

INTERNATIONAL FEDERATION OF ENVIRONMENTAL HEALTH
IFEH

Disaster Risk Reduction
IFEH Partnership with United Nations Office for
Disaster Risk Reduction - UNISDR

Henning I. Hansen

Chair of the IFEH DRR Committee

Hon Vice President IFEH

Past President IFEH

Chair of ENVINA Denmark International Group

www.IFEH.org

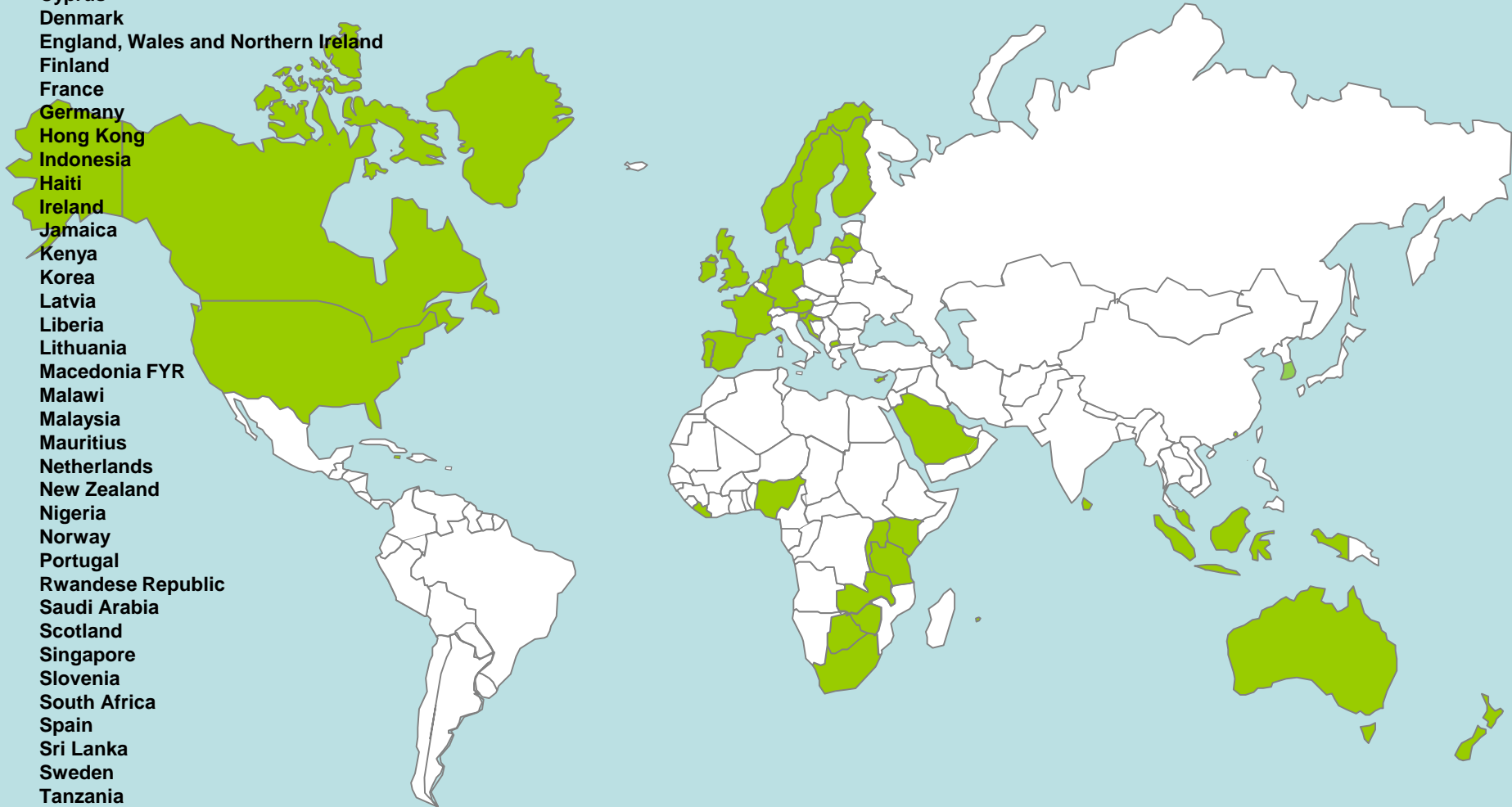
Presented at the 15th World Congress on Environmental Health 2018
March 2018, Auckland, New Zealand



