

# GISHW活動と国際標準化に向けた動き



## Global Initiative for Safety, Health & Well-being @EXPO2025 and Beyond



Global Initiative for Safety, Health & Well-being at EXPO2025 and Beyond  
Executive Committee, Chairperson



Global Coalition for Safety and Health at Work  
Task Group on Vision Zero at the Enterprise Level, Member



IEC/SC121A/WG3(制御機器・制御システム)  
Expert Member



日本認証株式会社  
代表取締役会長



IDEC株式会社 名誉顧問  
Chief Safety, Health and Well-being Officer



日時: 2024年9月9日



(一社)セーフティグローバル推進機構 (IGSAP)  
理事(兼)エグゼクティブ委員会委員長  
藤田 俊弘 (工学博士)

# 内容

## 1) 日本が目指す新しい時代の安全・安心・ウェルビーイングと生産性向上の考え方

- 1980年代からの世界の安全国際標準潮流について
- 2015年日本発提唱の協調安全とポジティブ安全とは？

国際標準の潮流  
&  
協調安全の提唱

## 2) 国際的な仲間づくりと海外機関と連携推進

- SIAS2024フィンランド国際会議での協調安全の浸透
- Vision Zero Summit Japan 2022の成功による国際連携ネットワークの拡大

国際的仲間づくり  
&  
世界連携の重要性

## 3) 日本が安全・安心・ウェルビーイングと生産性向上のリーダー国となるビジョン

- 国際会議と国際展示会の日本定期開催による国際標準化リーダーシップ
- EXPO2025での2000人の海外専門家との世界初イベントによるトリガー
- 経済産業省・日本規格協会・工業会 & 国際機関・海外有識者との連携継続

EXPO2025活用の  
アクションと  
ビジョン

# 安全の考え方の20年周期での変化と 日本から提唱している協調安全（ロボットをライオンで示す）

1970

1980

1990

2000

2010

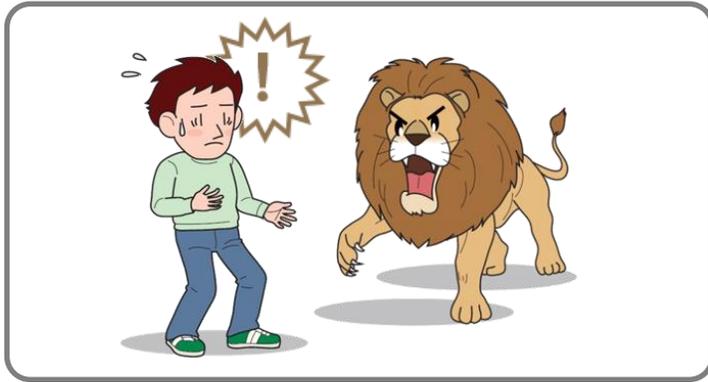
2020

2030

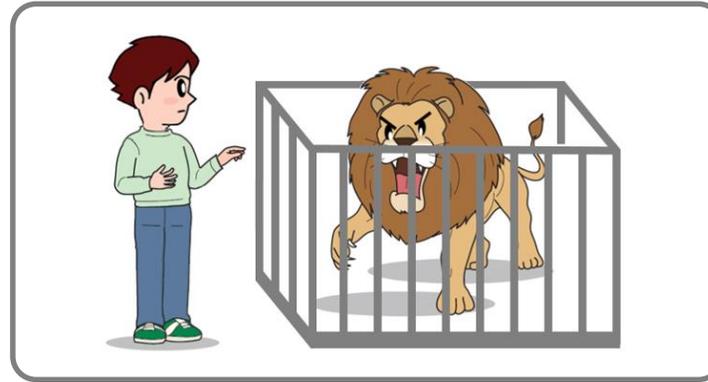
**Caution!**

**Safety**

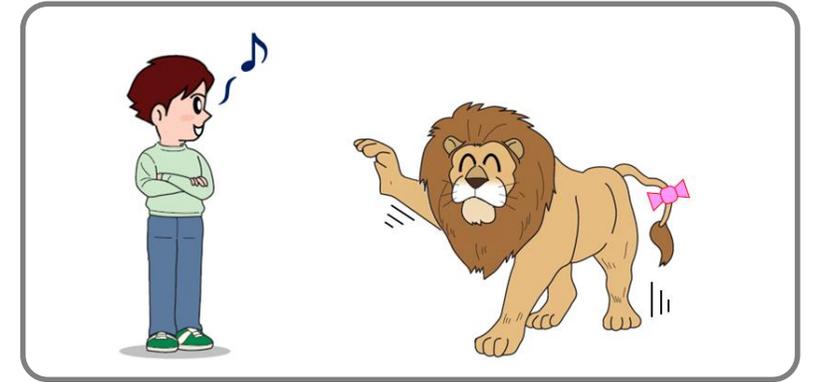
**Safety + Well-being**



**Safety 0.0**



**Safety 1.0**



**Safety 2.0**

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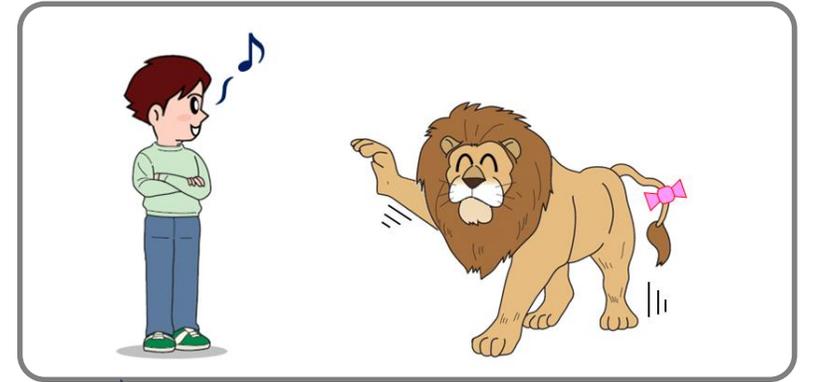
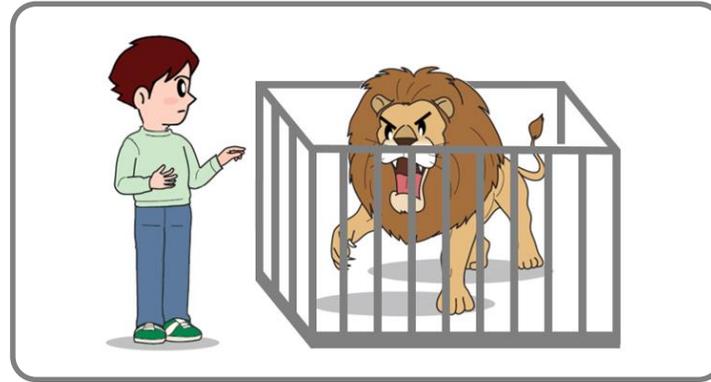
2020

2030

**Caution!**

**Safety**

**Safety + Well-being**



**Safety 0.0**

**Safety 1.0**

**Safety 2.0**

欧州主導

日本提唱・主導



# 安全の考え方の20年周期での変化と 日本から提唱している協調安全（ロボットをライオンで示す）

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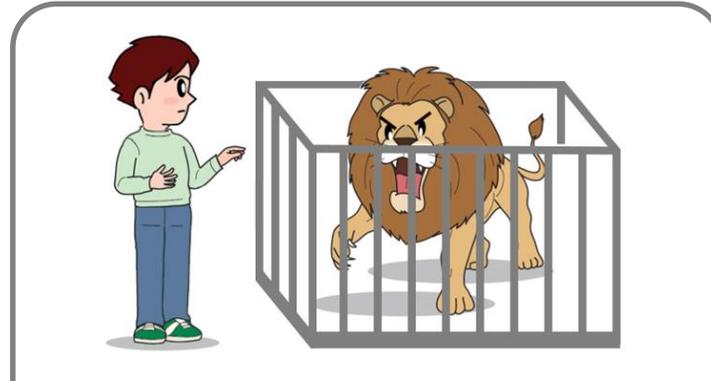
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Caution!

