of the International Commission on Occupational Health for the period ended November 30, 2014, were audited by another auditor who expressed an unmodified opinion on those statements on February 10, 2015.

Rome, 29 December 2017

BDO Italia S.p.A.

A handwritten signature in blue ink, appearing to read 'Fabio Carlini', is written over the printed name.

Fabio Carlini
Partner

INTERNATIONAL COMMISSION ON OCCUPATIONAL HEALTH

STATEMENT OF FINANCIAL POSITION

October 31, 2017

	Notes	October 31, 2017 (CHF)	November 30, 2014 (CHF)
<u>ASSETS</u>			
Current Assets:			
Cash and cash equivalents	4	683.715	698.892
Other receivables	5	1.818	1.818
Total Assets		<u>685.533</u>	<u>700.710</u>
 <u>LIABILITIES AND FUND BALANCES</u>			
Current liabilities:			
Other payables	6	111.181	124.405
Deferred revenue		-	66
Total current liabilities		<u>111.181</u>	<u>124.471</u>
 Fund balances:			
Accumulated Funds		<u>574.353</u>	<u>576.239</u>
Total fund balances	7	<u>574.353</u>	<u>576.239</u>
 Total liabilities and fund balances		<u>685.533</u>	<u>700.710</u>

ACCUMULATED FUNDS

	2017	2014
Balance as at prior period ending	576.239	553.198
Period adjustment	-	59.803
Other receivables depreciation	-	26.784
Transfer from statement of income and expenditure -	1.886	56.060
Balance as at current period ending	<u>574.353</u>	<u>576.239</u>

INTERNATIONAL COMMISSION ON OCCUPATIONAL HEALTH

STATEMENT OF INCOME AND EXPENDITURE

Period from December 1, 2014 to October 31, 2017

	December 1, 2014 to June 5, 2015 (CHF)	June 6, 2015 to October 31, 2017 (CHF)	December 1, 2014 to October 31, 2017 (CHF)	November 1, 2011 to November 30, 2014 (CHF)	November 1, 2008 to October 31, 2011 (CHF)
INCOME					
Membership fees	39,011	347,244	386,255	402,700	392,056
Miscellaneous income	-	13,712	13,712	9,150	-
Bank interest on bond	-	-	-	9,975	21,058
Income from ICOH 2015	-	111,234	111,234	-	-
Income from ICOH 2012	-	-	-	92,201	-
Income from ICOH 2009	-	-	-	-	119,816
Foreign exchanges profit/loss	-	1,108	1,108	2,669	-
Total Income	39,011	473,298	512,309	516,695	532,930
EXPENDITURE					
Past President's expenses	1,057	554	1,611	5,009	4,311
Current President's expenses	1,730	39,117	40,848	29,747	23,525
1st Vice President's expenses	-	24,656	24,656	8,869	18,701
2nd Vice President's expenses	235	10,696	10,931	27,070	21,596
Past Secretary-General's expenses	-	-	-	-	-
Current Secretary-General's expenses	2,602	26,549	29,151	23,306	21,839
Secretariat office administration expenses	17,191	34,670	51,862	43,447	55,419
Secretariat admin. staff salary	17,999	94,738	112,737	102,844	97,828
Board meetings expenses	-	12,117	12,117	6,056	11,928
Officers' meeting	-	14,237	14,237	12,413	10,090
Scientific committees expenses	-	29,030	29,030	29,419	24,324
SCs Meetings of chairpersons/secretaries	-	11,662	11,662	13,169	7,243
ICOH Strategic Initiatives	2,860	71,168	74,028	54,183	27,423
Audit fees:					
current period	-	15,093	15,093	23,559	12,206
underprovision in prior period	-	-	-	-	4,234
Bank charges and taxes	2,112	15,324	17,436	19,015	29,825
ICOH 2009 Developing Countries Participations Support	-	-	-	-	6,496
ICOH 2012 Developing Countries Participations Support	-	-	-	-	78,000
ICOH 2012 Congress	-	-	-	23,596	-
ICOH 2015 Congress	26,573	-	26,573	-	-
Website account	3,663	17,082	20,746	25,265	31,677
Foreign exchanges loss	-	-	-	-	811
Loss on securities transaction	-	-	-	-	1,452
Printing expenses	-	21,479	21,479	13,668	-
Total expenditure	76,023	438,172	514,195	460,635	488,927
OPERATING GAIN/(DEFICIT) TRANSFERRED TO ACCUMULATED FUNDS	- 37,012	35,126	- 1,886	56,060	44,003