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IFEH MEMBER ORGANISATIONS

- Australia
- Austria
- Botswana
- Canada
- Croatia
- Cyprus
- Denmark
- England, Wales and Northern Ireland
- Finland
- France
- Germany
- Hong Kong
- Indonesia
- Haiti
- Ireland
- Jamaica
- Kenya
- Korea
- Latvia
- Liberia
- Lithuania
- Macedonia FYR
- Malawi
- Malaysia
- Mauritius
- Netherlands
- New Zealand
- Nigeria
- Norway
- Portugal
- Rwandese Republic
- Saudi Arabia
- Scotland
- Singapore
- Slovenia
- South Africa
- Spain
- Sri Lanka
- Sweden
- Tanzania
- Uganda
- United States of America
- Zambia
- Zimbabwe



Brief about the IFEH

- **Founded in 1986**
- **43 National Member Organisations representing approx. 50,000 professionals in the field of Environmental Health / Environmental Protection.**
- **25 Academic Associated Member Organisations (Universities)**
- **14 Associated Member organisations and Affiliates**
- **5 IFEH Regional Groups:
Africa, Americas, Europe, Middle-East, Pacific Rim**
- **Aims and activities**
The Federation works to disseminate knowledge and exchange of information and experience concerning environmental health and to promote co-operation between countries on environmental health issues.
The motto of the Federation is:
“Caring for the environment in the interest of world health.”
IFEH World Congresses (bi-ennial) +
IFEH Academic World Conferences (bi-ennial)
Technical as well as organisational meetings.
Projects, International Magazine on EH, Newsletter, Website, Twinning arrangement, etc.
IFEH Special Interest Groups
IEHFF International Environmental Health Faculty Forum
AAEH Africa Academy of Environmental Health



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Brief about the IFEH

Range of work areas covered by the Federation through its member organisations

DRINKING WATER

FOOD SAFETY – FOOD SECURITY

COMMUNICABLE DISEASES

PUBLIC HEALTH – HEALTH EQUITY

AIR QUALITY

ENERGY / CLIMATE CHANGE

EMERGENCY PLANNING / DISASTER RISK REDUCTION

WASTE WATER

WASTE

SOIL CONTAMINATION

NOISE

WATER QUALITY sea, rivers, lakes, water courses

INDUSTRY Licensing, Inspection

PLANNING Agenda 21 planning, Climate Change planning, Spatial City planning, Environment Planning, Healthy Cities Planning

EDUCATION / INSTITUTES

OCCUPATIONAL HEALTH

HOUSING

All mentioned EH professional disciplines are vital in relation to DRR



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Brief about the IFEH

Meeting activities

IFEH Council Meetings and AGM: Once a year

IFEH Board Meetings: 4 times annually

Regional Group meetings: 1- 2 times annually

IFEH Participations / collaborations (in outline)

UNISDR (United Nations Office for Disaster Risk Reduction)

UNEP (United Nation Environment Programme)

WFPHA (World Federation of Public Health Associations)(Associate member of IFEH)

UN Climate Change Conferences

WHO Healthy Cities Global Conferences

WHO Health and Climate Conference

WHO Codex Alimentarius Commission

OECD World Forum on on Statistics, Knowledge and Policy

IMPEL (EU Network for the Implementation and Enforcement of Environmental Law) (Observer)

IISD (International Institute for Sustainable Development)



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Outline of Activities IFEH

IFEH SPECIAL INTEREST GROUPS – SIG's

- Disaster Risk Management and Risk Reduction
- Food Safety & Security
- Waste Management
- Drinking Water
- Wastewater Management
- Air Pollution
- Noise pollution
- Pollution from Industry
- Nature & Wild Life Protection
- Public Health & Health Equity
- Indoor Air Quality (including tobacco control)
- Housing and Shelter
- Port Health
- Pest & Vector Control
- Communicable Disease
- Environmental Health & Climate Change