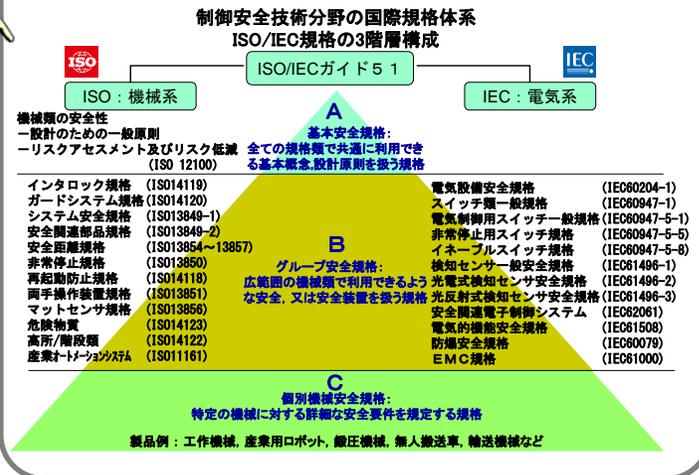
Safety



Safety 0.0

Safety 1.0

欧州標準の黒船来航



# 安全の考え方の20年周期での変化と 日本から提唱している協調安全（ロボットをライオンで示す）

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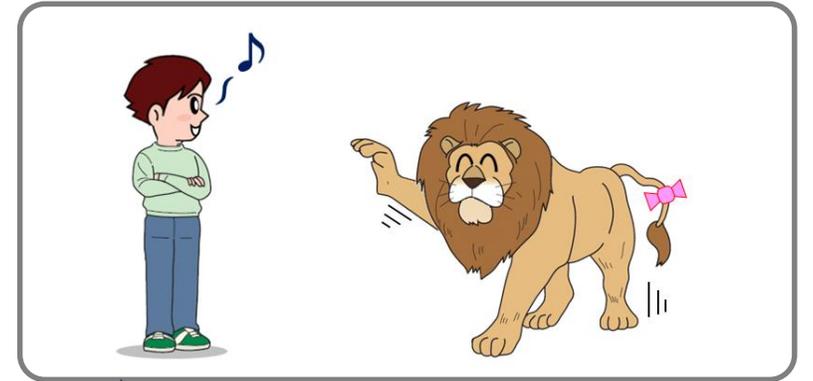
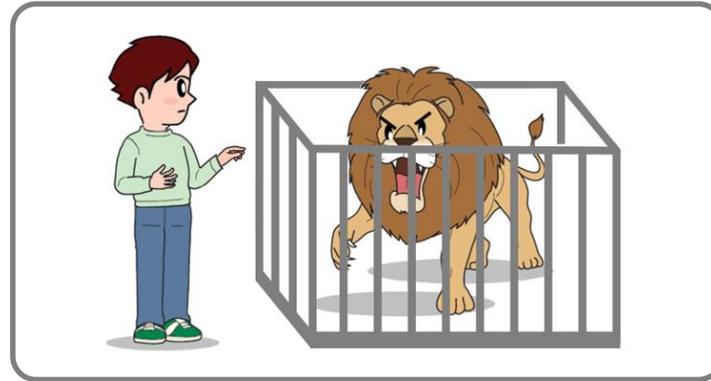
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**Caution!**

**Safety**

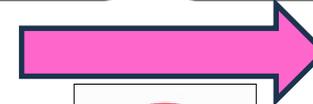
**Safety + Well-being**



**Safety 0.0**

**Safety 1.0**

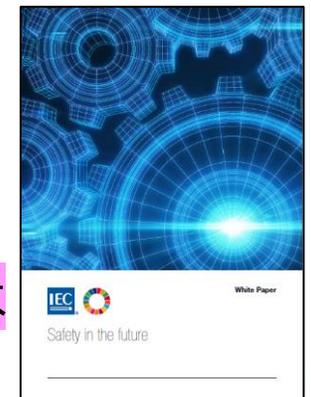
**Safety 2.0**



2020年に日本発IEC白書  
"Safety in the Future"発行。



IEC ACOSから日本提唱の国際規格「IEC GUIDE 127」が日本主導で2025年に発行予定。



# 安全の考え方の20年周期での変化と 日本から提唱している協調安全（ロボットをライオンで示す）

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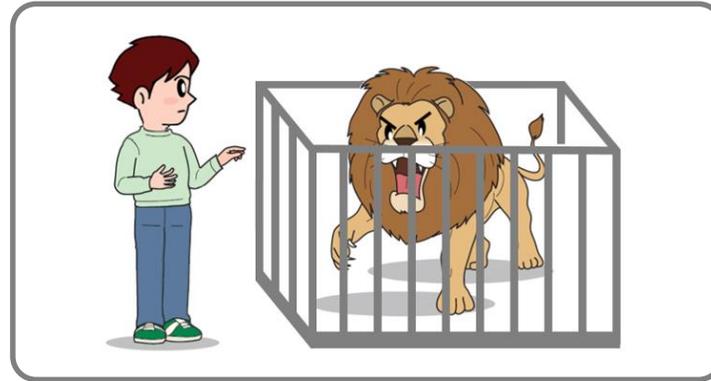
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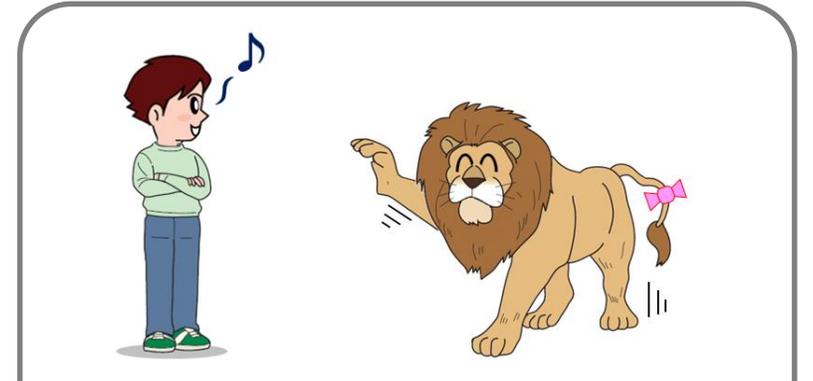
**Safety + Well-being**



**Safety 0.0**

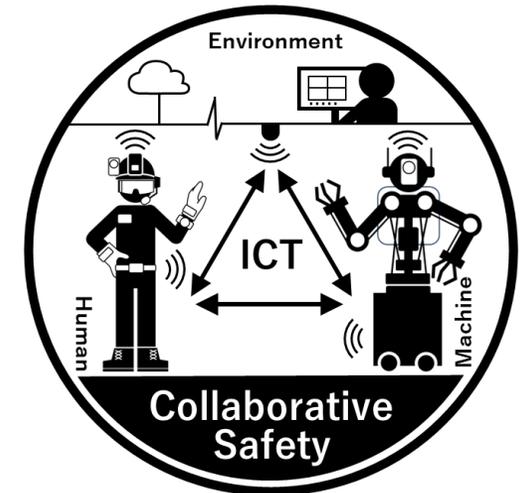


**Safety 1.0**

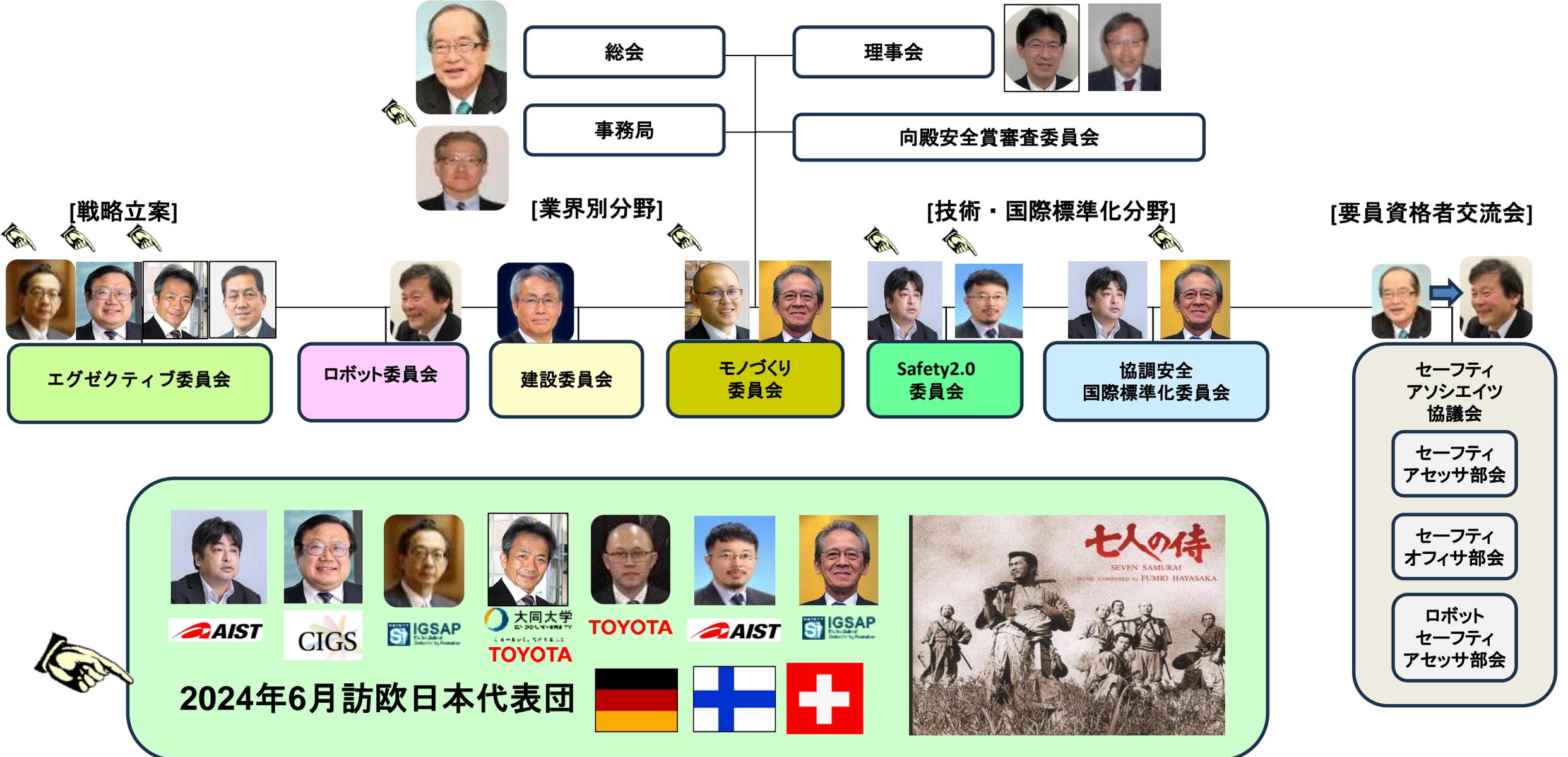


**Safety 2.0**

ICT技術を使って、リスク情報をリアルタイムで共有して、協調させることにより安全確保する



# IGSAP委員会構成と2024年訪欧日本代表団



# International Conference on the Safety of Industrial Automated Systems – SIAS 2024

12-13, June 2024 Tampere, Finland

世界で唯一の安全技術の国際会議  
6年ぶりにリアルで開催!!