See accompanying notes to the financial statements.

INTERNATIONAL COMMISSION ON OCCUPATIONAL HEALTH

CASH FLOWS STATEMENT

October 31, 2017

	Notes	December 1, 2014 to October 31, 2017 (CHF)
<u>CASH FLOWS FROM OPERATING ACTIVITIES</u>		
Loss for the period:	-	1.886
Finance costs recognised in profit or loss		17.436
Net foreign exchange gain	-	1.108
		<hr/> 14.442
<i>Movements in working capital:</i>		
Increase in trade and other receivables		-
Decrease in trade and other payables	-	13.225
Decrease in deferred revenue	-	66
		<hr/> 1.151
<i>Cash generated from operations</i>		1.151
Interest paid	-	17.436
Net foreign exchange gain		1.108
		<hr/> 15.177
Net cash generated by operating activities	-	15.177
 <u>CASH FLOWS FROM INVESTING ACTIVITIES</u>		
		-
 <u>CASH FLOWS FROM FINANCING ACTIVITIES</u>		
		-
 <u>NET DECREASE IN CASH AND CASH EQUIVALENTS</u>		
	-	15.177
CASH AND CASH EQUIVALENTS AT THE BEGINNING OF THE PERIOD		698.892
CASH AND CASH EQUIVALENTS AT THE END OF THE PERIOD		<hr/> 683.715

INTERNATIONAL COMMISSION ON OCCUPATIONAL HEALTH

NOTES TO THE FINANCIAL STATEMENTS

October 31, 2017

1. GENERAL

The organization was founded in 1906 in Milan (Italy) as the Permanent Commission on Occupational Health. The principal place of operation of the organization is at INAIL, Research Area, Department of Occupational and Environmental Medicine, Epidemiology and Hygiene, Via Fontana Candida 1, 00078 Monteporzio Catone, Rome-Italy.

The principal activity of the organization is to foster the scientific progress, knowledge and development of occupational health and related subjects on international basis.

The functional currency of the organization is the Swiss Franc; therefore all figures in the financial statements are expressed in Swiss Francs.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

BASIS OF ACCOUNTING – The financial statements are prepared in accordance with the historical cost convention and are drawn up in accordance with the provisions of the International Financial Reporting Standards.

FINANCIAL ASSETS – Financial assets include cash and bank balances and other receivables. Other receivables are stated at their nominal values as reduced by appropriate allowances for estimated irrecoverable amounts.

FINANCIAL LIABILITIES – Financial liabilities are classified according to the substance of the contractual arrangements entered into. Financial liabilities include other creditors and are stated at their nominal values.

FOREIGN CURRENCY TRANSACTIONS – Transactions in foreign currencies are recorded in Swiss Francs at the rates ruling at the date of the transactions. At each balance sheet date, recorded foreign currency monetary balances are reported at the rates ruling at the balance sheet date. All realized and unrealized exchange adjustment gains and losses are dealt with in the income statement.

INTEREST ON FIXED DEPOSITS – Interest on fixed deposits is recognized on an accrual basis.

MEMBERSHIP SUBSCRIPTIONS – Membership subscriptions are recognized on a cash basis.

RETIREMENT BENEFIT COSTS – Payments to defined contribution retirement benefit plans (including state-managed retirement benefit schemes) are charged as an expense when incurred (as stated below, the organization has currently no employees).