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Communication platform: Closed LinkedIn Groups
To participate look up: www.ifeh.org/sig

Brief about the IFEH

IFEH World Congresses and Academic Conferences on Environmental Health

- 2020 16th IFEH World Congress on EH, Kuala Lumpur, Malaysia. Host: Malaysian Association of Environmental Health
- 2019 3rd IFEH Academic Conference on Environmental Health, Kampala. Uganda Host: EH Workers Association of Uganda
- 2018 15th IFEH World Congress on EH, Auckland, New Zealand. Host: New Zealand Institute of Environmental Health
- 2017 2nd IFEH Academic Conference on Environmental Health, Montego Bay, Jamaica Host: JAPHI
- 2016 14th IFEH World Congress on EH, Lilongwe, Malawi. Host: Malawi Environmental Health Association
- 2015 1st IFEH World Academic Conference on Environmental Health, Coimbra, Portugal. Host: College of Health Technology of Coimbra.
- 2014 13th IFEH World Congress on EH, Las Vegas, USA. Host: National Environmental Health Association
- 2012 12th IFEH World Congress on EH, Vilnius, Lithuania. Host: Lithuanian Union of Hygienists & Epidemiologists
- 2010 11th IFEH World Congress on EH, Vancouver, Canada. Host: Canadian Institute of Public Health Inspectors, CIPHI
- 2008 10th IFEH World Congress on EH, Brisbane, Australia. Host: Thee Australian Institute of Environmental Health, AIEH
- 2006 9th IFEH World Congress on EH, Dublin, Ireland. Host: The Environmental Health Officers' Association Ireland
- 2004 8th IFEH World Congress on EH, Durban, South Africa. February 2004, Host: South African Institute for Environmental Health
- 2002 7th IFEH World Congress on EH San Diego, CA, USA. Host: California Environmental Health Association, California, USA
- 2000 6th IFEH World Congress on EH, Oslo, Norway. Host: Forum For Miljo og Helse, Norway
- 1998 5th IFEH World Congress on EH, Stockholm, Sweden. Host: Swedish Association of Environmental Health Professionals
- 1996 4th IFEH World Congress on EH, Aberdeen, Scotland. Host: The Royal Environmental Health Institute of Scotland
- 1994 3rd IFEH World Congress on EH Kuala Lumpur, Malaysia. Host: The Malaysian Environmental Health Association
- 1991 2nd IFEH World Congress on EH Brighton, UK. Host: The Chartered Institute of Environmental Health. UK.
- 1988 Inaugural IFEH World Congress on EH, Sydney, Australia. Host: The Australian Institute of Environmental Health



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Brief about the IFEH



IFEH is endorsing EH Disaster Management and Risk Reduction Course www.ifeh.org/ehdm

Griffith University, Brisbane and CDC , Center for Disease Control, US and other stakeholders have developed this course that addresses the need for environmental health and other professionals to increase their education and training in disaster management. Initially the course was under the frame of IFEH. It was agreed in 2016 that it would be the best if the EHDM course was not under the auspices of the IFEH – in stead it is now run under Griffith University (Acad. Member of the IFEH) – and a MOU was created between the course and the IFEH. The course covers nine core topics (see below) and concludes with an exercise to demonstrate the relevance of these topics in the disaster setting.

Core Topics

Disaster Management
Drinking Water
Food Safety
Wastewater
Solid Waste and Hazardous Materials