Safety of Industrial Automated Systems – SIAS 2024, 12. – 13. June 2024, Tampere, Finland



SAFETY OF INDUSTRIAL AUTOMATED SYSTEMS – SIAS 2024  
12. - 13. JUNE 2024, @ HOTEL ILVES, TAMPERE, FINLAND

**Dear Colleagues**

It is my pleasure to invite you to Tampere, Finland to participate in the Safety of Industrial Automated Systems – SIAS 2024 – Conference. The conference was previously held in Montreal, Soers, Tampere, Chicago, Nancy and Tokyo. Tampere is a technology-oriented city and is home to, among others, Tampere University, research units of VTT Technical Research Centre of Finland, Forum for Intelligent Machines and various industrial facilities that apply automation and mobile machines. Technology has also been very important in the city's history. Electrical light lit up first times in Tampere already in 1882 – first in Nordic countries and fifth in Europe. Electric lights also provided a new technology to improve fire safety by replacing the gas light. Since then, several innovations have been developed and applied at Tampere. The conference venue, Hotel Ilves, is located in the Tampere city centre.

- Timo Mäkinen, Chair of the NOC

**IMPORTANT DATES**

- Call for papers August 2023
- Submission of abstracts December 2023
- Notification of acceptance March 2024
- Submission of full papers April 2024
- Early registration April 2024
- Conference 12.-13. June 2024, at Ilves hotel in Tampere, Finland

**SCOPE**

Automation has reduced the frequency of man-machine physical interactions; however, it has increased the complexity of human interventions. Therefore, it is not always evident that when the degree of automation increases, the number of accidents decreases. Accidents often occur during maintenance, troubleshooting and repairing and usually because the machine starts up unexpectedly. Better understanding about these conditions of man-machine interface as well as development of methods, means and tools to control them needs to be considered. This conference takes a close look at research and development in industrial from safety viewpoint. The conference will be of interest to work systems and users, designers and occupational health & safety experts interested in the general theme of Safety of Industrial Automated Systems. The planned topics describe a non-exhaustive list of suggested themes. Other topics related to the scope will be considered. Texts, posters and oral presentations will be in English.

**PAPER SUBMISSION**

The abstracts written in English should contain title, authors, affiliations, address and email address of the corresponding author. Appropriate length is 500-1000 words without any figures. Submission of all papers and abstracts is handled via EasyChair. The Scientific Committee will select the presentations on the basis of the abstracts. The presenter will be asked to provide an article of max 6 pages to be published in the proceedings of the conference. The proceedings will carry an ISSN number and the copyrights are held by the Finnish Society of Automation. The proceedings will be available at Finnish Society of Automation website.

**SCIENTIFIC COMMITTEE**

- Tetsuroki Sato, INCSG, Japan
- Jean-Christophe Baille, INRS, France
- Damien Doret-Vienney, FOST, Canada
- Jaroslaw Jaskowski, CCKP-PSL, Poland
- Nicholas Hall, HSE, UK
- Lenn Winkler, INRS, France
- Thomas Blaser, IFA - OGVV, Germany
- Toshihiro Fujita, NECA, Japan
- Yoji Yamada, National Institute of Technology, Tohoku College, Japan
- Yuvraj Chavhan, Polytechnique Montreal, Canada
- Timo Mäkinen, VTT Technical Research Centre of Finland
- Riitta Tuusonen, VTT Technical Research Centre of Finland
- Jouni Kivimäki-Rahvasto, Tampere University, Finland
- Minna Lahti, Tampere University, Finland

**NATIONAL PROGRAMME COMMITTEE**

- Timo Mäkinen, VTT Technical Research Centre of Finland
- Riitta Tuusonen, VTT Technical Research Centre of Finland
- Marko Vuorio, Finnish Society of Automation, Finland
- Aso Ranjiv-Singhania, Finnish Society of Automation, Finland
- Jouni Kivimäki-Rahvasto, Tampere University, Finland
- Jyrki Laaksoharju, Tampere University, The Robotics Society in Finland
- Ossi Raatikainen, Tampere University of Applied Sciences, Finland
- Anika-Pirkka Rappaport, Mettler, Finland
- Aarti Sene, IFMA, Finland

**PROPOSED TOPICS**

- Safety of machinery**
  - Safety concepts and principles
  - Design rules and strategy
  - Engineering-economic multidisciplinary in safety research
  - Collaboration with autonomous machines
- Risk assessment**
  - Hazard identification, historic experience, mitigation
  - Methodologies
- Practical applications/experiences**
  - Accident analysis and investigation
  - Economics of safety
- Human and organizational factors**
  - Organizational design, management and leadership
  - Socio-technical system approach to automation safety
  - Safety culture
- Protective devices and systems**
  - Safety of autonomous machines, robots and cobots
  - Intelligent personal protective equipment
- Control system designs and evaluations**
  - AI and safety
  - Digital twins
  - Cybersecurity
  - XI technologies improving safety
- Standardization and regulations**
  - Standardization in the safety of machinery
  - Effects of new EU regulations
- Functional safety**
  - SILs and PLs of intelligent devices
  - Experience of new functional safety standards

SIAS会議での主たる日本企業等からの講演者の所属



VTT Tampere University  
WWW.AUTOMAATIOSEURA.FI/SIAS2024



	1999	2001	2003	2005	2007	2010	2012	2015	2018	2021	2024	2026
Venue, Country	Montreal, Canada	Bonn, Germany	Nancy, France	Chicago, USA	Tokyo, Japan	Tampere, Finland	Montreal, Canada	Königswinter, Germany	Nancy, France	Online, Japan	Tampere, Finland	Osaka, Japan