3. FINANCIAL RISKS AND MANAGEMENT

i) Credit risk

The organization has minimal credit risk as most of the organization's income are on cash terms.

ii) Interest rate risk

The organization is not exposed to any interest risk except for certain cash balances, which are interest bearing.

iii) Foreign currency risk

The organization's foreign currency exposures arise mainly from the fluctuations in the exchange rate for the United States dollar, the Swiss Francs and the Euro which is also the organization's reporting currency. It has to be noted that, at the end of the current period, the organization holds bank accounts denominated in Swiss Francs and Euros only. The organization's management believes that their foreign exchange rate risk is minimal. Hence, the organization does not use any derivative financial instruments to mitigate this risk.

iv) Liquidity risk

The organization has sufficient liquidity at all times through efficient cash management. The organization's ability to meet its obligations is managed by maintaining appropriate level of cash balances.

v) Fair value of financial assets and financial liabilities

The carrying amounts of financial assets and financial liabilities reported in the balance sheet approximate their fair value.

4. CASH AND CASH EQUIVALENTS

	<u>2017</u>	<u>2014</u>
	CHF	CHF
Time deposits	-	-
Cash and bank	<u>683.715</u>	<u>698.892</u>
	<u>683.715</u>	<u>698.892</u>

5. OTHER RECEIVABLES

	<u>2017</u>	<u>2014</u>
	CHF	CHF
Loan to Congress	-	-
Others	<u>1.818</u>	<u>1.818</u>
	<u>1.818</u>	<u>1.818</u>

6. OTHER PAYABLES

	<u>2017</u>	<u>2014</u>
	CHF	CHF
Accrued expenses	99.565	104.471
Audit fees payable	<u>11.616</u>	<u>20.000</u>
	<u>111.181</u>	<u>124.471</u>

7. ACCUMULATED FUNDS

	<u>2017</u>	<u>2014</u>
	CHF	CHF
Balance as at prior period ending	576.239	553.198
Period adjustment	-	(59.803)
Other receivables depreciation	-	26.784
Transfer from statement of income and expenditure	<u>- 1.886</u>	<u>56.060</u>
Balance as at current period ending	<u>574.353</u>	<u>576.239</u>

8. STAFF COSTS

	<u>2017</u>	<u>2014</u>
	CHF	CHF
Staff costs	<u>-</u>	<u>-</u>
Costs of defined contribution plans included in staff costs	<u>-</u>	<u>-</u>

Number of employees at end of the period

-

-

9. RECLASSIFICATIONS AND COMPARATIVE FIGURES

Financial statements for the period 2014-2017 cover the financial period from December 1st, 2014 to October 31st, 2017. The financial statements for the period 2011-2014 cover the financial period from November 1st, 2011 to November 30st, 2014.

Prior period's financial statements classification has been kept for comparability with the current period's financial statements. The figures related to the period ending on October 31st, 2017 are split for the Statement of Income and Expenditure purposes in two columns, referred to the period December 1st 2014 - June 5th 2015 and to the period June 6th 2015 - October 31st, 2017, to provide separate evidence of the incomes and expenditures pertaining to current and prior management respectively.



PRESIDENT

Dr. Jukka Takala
Lintuniemennokka 33
FI – 33680 TAMPERE
Finland
Tel: +358 33600321
Email: ICOHPresident@inail.it

VICE PRESIDENT

Dr. Marilyn Fingerhut
OH Consultant to NIOSH
2121 Jamieson Avenue #2109
Alexandria VA 22314-5734
USA
Tel: +1 703 5670987
Fax: +1 703 5670987
Email: mfingerhut@cdc.gov

VICE PRESIDENT

Prof. Seong –Kyu Kang
Consultant to KOSHA
Dept. of Occupational and Environmental
Medicine
Gachon University Gil Medical Center
21 Namdongdaero 774beon-gil, Namdong-gu
Incheon, 21565
Rep of Korea
Tel: +82-32-460-3790
Fax: +82-32-460-3999
Email: sk.kang@gachon.ac.kr