Shelters
Vector Control
Building Assessments
Responder Safety

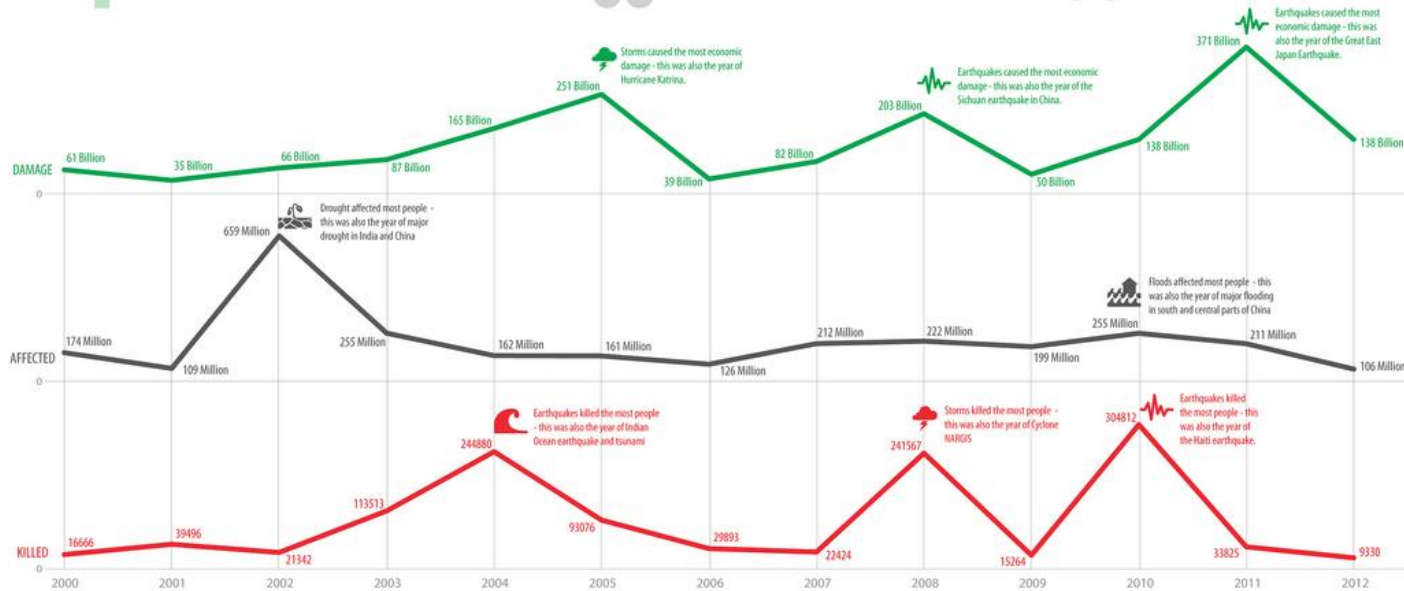
*Slide on Disaster Management are courtesy Dr. Peter Davey,
Past President IFEH*

Introduction to Disaster Risk Reduction



DISASTER IMPACTS / 2000-2012

*Disasters refers to drought, earthquake (seismic activity), epidemic, extreme temperature, flood, insect infestation, mass movement (dry & wet), storm, volcano, and wildfire / Data source: EM-DAT: The OFDA/CRED International Disaster Database / Data version: 12 March 2013 - v12.07
 OCHA Humanitarian Symbol (2012): <http://reliefweb.int/map/world/humanitarian-and-country-icons/2012/> / Find out more about UNISDR: <http://www.unisdr.org>



Source: UNISDR

Introduction to Disaster Risk Reduction

Number of Climate-related Disasters Around the World (1980-2011)