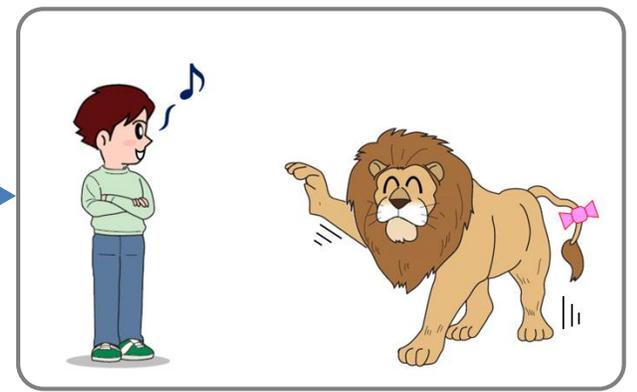
Held Virtually

**Safety**



**Safety 1.0**

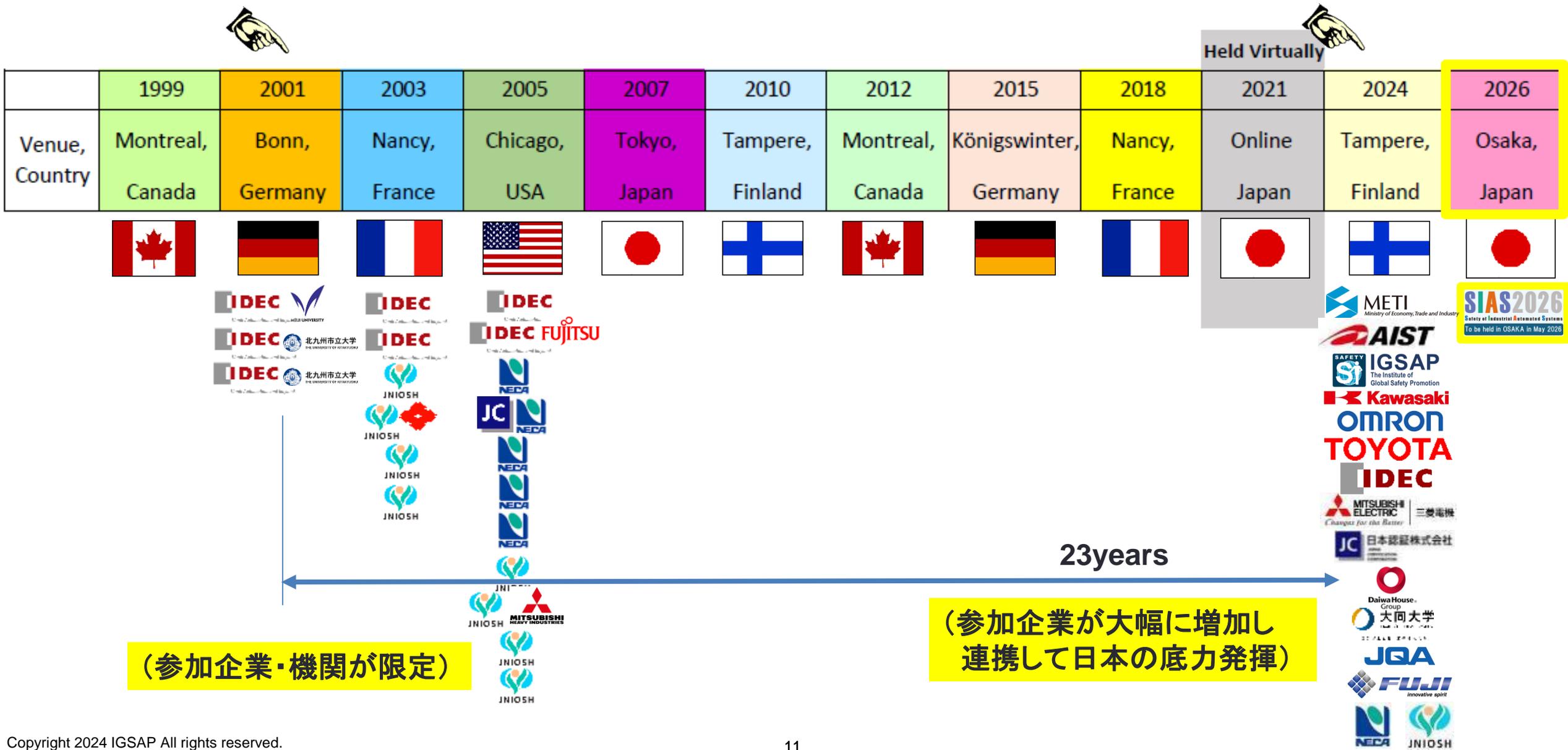
**Safety + Well-being**



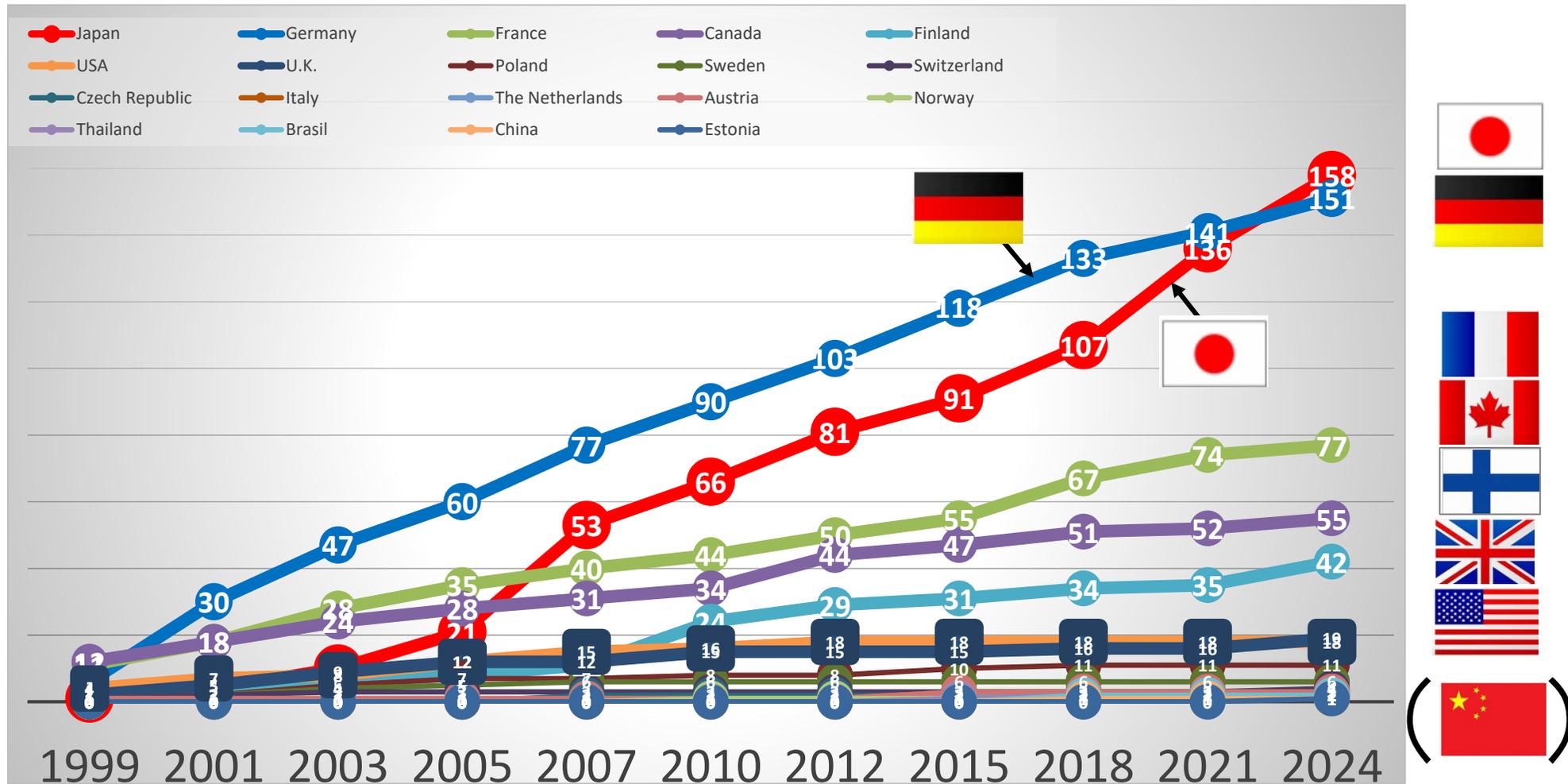
**Safety 2.0**

# International Conference on the Safety of Industrial Automated Systems(SIAS)

## SIAS Hosting Countries: 1999 - 2026



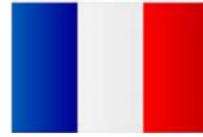
# SIAS安全国際会議での各国別累計発表件数推移



2000年代のドイツリードの安全技術力に、2024年には日本が肩を並べる状況を実現、ドイツと連携して世界をリードできる兆候が見える所へきた。

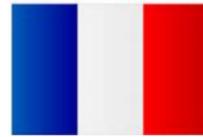
# G7

(Group of Seven)



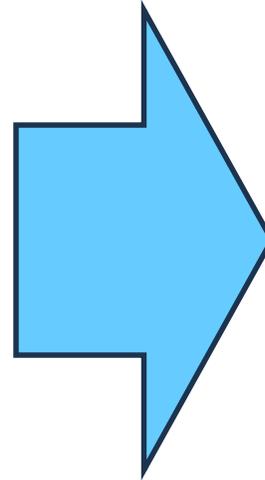
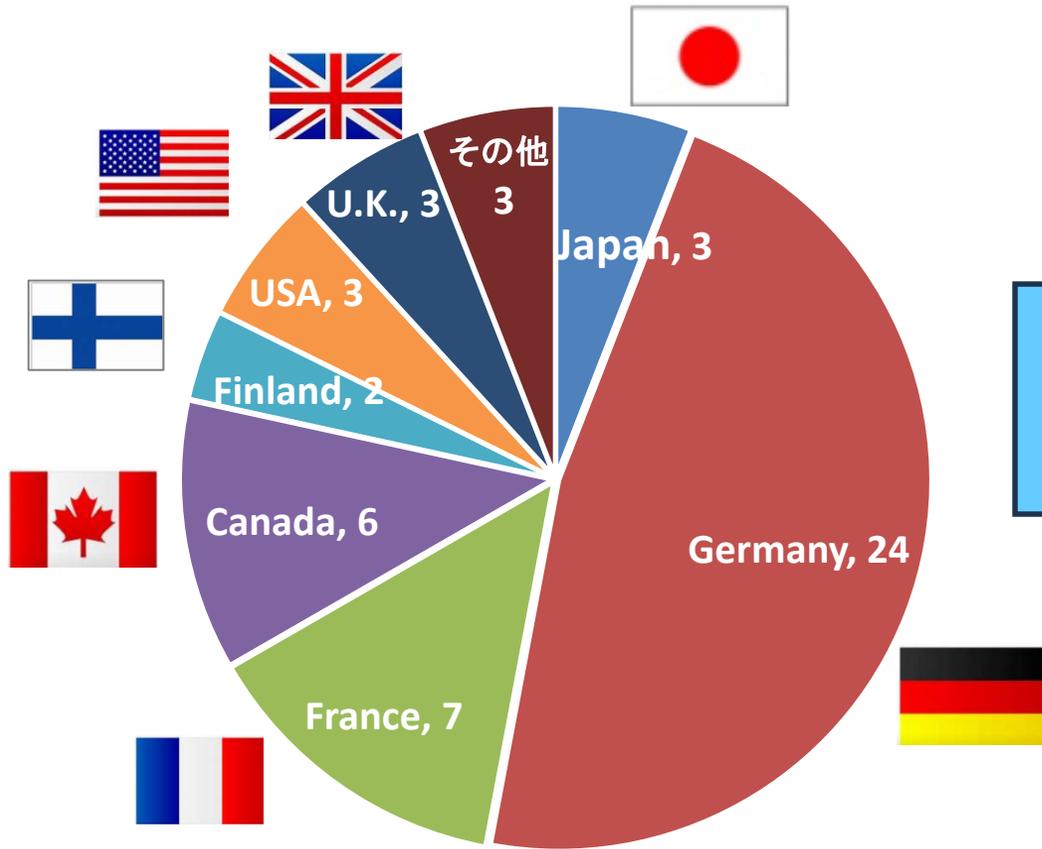
# S7

(Safety of Seven)