SECRETARY-GENERAL

Prof. Sergio Iavicoli
INAIL, Research Area
Italian Workers' Compensation Authority
Department of Occupational and
Environmental Medicine, Epidemiology and
Hygiene
Via Fontana Candida 1
00078 – Monteporzio Catone (Rome)
Italy
Tel: +39 06 94181506
Fax: +39 06 94181556
Email: s.iavicoli@inail.it

PAST PRESIDENT

Dr. Kazutaka Kogi (Japan)

MEMBERS OF THE BOARD

Prof. Andrew Curran (United Kingdom)
Dr. Dag Ellingsen (Norway)
Dr. Elia Enriquez (Mexico)
Prof. Monique Frings-Dresen (The
Netherlands)
Dr. Mats Hagberg (Sweden)
Dr. Martin Hogan (Ireland)
Prof. Seichi Horie (Japan)
Dr. Dingani Moyo (Zimbabwe)
Ms. Claudina Nogueira (South Africa)
Dr. Robert Orford (USA)
Dr. Rosa Maria Orriols Ramos (Spain)
Prof. Christophe Paris (France)
Prof. Kari Reijula (Finland)
Dr. Edoardo Santino (Brazil)
Ms. Maria Luisa Tupia Gonzales (Peru)
Dr. Shrinivas Murlidhar Shanbhag (India)
Prof. Malcolm Sim (Australia)
Prof. Jukka Vuori (Finland)

INFO

Website: www.icohweb.org
Email: icoh@inail.it

To BDO Italia S.p.A.
via Ludovisi, 16
00187 Roma

Monte Porzio Catone, December 29, 2017

This representation letter is provided in connection with your audit of the attached financial statements of the International Commission on Occupational Health for the period ended June 5, 2015 for the purpose of expressing an opinion as to whether the financial statements give a true and fair view in accordance with International Financial Reporting Standards.

We confirm that (to the best of our knowledge and belief, having made such inquiries as we considered necessary for the purpose of appropriately informing ourselves):

Financial Statements

- We have fulfilled our responsibilities for the preparation of the financial statements in accordance with International Financial Reporting Standards; in particular the financial statements give a true and fair view in accordance therewith.
- Significant assumptions used by us in making accounting estimates, including those measured at fair value, are reasonable.
- Related party relationships and transactions have been appropriately accounted for and disclosed in accordance with the requirements of International Financial Reporting Standards.
- All events subsequent to the date of the financial statements and for which International Financial Reporting Standards require adjustment or disclosure have been adjusted or disclosed.
- There are no uncorrected misstatements.

Information Provided

- We have provided you with:
 - Access to all information of which we are aware that is relevant to the preparation of the financial statements, such as records, documentation and other matters;
 - Additional information that you have requested from us for the purpose of the audit: and



PRESIDENT

Dr. Jukka Takala
Lintuniemennokka 33
FI - 33680 TAMPERE
Finland
Tel: +358 33600321
Email: ICOHPresident@inail.it

VICE PRESIDENT

Dr. Marilyn Fingerhut
OH Consultant to NIOSH
2121 Jamieson Avenue #2109
Alexandria VA 22314-5734
USA
Tel: +1 703 5670987
Fax: +1 703 5670987
Email: mfingerhut@cdc.gov

VICE PRESIDENT

Prof. Seong-Kyu Kang
Consultant to KOSHA
Dept. of Occupational and Environmental
Medicine
Gachon University Gil Medical Center
21 Namdongdaero 774beon-gil, Namdong-gu
Incheon, 21565
Rep of Korea
Tel: +82-32-460-3790
Fax: +82-32-460-3999
Email: sk.kang@gachon.ac.kr

SECRETARY-GENERAL

Prof. Sergio Iavicoli
INAIL, Research Area
Italian Workers' Compensation Authority
Department of Occupational and
Environmental Medicine, Epidemiology and
Hygiene
Via Fontana Candida 1
00078 - Monteporzio Catone (Rome)
Italy
Tel: +39 06 94181506
Fax: +39 06 94181556
Email: s.iavicoli@inail.it