 **3455**
FLOODS

 **2689**
STORMS

 **470**
DROUGHTS

 **395**
EXTREME TEMPS

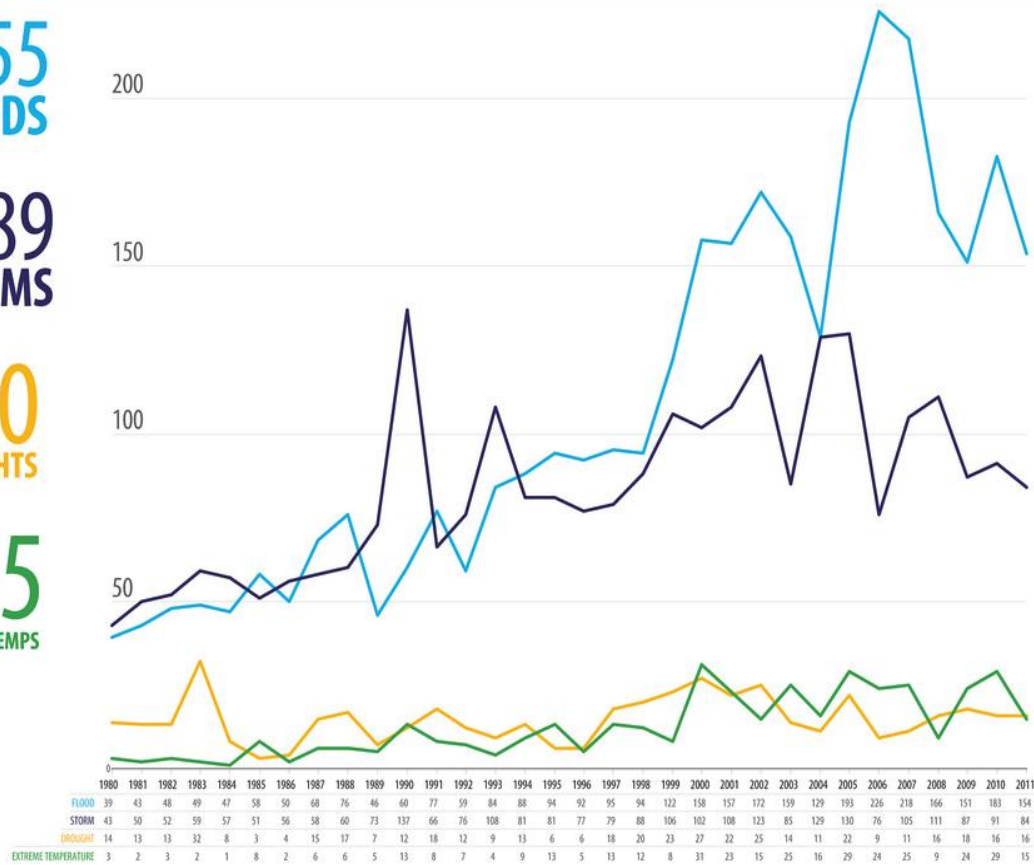
 **UNISDR**
The United Nations Office for Disaster Risk Reduction
<http://www.unisdr.org>

Version: 13 June 2012

DATA SOURCES

EM-DAT - <http://www.emdat.be/> - The OFDA/CRED International Disaster Database; Data version: 13 June 2012 - v12.07

Humanitarian Symbol Set (2008):
<http://www.unisdr.org/map/guide/line.php>



Source: UNISDR

Introduction to Disaster Risk Reduction

$$\text{Risk} = \frac{\text{Hazard} \times \text{Exposure} \times \text{Vulnerability}}{\text{Coping Capacities}}$$

Source: UNISDR

Introduction to Disaster Risk Reduction

The Sendai Framework for Disaster Risk Reduction 2015-2030

The Sendai Framework for Disaster Risk Reduction 2015-2030 was adopted by UN Member States on 18 March 2015 at the Third UN World Conference on Disaster Risk Reduction in Sendai City, Miyagi Prefecture, Japan. It is the first major agreement of the 2030 development agenda, and aims for “the substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries.”



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Introduction to Disaster Risk Reduction

The Seven Targets of the Sendai Framework for Disaster Risk Reduction

Target a

Substantially reduce global disaster mortality by 2030, aiming to lower average per 100,000 global mortality between 2020-2030 compared to 2005-2015.



Introduction to Disaster Risk Reduction

The Seven Targets of the Sendai Framework for Disaster Risk Reduction

Target b

Substantially reduce the number of affected people globally by 2030, aiming to lower the average global figure per 100,000 between 2020-2030 compared to 2005-2015.



Introduction to Disaster Risk Reduction

The Seven Targets of the Sendai Framework for Disaster Risk Reduction

Target c

Reduce direct disaster economic loss in relation to global gross domestic product (GDP) by 2030.



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Introduction to Disaster Risk Reduction

The Seven Targets of the Sendai Framework for Disaster Risk Reduction

Target d

Substantially reduce disaster damage to critical infrastructure and disruption of basic services, among them health and educational facilities, including through developing their resilience by 2030.



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The Seven Targets of the Sendai Framework for Disaster Risk Reduction

Target e

Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020.



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Introduction to Disaster Risk Reduction

The Seven Targets of the Sendai Framework for Disaster Risk Reduction

Target f

Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national actions for implementation of this framework by 2030.



Introduction to Disaster Risk Reduction

The Seven Targets of the Sendai Framework for Disaster Risk Reduction

Target g

Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to people by 2030.