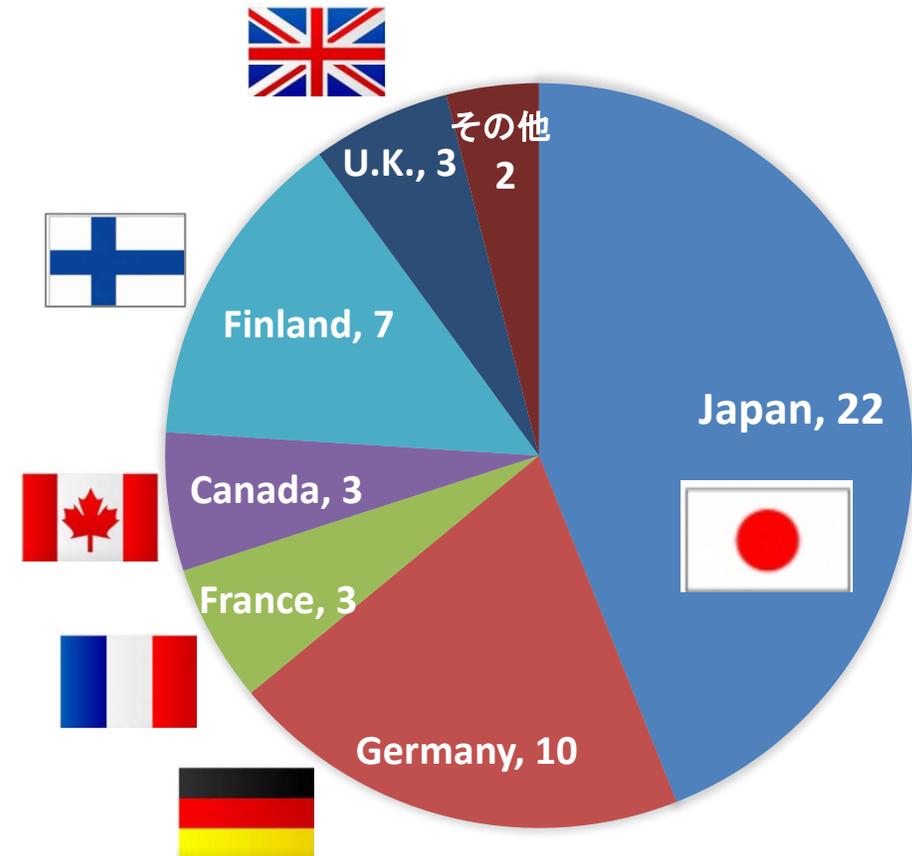


# SIAS発表件数国別比較 2001年(Bonn) vs 2024年(Tampere)

## 2001年 Bonn, Germany

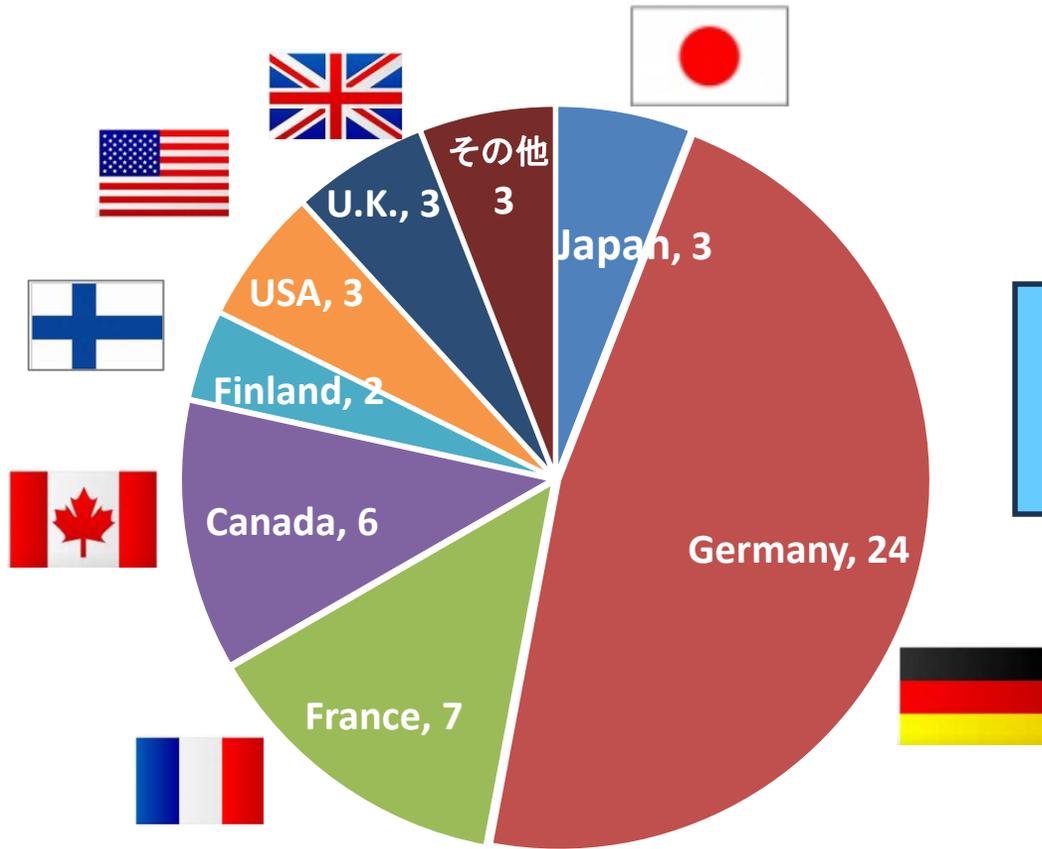


## 2024年 TAMPERE, FINLAND

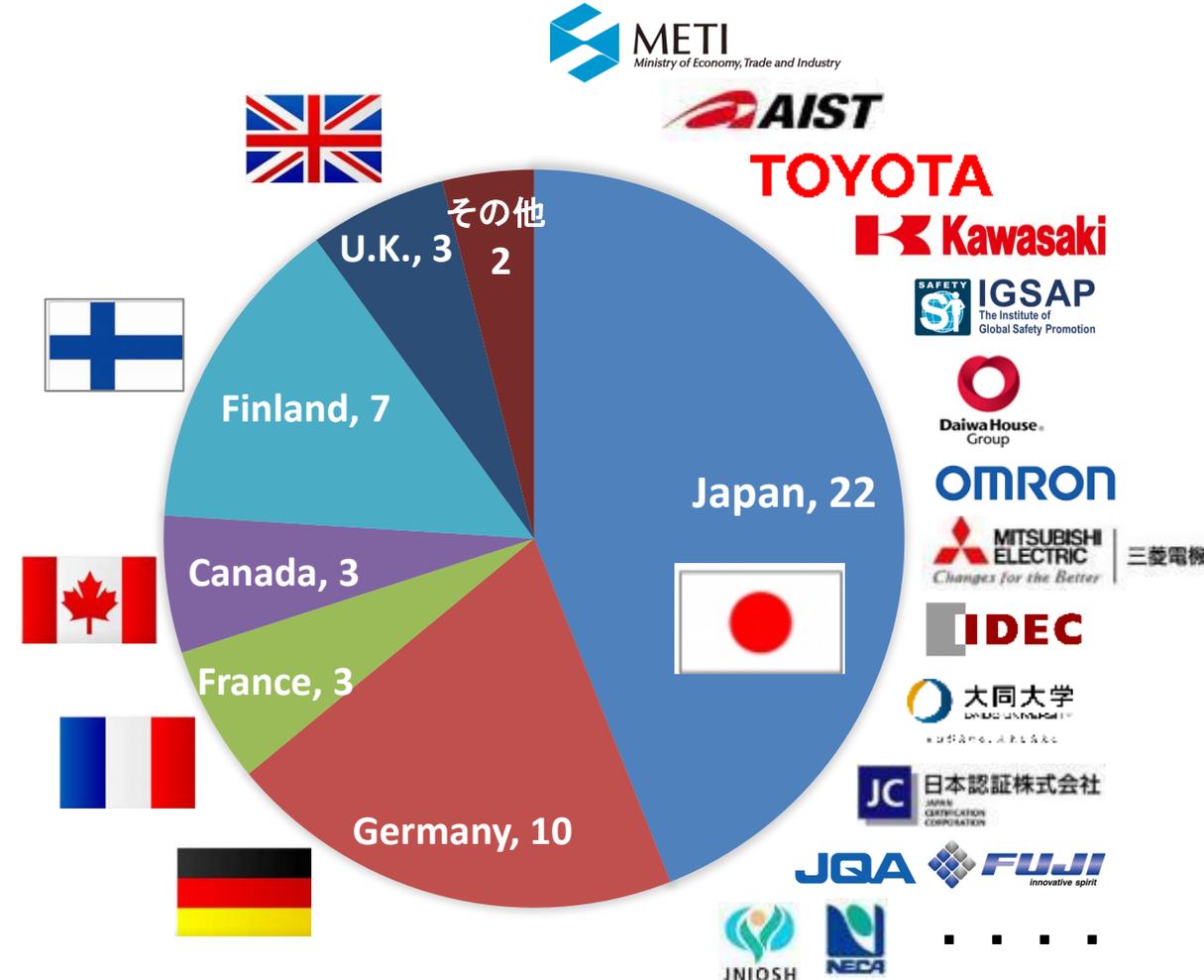


# SIAS発表件数国別比較 2001年(Bonn) vs 2024年(Tampere)

## 2001年 Bonn, Germany



## 2024年 TAMPERE, FINLAND



# 2026年SIAS日本開催誘致成功!!

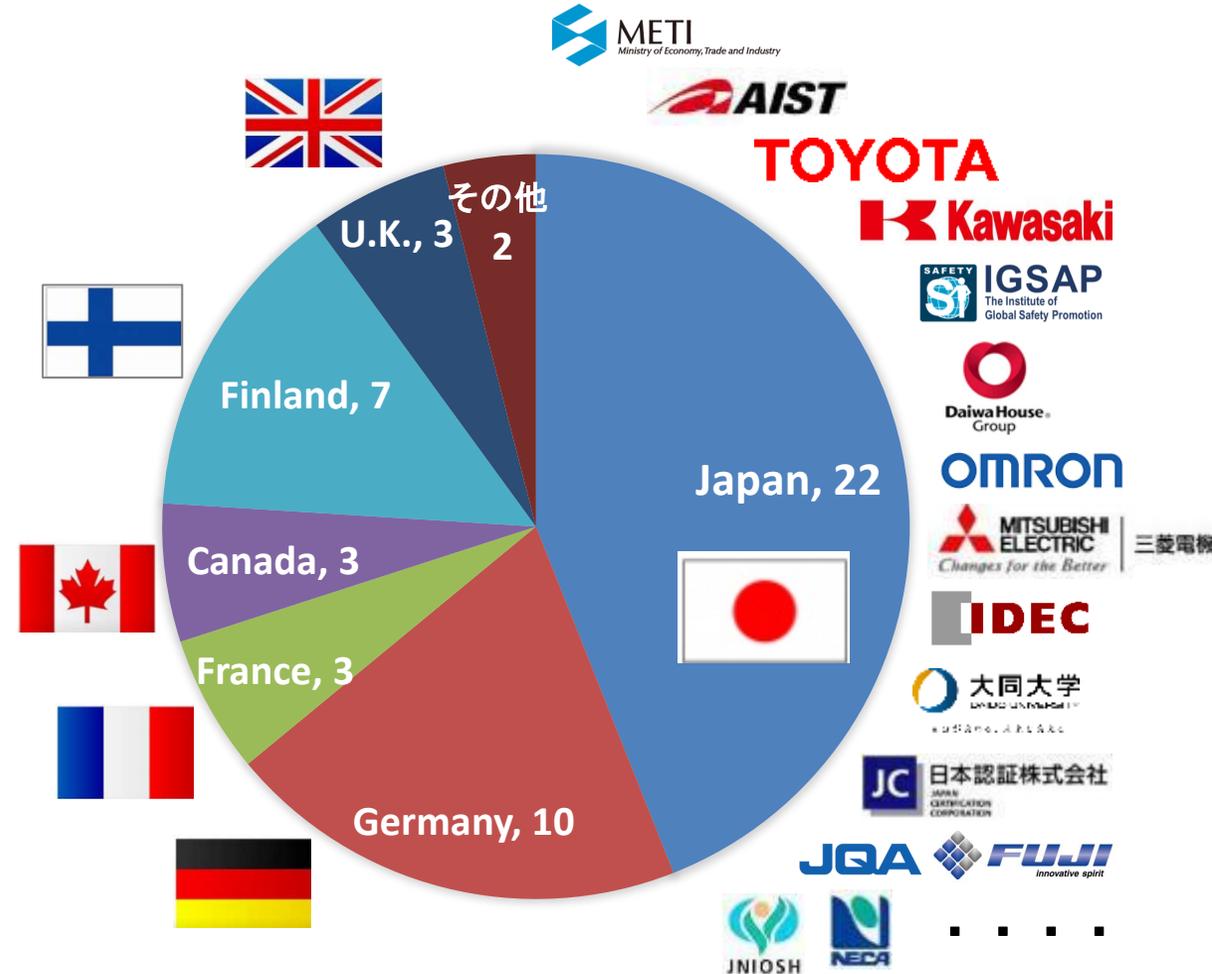
## テクノロジー・インバウンド&インダストリー・インバウンドの推進

2026年日本開催誘致成功!!  
 →国際標準化や産業創成に有利!!



テクノロジー・インバウンドの推進  
 (日本の産官学協力の成果)

### 2024年 TAMPERE, FINLAND



## VISION ZERO TOKYO DECLARATION

<https://japan.visionzerosummits.com/japan-2022/tokyo-declaration/>

### VISION ZERO SUMMIT JAPAN 2022

DAY1, 8:15 AM (CEST), 15:15- (JST), 11-May, 2022

## Opening Statement and Keynotes



Masao Mukaidono

Chair,  
JOC



Shigeyuki Goto

Minister,  
MHLW  
Japan



Tedros Adhanom Ghebreyesus

Director-General,  
WHO



Joachim Breuer

President,  
ISSA



Stefan Olsson

Director  
DG Employment,  
EC



Vanessa Harwood-Whitcher

CEO,  
IOSH



Kazuhiko Ishimura

President,  
AIST



Manfred Schoch

Chair,  
Works Council,  
BMW Group



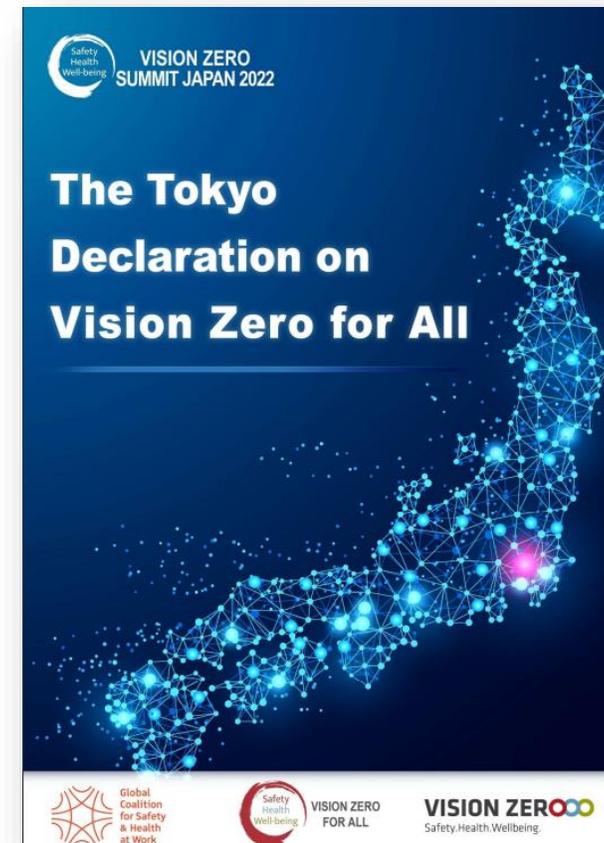
Kazuyuki Inoue

President and  
Representative  
Director,  
Shimizu



Tommi Alanko

Leader,  
Global Coalition  
Task Group

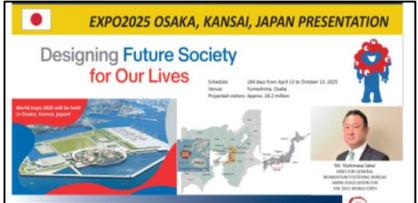