PAST PRESIDENT

Dr. Kazutaka Kogi (Japan)

MEMBERS OF THE BOARD

Prof. Andrew Curran (United Kingdom)
Dr. Dag Ellingsen (Norway)
Dr. Elia Enriquez (Mexico)
Prof. Monique Frings-Dresen (The
Netherlands)
Dr. Mats Hagberg (Sweden)
Dr. Martin Hogan (Ireland)
Prof. Seichi Horie (Japan)
Dr. Dingani Moyo (Zimbabwe)
Ms. Claudina Nogueira (South Africa)
Dr. Robert Orford (USA)
Dr. Rosa Maria Orriols Ramos (Spain)
Prof. Christophe Paris (France)
Prof. Kari Reijula (Finland)
Dr. Edoardo Santino (Brazil)
Ms. Maria Luisa Tupia Gonzales (Peru)
Dr. Shrinivas Murlidhar Shanbhag (India)
Prof. Malcolm Sim (Australia)
Prof. Jukka Vuori (Finland)

INFO

Website: www.icohweb.org
Email: icoh@inail.it

- Unrestricted access to persons within the entity from whom you determined it necessary to obtain audit evidence.
- All transactions have been recorded in the accounting records and are reflected in the financial statements.
- We have disclosed to you the results of our assessment of the risk that the financial statements may be materially misstated as a result of fraud.
- We have disclosed to you all information in relation to fraud or suspected fraud that we are aware of and that affects the entity and involves:
 - Management;
 - Employees who have significant roles in internal control; or
 - Others where the fraud could have a material effect on the financial statements. (ISA 240)
- We have disclosed to you all information in relation to allegations of fraud or suspected fraud, affecting the entity's financial statements communicated by employees, former employees, analysts, regulators or others.
- We have disclosed to you all known instances of non-compliance or suspected non-compliance with laws and regulations whose effects should be considered when preparing financial statements.
- We have disclosed to you the identity of the entity's related parties and all the related party relationships and transactions of which we are aware.

With our best regards

Dr. Kazutaka Kogi
Past President

Prof. Sergio Iavicoli
Secretary-General



PRESIDENT

Dr. Jukka Takala
Lintuniemennokka 33
FI – 33680 TAMPERE
Finland
Tel: +358 33600321
Email: ICOHPresident@inail.it

To BDO Italia S.p.A.
via Ludovisi, 16
00187 Roma

VICE PRESIDENT

Dr. Marilyn Fingerhut
OH Consultant to NIOSH
2121 Jamieson Avenue #2109
Alexandria VA 22314-5734
USA
Tel: +1 703 5670987
Fax: +1 703 5670987
Email: mfingerhut@cdc.gov

Monte Porzio Catone, December 29, 2017

VICE PRESIDENT

Prof. Seong –Kyu Kang
Consultant to KOSHA
Dept. of Occupational and Environmental
Medicine
Gachon University Gil Medical Center
21 Namdongdaero 774beon-gil, Namdong-gu
Incheon, 21565
Rep of Korea
Tel: +82-32-460-3790
Fax: +82-32-460-3999
Email: sk.kang@gachon.ac.kr

This representation letter is provided in connection with your audit of the attached financial statements of the International Commission on Occupational Health for the period ended October 31, 2017 for the purpose of expressing an opinion as to whether the financial statements give a true and fair view in accordance with International Financial Reporting Standards.