Read more: www.unisdr.org/we/coordinate/sendai-framework



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Introduction to Disaster Risk Reduction

The Sendai Framework for Disaster Risk Reduction 2015-2030

The Four Priorities for Action

Priority 1. Understanding disaster risk:

Disaster risk management should be based on an understanding of disaster risk in all its dimensions of vulnerability, capacity, exposure of persons and assets, hazard characteristics and the environment. Such knowledge can be used for risk assessment, prevention, mitigation, preparedness and response.



Introduction to Disaster Risk Reduction

The Sendai Framework for Disaster Risk Reduction 2015-2030

The Four Priorities for Action

Priority 2. Strengthening disaster risk governance to manage disaster risk:

Disaster risk governance at the national, regional and global levels is very important for prevention, mitigation, preparedness, response, recovery, and rehabilitation. It fosters collaboration and partnership.



Introduction to Disaster Risk Reduction

The Sendai Framework for Disaster Risk Reduction 2015-2030

The Four Priorities for Action

Priority 3. Investing in disaster risk reduction for resilience:

Public and private investment in disaster risk prevention and reduction through structural and non-structural measures are essential to enhance the economic, social, health and cultural resilience of persons, communities, countries and their assets, as well as the environment.



Introduction to Disaster Risk Reduction

The Sendai Framework for Disaster Risk Reduction 2015-2030

The Four Priorities for Action

Priority 4. Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction:

The growth of disaster risk means that there is a need to strengthen disaster preparedness for response, take action in the anticipation of events, and ensure capacities are in place for effective response and recovery at all levels. The recovery, rehabilitation and reconstruction phase is a critical opportunity to build back better, including through the integrating of disaster risk reduction into development measures.



SUSTAINABLE DEVELOPMENT GOALS

At the United Nations Sustainable Development Summit on 25 September 2015, world leaders adopted the [2030 Agenda for Sustainable Development](#), which includes a set of 17 Sustainable Development Goals (SDGs) to be met by 2030.



IFEH Partnership with the UNISDR

By 2017 IFEH went into **formal partnership** with the UNISDR under the frame **Science and Technology Partnership**

The Partnership is for a 4 years term, but renewable.



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IFEH Partnership with the UNISDR

IFEH active participation in the UN driven agenda on the Sendai Framework on Disaster Risk Reduction (DRR)

UNISDR participation at IFEH Council meeting and the **1st IFEH World Academic Conference**, September 2015 Coimbra, Portugal

Partner in the planning of, and invited participator in the **UNISDR Science and Technology Conference** on the implementation of the Sendai Framework for Disaster Risk Reduction 2015 – 2030. With a focus on Capacity Building. Geneva January 2016

IFEH participation by invitation in **UNISDR Consultation with Civil Society on the 2017 Global Platform for Disaster Risk Reduction “Engaging Stakeholders in delivering the 2017 Global Platform Outcomes”** Geneva December 2017

IFEH representation in the planning groups for the sessions at the **2017 Global Platform for Disaster Risk Reduction**

- Working Session – Science & Technology
- Working Session – Health & DRR

IFEH Participation by invitation at the **2017 Global Platform for Disaster Risk Reduction**, Cancun, Mexico May 2017

At the 2017 GP the IFEH put forward an **official IFEH Statement to the UNISDR**. The Statement can be found on the [UNISDR website](#) and on the [IFEH website](#).



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IFEH Partnership with the UNISDR

- The IFEH supports the implementation of the Sendai Framework for Disaster Risk Reduction implementation and all five IFEH Regional Groups: Africa, Americas, Asia & Pacific, Middle East and Europe Group will be engaged.
- Likewise the IFEH will seek to engage and include our academic members (universities) as well as our associated academic networks: The International Environmental Health Faculty Forum and through IFEH Africa regional Group the Africa Academy of Environmental Health.
- The IFEH has established a Special Interest Group on Disaster Risk Reduction and Disaster Management. The base for the SIG is a closed LinkedIn Group. Participation in the SIG will be open to all interested IFEH affiliated EH professionals.