With one click , you can explore over 200 lectures delivered by top executives, leaders, and safety experts from around the world.

Vision Zero Summit Japan 2022 OFFICIAL BOOKLET  
[VZSJ2022 OFFICIAL BOOKLET\(JPN\)](#)

[VZSJ2022 OFFICIAL BOOKLET\(ENG\)](#)

## 未来への贈り物 80億人の安全・健康・ウェルビーイング



Vision Zero Summit Japan  
May, 2022

### Global Network

ILO, WHO, EU, DGUV, IOSH, etc.  
Global companies around the world

### Growing needs for improved well-being

Work style reforms accelerated by Covid-19  
DX, EX, Sophistication of technology  
Mental trouble increasing  
Climate change  
Well-being technology.

### From OSH of Experts to SHW of Global Citizens

Holistic approach  
Human resource development  
Education for children

### “Designing Future Society for Our Lives”



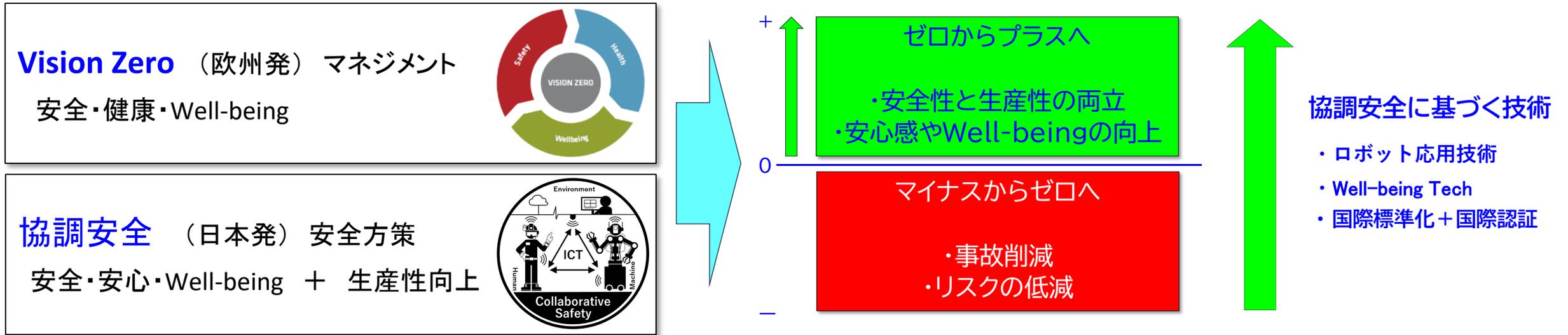
**A great opportunity**  
to disseminate the Vision Zero concept of Safety, Health, and Well-being internationally,  
**in line** with the theme of EXPO2025  
**“Designing Future Society for Our Lives”**



### Vision Zero Across the globe



# 地球上の80億人に届けるべき新たな概念の誕生 - 日本の技術力で



欧州から発信された「安全・健康・ウェルビーイング」を実現する**Vision Zero**というグローバル潮流と整合させ、日本リードで「安全・安心・ウェルビーイング」と「生産性向上」を技術的に同時実現する「**協調安全**」を、(一社)セーフティグローバル推進機構では提唱し推進しています。

日本のロボット産業等の優位性を一層高めつつ、協調安全やウェルビーイングテクノロジーが世界浸透することを視野に、大阪万博で2025年7月にイベントを実施予定です。ここでは、世界的イニシアティブGISHWを、日本リードで国連専門機関や多くの国際機関・企業と連携しながらグローバル推進中であることをご報告致します。日本の多くの機関や企業に参画して頂くことを熱望しています。