We confirm that (to the best of our knowledge and belief, having made such inquiries as we considered necessary for the purpose of appropriately informing ourselves):

SECRETARY-GENERAL

Prof. Sergio Iavicoli
INAIL, Research Area
Italian Workers' Compensation Authority
Department of Occupational and
Environmental Medicine, Epidemiology and
Hygiene
Via Fontana Candida 1
00078 – Monteporzio Catone (Rome)
Italy
Tel: +39 06 94181506
Fax: +39 06 94181556
Email: s.iavicoli@inail.it

Financial Statements

- We have fulfilled our responsibilities for the preparation of the financial statements in accordance with International Financial Reporting Standards; in particular the financial statements give a true and fair view in accordance therewith.
- Significant assumptions used by us in making accounting estimates, including those measured at fair value, are reasonable.
- Related party relationships and transactions have been appropriately accounted for and disclosed in accordance with the requirements of International Financial Reporting Standards.
- All events subsequent to the date of the financial statements and for which International Financial Reporting Standards require adjustment or disclosure have been adjusted or disclosed.
- There are no uncorrected misstatements.

PAST PRESIDENT

Dr. Kazutaka Kogi (Japan)

MEMBERS OF THE BOARD

Prof. Andrew Curran (United Kingdom)
Dr. Dag Ellingsen (Norway)
Dr. Elia Enriquez (Mexico)
Prof. Monique Frings-Dresen (The Netherlands)
Dr. Mats Hagberg (Sweden)
Dr. Martin Hogan (Ireland)
Prof. Seichi Horie (Japan)
Dr. Dingani Moyo (Zimbabwe)
Ms. Claudina Nogueira (South Africa)
Dr. Robert Orford (USA)
Dr. Rosa Maria Orriols Ramos (Spain)
Prof. Christophe Paris (France)
Prof. Kari Reijula (Finland)
Dr. Edoardo Santino (Brazil)
Ms. Maria Luisa Tupia Gonzales (Peru)
Dr. Shrinivas Murlidhar Shanbhag (India)
Prof. Malcolm Sim (Australia)
Prof. Jukka Vuori (Finland)

Information Provided

- We have provided you with:
 - Access to all information of which we are aware that is relevant to the preparation of the financial statements, such as records, documentation and other matters;
 - Additional information that you have requested from us for the purpose of the audit: and

INFO

Website: www.icohweb.org
Email: icoh@inail.it



PRESIDENT

Dr. Jukka Takala
Lintu Niemennokka 33
FI - 33680 TAMPERE
Finland
Tel: +358 33600321
Email: ICOHPresident@inail.it

VICE PRESIDENT

Dr. Marilyn Fingerhut
OH Consultant to NIOSH
2121 Jamieson Avenue #2109
Alexandria VA 22314-5734
USA
Tel: +1 703 5670987
Fax: +1 703 5670987
Email: m.fingerhut@cdc.gov

VICE PRESIDENT

Prof. Seong-Kyu Kang
Consultant to KOSHA
Dept. of Occupational and Environmental
Medicine
Gachon University Gil Medical Center
21 Namdong-daero 774beon-gil, Namdong-gu
Incheon, 21565
Rep of Korea
Tel: +82-32-460-3790
Fax: +82-32-460-3999
Email: sk.kang@gachon.ac.kr

SECRETARY-GENERAL

Prof. Sergio Iavicoli
INAIL, Research Area
Italian Workers' Compensation Authority
Department of Occupational and
Environmental Medicine, Epidemiology and
Hygiene
Via Fontana Candida 1
00078 - Monteporzio Catone (Rome)
Italy
Tel: +39 06 94181506
Fax: +39 06 94181556
Email: s.iavicoli@inail.it

PAST PRESIDENT

Dr. Kazutaka Kogi (Japan)

MEMBERS OF THE BOARD

Prof. Andrew Curran (United Kingdom)
Dr. Dag Ellingsen (Norway)
Dr. Elia Enriquez (Mexico)
Prof. Monique Frings-Dresen (The
Netherlands)
Dr. Mats Hagberg (Sweden)
Dr. Martin Hogan (Ireland)
Prof. Seichi Horie (Japan)
Dr. Dingani Moyo (Zimbabwe)
Ms. Claudina Nogueira (South Africa)
Dr. Robert Orford (USA)
Dr. Rosa Maria Orriols Ramos (Spain)
Prof. Christophe Paris (France)
Prof. Kari Reijula (Finland)
Dr. Edoardo Santino (Brazil)
Ms. Maria Luisa Tupia Gonzales (Peru)
Dr. Shrinivas Murlidhar Shanbhag (India)
Prof. Malcolm Sim (Australia)
Prof. Jukka Vuori (Finland)