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IFEH Partnership with the UNISDR

- In the aim of supporting the implementation of the Sendai Framework the IFEH will use our World Congresses and World Academic Conferences on Environmental Health as a platform in order to create awareness about Disaster Risk Reduction and in order to build capacity.
- The IFEH is endorsing the Environmental Health Disaster management Course (EHDM) and the IFEH will advocate that even further Disaster Risk Reduction training programmes as well as University based academic courses are created – particularly in the regions as pointed out by the UNISDR.



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IFEH Partnership with the UNISDR

- The IFEH – as the Federation does in general – will use its network in order to facilitate the sharing and exchange of knowledge in the area of DRR both in the IFEH regions as well as between the regions – and between EH Practitioners and the Academics.
- In terms of the UNISDR Science and Technology Road Map – the IFEH will have its primary focus on **Capacity Building**: *ST Roadmap: 4.2 Build capacity to ensure that all sectors and countries understand, have access to, and can use scientific information for better informed decision-making and secondary ST Roadmap: 4.1 Identify and respond to the scientific needs of policy- and decision-makers at all levels to strengthen preparedness and resilience.*



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IFEH DRR COMMITTEE

In order to organize the IFEH activities on DRR the IFEH has setup up an IFEH DRR Committee

The Committee is lead by a Committee chair – for the moment Henning I. Hansen

Besides the chair person the committee has the following construction:
IFEH President, IFEH Treasurer, Representatives from all IFEH Regional Groups: Africa (including Africa Academy for EH), Americas, Asia Pacific, Europe and Middle East. Representatives from the International Environmental Health Faculty Forum

Regional IFEH DRR Committees may be set up and then referring to the IFEH DRR Committee.

The IFEH DRR Committee has the right to set up further sub working groups where it is found relevant and beneficial to the overall DRR agenda.



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IFEH DRR COMMITTEE

- The IFEH DRR Committee will elaborate work programmes and initiate activities on DRR with a primary focus on fostering a frame for the sharing of experience on EH related DRR and disseminate information, fostering co-operation between members and between universities on educational frameworks. Reports will be made to the IFEH Council
- The IFEH DRR Committee will align its activities with the UNISDR
- The IFEH DRR Committee will amongst other means use the LinkedIn SIG platform to create further activity and engagement.
- The Council is endorsing all member organizations and academic member organizations to be enrolled, participate and to distribute information about the initiative to their own individual members in order to get further involvement and in order to disseminate information.



IFEH Partnership with the UNISDR

Possible outcomes:

- Information on DRR to all members to be intensified
- Elaboration of National / Local / Regional DRR strategies as member organisations are further informed and are being better equipped to push forward this agenda in their own country
- Feed back from member organisations and universities to the UNISDR through the IFEH partnership with the UNISDR
- Focus on EH related topics in relation to DRR as well as in regard to existing contingency planning
- Specific Partnerships between EH association across borders
- Specific collaboration between Universities
- Further collaboration between the EH practitioners Society and the Academic Society
- Further Scientific research on DRR in context with EH
- Further development of DRR related educational curricula at universities Bsc, Master degree
- The possibility of receiving funding for specific projects run by member organisations and/or acad. Members will be higher.
- Elaboration of an IFEH Policy on DRR



Final messages

- **Get involved in the IFEH activities on Disaster Risk Reduction**
- **Get involved with the UNISDR**
- **Use the partnership between the IFEH and UNISDR**
- **We need collaboration between Universities all around the Globe**
- **We need further collaboration between EH organizations all around the Globe**
- **We need collaboration between Universities and EH organizations of professionals**
- **We need further educational programs targeted different groups – from research on PhD level, student university courses, special courses for EH Professionals, to programs for educating the general people.**
- **The IFEH would like to assist in getting such collaborations and programs up running**
- **Natural hazards and the challenges that these events pose on societies are here to stay and they are increasing in strength due to Climate Change and in their effect on people due to urbanization.**
- **Let us together use our expertise to reduce the risk by proper planning, preventive measures – and just do the right and needed. But we need to work together in order to succeed!**



Looking forward to the future co-operation

Thank you

Henning I. Hansen

**Chair IFEH DRR Committee
Hon Vice President IFEH**

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www.IFEH.org



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