# 日本リードで産業創成するために目指すところ

## IGSAPモノづくり委員会

トヨタ自動車が決案の1つとして着目した協調安全の多くの企業での実証一般化により、従来の機械安全(Safety 1.0)と同等以上の安全性を確保しながら、生産性を両立し、ウェルビーイング（安心感・働きがい）の向上も目指す。

**SIAS 2024** 12.-13.6.2024, TAMPERE FINLAND

### “Collaborative Safety Guideline” within Toyota Group

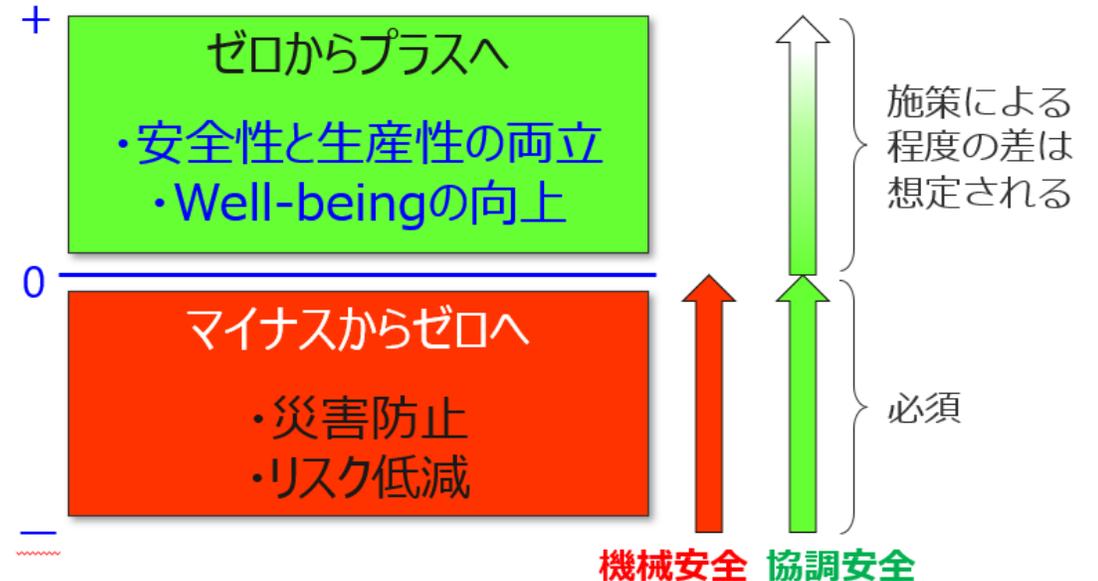
- Developed the concrete methodology of risk assessment and risk reduction for collaborative safety
- Issued “Collaborative Safety Guideline” as a rule for demonstration within Toyota Group
- Verifying the effect of risk reduction measures for collaborative safety and validity of the rule

<Guideline>      <Demonstration on site>

VTT    Tampere University    FINNISH SOCIETY OF AUTOMATION

トヨタグループ内で協調安全実証のため  
協調安全ガイドラインを策定

**TOYOTA**



# 日本リードで産業創成するために目指すところ

国内外での協調安全の標準化と社会変革

国内外モノづくり現場での協調安全の実証と具体的実装推進

協調安全  
国際標準化  
JIS/ISO/IEC

モノづくり委員会  
協調安全ガイドライン  
の世界普及検討

国内外標準化



一般解化

## TOYOTA

トヨタグループ内での  
協調安全の実証

SIAS 2024 12.-13.6.2024, TAMPERE FINLAND

### “Collaborative Safety Guideline” within Toyota Group

- Developed the concrete methodology of risk assessment and risk reduction for collaborative safety
- Issued “Collaborative Safety Guideline” as a rule for demonstration within Toyota Group
- Verifying the effect of risk reduction measures for collaborative safety and validity of the rule

<Guideline> → Provide rule → <Demonstration on site> → Feedback → <Guideline>

Logos: VTT, Tampere University, FINNISH SOCIETY OF AUTOMATION

十日独連携



日独が連携して推進すれば  
国際標準化も産業創成も可能

## トヨタの協調安全ガイドライン



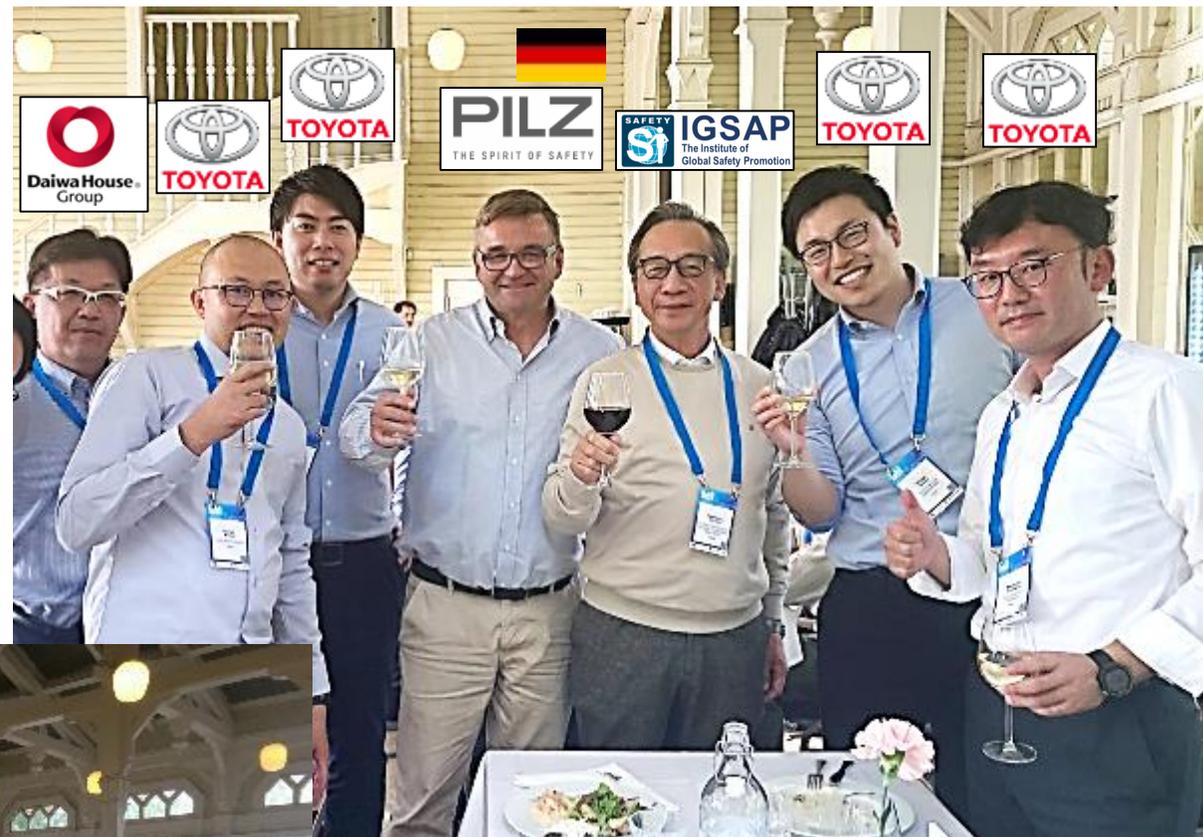
Messe  
Düsseldorf

Meeting on GISHW on June 10, 2024 at Messe Dusseldorf, Germany



# MoU signing ceremony aimed at achieving success of GISHW (@Messe Dusseldorf, June 10, 2024)

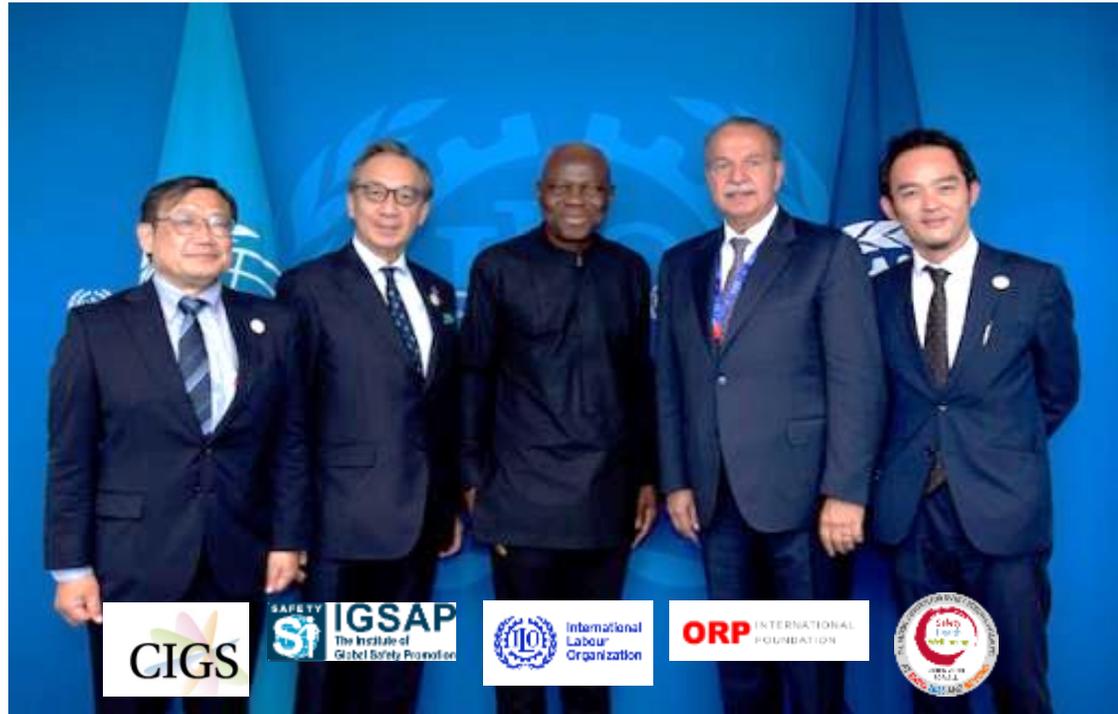




# ILO 事務局長 (Director-General) Gilbert F. Houngbo ジルベール・F・ウングボ氏 との会談(2024年6月17日)



International  
Labour  
Organization



June 17, 2024 @ILO Headquarters, Geneva

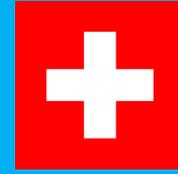
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# WHO訪問

Dr. Maria Neira, Dr. Ivan Ivanovと会合

2024.06.18 Geneva



# Global Initiative for Safety, Health, and Well-being at EXPO2025 and Beyond (GISHW)



1st Executive Meeting @23rd WCSH Sydney

Nov. 27, 2023

More members to join!