INFO

Website: www.icohweb.org
Email: icoh@inail.it

- Unrestricted access to persons within the entity from whom you determined it necessary to obtain audit evidence.
- All transactions have been recorded in the accounting records and are reflected in the financial statements.
- We have disclosed to you the results of our assessment of the risk that the financial statements may be materially misstated as a result of fraud.
- We have disclosed to you all information in relation to fraud or suspected fraud that we are aware of and that affects the entity and involves:
 - Management;
 - Employees who have significant roles in internal control; or
 - Others where the fraud could have a material effect on the financial statements. (ISA 240)
- We have disclosed to you all information in relation to allegations of fraud or suspected fraud, affecting the entity's financial statements communicated by employees, former employees, analysts, regulators or others.
- We have disclosed to you all known instances of non-compliance or suspected non-compliance with laws and regulations whose effects should be considered when preparing financial statements.
- We have disclosed to you the identity of the entity's related parties and all the related party relationships and transactions of which we are aware.

With our best regards

Dr. Jukka Takala
President

Prof. Sergio Iavicoli
Secretary-General

Sustaining Members

Organization	Country
Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST)	Canada
Croatian Institute for Health Protection and Safety at Work	Croatia
National Research Centre for the Working Environment	Denmark
Finnish Institute of Occupational Health (FIOH)	Finland
The Finnish Work Environment Fund	Finland
Institut National de Recherche et de Sécurité (INRS)	France
Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (BAuA)	Germany
Clinica del Lavoro “L. Devoto”	Italy
Fondazione Salvatore Maugeri	Italy
Italian Workers’ Compensation Authority (INAIL)	Italy
Occupational Health Promotion Foundation	Japan
University of Occupational and Environmental Health	Japan
Korea Occupational Safety and Health Agency (KOSHA)	Republic of Korea
Workplace Safety and Health Institute	Singapore
PREVENT	Sweden
International SOS Foundation	The Netherlands
Health and Safety Laboratory	United Kingdom
International Institute of Risk and Safety Management	United Kingdom
IOSH – Institution of Occupational Safety and Health	United Kingdom
National Institute for Occupational Safety and Health (NIOSH)	USA

Affiliate Members

Organization	Country
Sociedad de Medicina del Trabajo de la Provincia de Buenos Aires	Argentina
Australian and New Zealand Society of Occupational Medicine	Australia
National Association of Occupational Medicine (ANAMT)	Brazil
MEDICHEM	Germany
Faculty of Occupational Medicine of the RCPI	Ireland
Occupational Health Nurses Association for Ireland	Ireland
Associazione Italiana di Radioprotezione Medica (AIRM)	Italy
Società Italiana di Medicina del Lavoro e Igiene Industriale (SIMLII)	Italy
Japan Society for Occupational Health	Japan
Philippine College of Occupational Medicine	Philippines
Sociedade Portuguesa de Medicina do Trabalho	Portugal
Korean Society of Occupational and Environmental Medicine	Republic of Korea
Asociacion de Especialistas en Enfermeria del Trabajo	Spain
Sociedad Espanola de Oncologia Medica	Spain
The Society of Occupational Medicine	United Kingdom
American College of Occupational and Environmental Medicine	USA
Venezuelan Society on Occupational Health	Venezuela