## Executive Committee Members

## Organizing Committee Members

 IGSAP Honorary Chair Masao Mukaidono	 IGSAP Chair Toshihiro Fujita	 日刊工業新聞社 Vice-chair Eiyu Hayashi	 ORP Vice-chair Hans-Horst Konkolewsky	 iosh Vice-chair Marijana Zivkovic Mlegha	 International Labour Organization Vice-chair Shinichi Takasaki	 OSAKA Vice-chair Yoshikazu Tanaka	 Messe Düsseldorf Vice-chair Lars Wismer			
 Finnish Institute of Occupational Health Torumi Alanko	 insitpo Dee Arp	 JSA ZBA GROUP Hiroshi Asahi	 issa Mohammed Azman	 EMETON Ulrike Bollman	 IOHA Samantha Cornell	 iosh Bernie Doyle	 ENRICO Mireya R. Fabregat	 Basi Christian Felten	 Japan Safety Association Hiroshi Fujiwara	 SIEMENS Andresa Hernandes
 IALI Ho Siang Hin	 iosh Stuart Hughes	 OSGUY Stefan Hussy	 World Health Organization Ivan Ivanov	 masabonnet Yasufumi Kaneda	 ICGM Seong Kyu Kang	 Finnish Institute of Occupational Health Hiroshi Kasai	 IGSAP Takashi Kawata	 NECA Akira Kubota	 MTG Tsuyoshi Matsushita	 O Yasutomo Nasu
 International Labour Organization Joaquim P. Nunes	 M Akiko Ohara	 EU Stefan Olsson	 B Manfred Schoch	 LOREAL Malcolm Staves	 iosh Alan Stevens	 AIST Tamio Tanikawa	 human house Lars Torvig	 human house Bonnie Yau	 IGSAP Yuka Ujita	 M Nathan Winter

 IGSAP Chair Toshihiro Fujita	 IGSAP Koji Akamatsu	 IGSAP Masahiko Ariyama	 European Agency for Safety and Health at Work William Cockburn	 LOREAL Philippe Debeocq	 iosh Bernie Doyle	 ENRICO Ockert Dupper	 ENRICO Mireya R. Fabregat	 Basi Christian Felten	 MANAGE DAMAGE Jillian Hamilton
 日刊工業新聞社 Eiyu Hayashi	 SIEMENS Andresa Hernandes	 iosh Satoshi Inouae	 World Health Organization Ivan Ivanov	 issa Jens Jühling	 IGSAP Toshiyuki Kajiya	 IGSAP Hiroshi Kasai	 IGSAP Takashi Kawata	 ORP Hans-Horst Konkolewsky	 M Masahiro Hashiki
 NECA Akira Kubota	 CIGS Jun Kurihara	 Congrés Keisuke Mikawa	 iosh Marijana Z. Mlegha	 ENRICO Tomoe Murakami	 IDEC Tatsunobu Nakai	 ORP Pablo Nieto	 M Koichi Noda	 iosh Akiko Ohara	 iosh Marcel Le Roux
 日刊工業新聞社 Koji Sagawa	 IGSAP Yuri Sakamoto	 IGSAP Kazutosugu Saita	 大阪大学 Manabu Tanaka	 OSAKA Yoshikazu Tanaka	 AIST Tamio Tanikawa	 human house Pernille Thau	 OSGUY Sven Timm	 human house Lars Torvig	 issa Bernd Treichel
 IGSAP Takahiro Uehara	 IGSAP Yuka Ujita	 M Nathan Winter	 M Lars Wismer	 M Magdalena Wachnicka-Witzke	 IGSAP Selguk Yagar	 ENRICO Hideki Yamada	 ENRICO Mariko Yamada	 human house Bonnie Yau	 human house Winson Yeung

# 万博会場で開催する 「安全・健康・ウェルビーイング」デイズ・プログラム

2025年7月16日～19日

- |                                      |               |
|--------------------------------------|---------------|
| ➤ <b>SUMMIT</b>                      | EXPO内         |
| ➤ <b>WORLD ASSEMBLY</b>              | EXPO内+INTEX大阪 |
| ➤ <b>INTERNATIONAL SYMPOSIUM</b>     | EXPO内+INTEX大阪 |
| ➤ <b>FESTIVAL</b>                    | EXPO内         |
| ➤ <b>ILO YOUTH CONGRESS</b>          | EXPO内         |
| ➤ <b>THEME PARK &amp; EXHIBITION</b> | EXPO内+INTEX大阪 |



EXPO HALL (MAX 2,000名)

シンポジウム・国際会議・展示会でこれからの  
安全やウェルビーイングを世界と共に討議・推進する

<https://gishw.com>

# 2000年から2030年までの30年間の「安全・健康・ウェルビーイング」の歴史と展望 日本の取るべきリーダーシップとそのチャンス到来

グローバルイニシアチブGISHW発足

継続的にテクノロジー・インバウンド  
を実行し、サウジアラビアへ繋ぐ！

日本での安全国際会議  
VZSJ2022大成功！

万博を契機に日本がリードして  
国際標準化やロボット産業創成を推進

欧州からのVision Zero潮流開始

「安全・健康・ウェルビーイング」が  
世界初の万博テーマに！

日本からの新たな考え方  
「協調安全」の提唱

11月18日東京円卓会議  
@日本工業倶楽部 CIGS



国際安全標準  
の黒船来航



# International Participants: GISHW Tokyo Roundtable (Nov 18, 2024) & Osaka Ex-com Meeting (Nov 13, 2024)

**Osaka Tokyo**



**IFA**  
Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung

**Thomas Bömer**

**IFA** 

Institut fuer Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung

**Osaka Tokyo**



**DGUV**  
Deutsche Gesetzliche Unfallversicherung Spitzenverband

**Sven Timm**

**DGUV** 

Deutsche Gesetzliche Unfallversicherung

**Osaka Tokyo**



**BG BAU**  
Berufsgenossenschaft der Bauwirtschaft

**Jakob Kort**

**BG BAU** 

[Berufsgenossenschaft der Bauwirtschaft](#)

**Osaka Tokyo**



**Lars Wismer**  
Messe Düsseldorf

**Messe Düsseldorf** 

**Osaka**



**SIEMENS**

**Andresa Hernandes**

**Siemens** 

**Osaka Tokyo**



**iosh**

**Alan Stevens**

**IOSH** 

International Commission on Occupational Health

**Osaka Tokyo**



**iosh**

**Marijana Z Mtegha**

**IOSH** 

International Commission on Occupational Health

**Osaka**



**ILO** 

**Joaquim Nunes**

**ILO** 

International Labour Organization

**Osaka Tokyo**



**ILO** 

**Shinichi Takasaki**

**ILO** 

International Labour Organization

**Tokyo**



**ILO** 

**Yuka Ujita**

**ILO** 

International Labour Organization

**Osaka Tokyo**



**WHO** 

**Ivan Ivanov**

**WHO** 

World Health Organization

**Osaka Tokyo**



**National Council for Occupational Safety & Health**

**Majed bin Ibrahim Alfuwaiz**

**NCOSH** 

The National Council for Occupational Safety and Health of Saudi Arabia

**Osaka Tokyo**



**inshpo**

**Nathan Winter**

**INSHPO** 

International Network of Safety & Health Professional Organisations

**Osaka Tokyo**



**OSHC** 

**Bonnie Yau**

**OSHC** 

Occupational Safety and Health Council

**Osaka**



**issa** 

**Mohammed Azman**

**ISSA** 

International Social Security Association

**Osaka Tokyo**



**ORP** 

**Hans Horst Konkolewsky**

**ORP** 

Fundación Internacional ORP

**Osaka Tokyo**



**ICOH** 

**Seong Kyu Kang**

**ICOH** 

International Commission on Occupational Health

**Tokyo**



**IALI** 

**Siong Hin HO**

**IALI** 

International Association of Labour Inspection

**Osaka Tokyo**



**Finnish Institute of Occupational Health**

**Tommi Alanko**

**FIOH** 

The Finnish Institute of Occupational Health

**Osaka Tokyo**



**DANISH VISION ZERO COUNCIL**

**Lars Tornvig**

**Danish Vision Zero Council** 

**Osaka Tokyo**



**MANAGE DAMAGE**

**Jillian Hamilton**

**Manage Damage** 

The number of participants may increase.



Sowing the seeds of Vision Zero

Plant a seed of Vision Zero



2014	2017	2019	2021	2022	2023	2024	2025

Vision Zero for All  
Safety · Health · Well-being



2030

Flourish



*and Beyond*