ICOH2021
MELBOURNE

33rd ICOH CONGRESS 2021

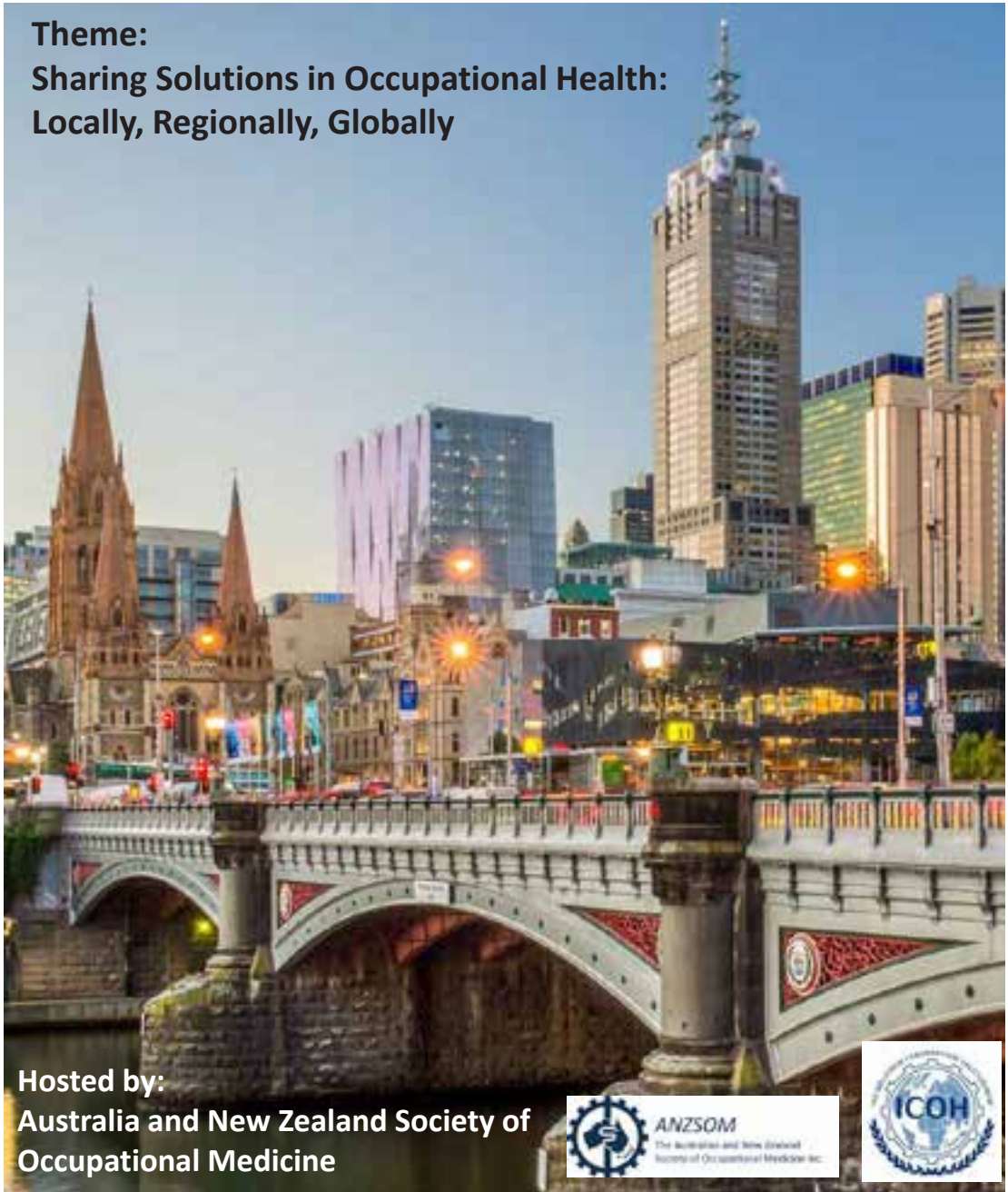
Melbourne Convention & Exhibition Centre

21st – 26th March 2021

www.ich2021.org

Theme:

**Sharing Solutions in Occupational Health:
Locally, Regionally, Globally**



Hosted by:
**Australia and New Zealand Society of
Occupational Medicine**



ISBN 978-88-943469-0-9 (print)
ISBN 978-88-943469-1-6 (pdf)