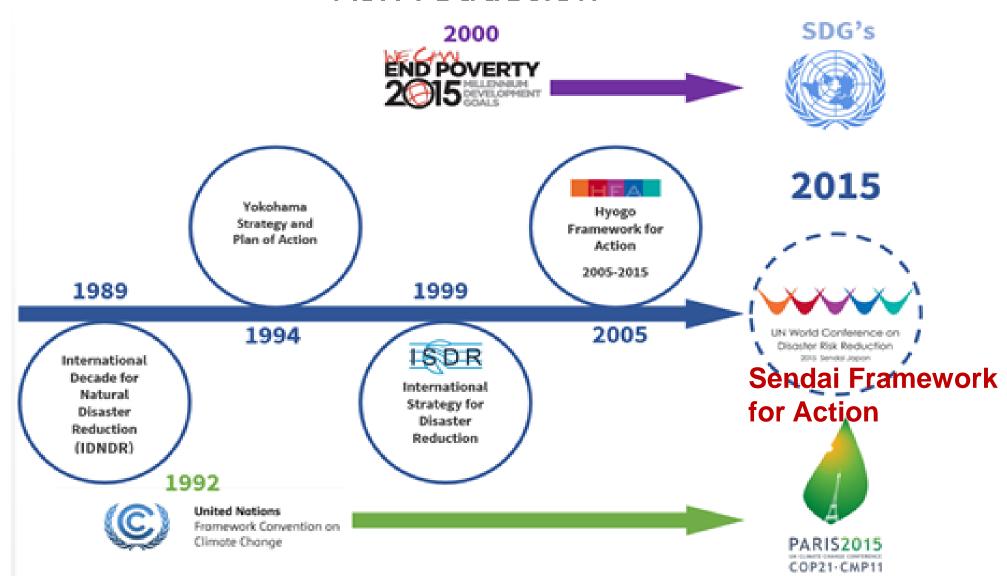


# 25 years of international commitment to disaster risk reduction





# Sendai Framework for Disaster Risk Reduction 2015-2030

Main result of the 3<sup>nd</sup> UN World Conference on DRR, Sendai, March 2015.

16. Outcome: "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."

17. Goal: "Prevent new and reduce existing disaster risk through the implementation of integrated and inclusive economic, structural, legal, social, health, cultural, educational, environmental, technological, political and institutional measures that prevent and reduce hazard exposure and vulnerability to disaster, increase preparedness for response and recovery, and thus strengthen resilience."



## Seven global targets (4 output targets)

- 1. Substantially **reduce global disaster mortality** by 2030, aiming to lower average per 100,000 global mortality between 2020-2030 compared to 2005-2015.
- 2. 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
- 3. Reduce direct disaster economic loss in relation to global gross domestic product (GDP) by 2030.
- 4. 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.

### Seven global targets (3 input targets) Cont.

- 5. Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020.
- 6. Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national actions for implementation of this framework by 2030.
- 7. Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to the people by 2030.



## Four priorities for action

- 1. Understanding disaster risk;
- 2. Strengthening disaster risk governance to manage disaster risk;
- 3. Investing in disaster risk reduction for resilience;
- 4. Enhancing disaster preparedness for effective response, and to "Build Back Better" in recovery, rehabilitation and reconstruction.
- i) at National and Local Levels and ii) at Global and regional levels



Science and Technology (widely acknowledged. Major Group)

25g) Enhance the scientific and technical work on disaster risk reduction and its mobilization through the coordination of existing networks and scientific research institutions at all levels and all regions with the support of STAG in order to:

- strengthen the evidence-base...;
- promote scientific research of disaster risk patterns, causes and effects; disseminate risk information...;
- provide guidance on **methodologies and standards** for risk assessments, disaster risk modelling and the use of data;
- identify research and technology gaps and set recommendations for research priority areas;
- promote and support the availability and application of **S&T** to decisionmaking; contribute to the update DRR terminology...

# Sendai Framework for Disaster Risk Reduction 2015-2030

## How to implement

- V. Role of stakeholders.
- 35. While States have the overall responsibility for reducing disaster risk, it is a shared responsibility between Governments and relevant stakeholders. In particular, **non-state stakeholders** play an important role as enablers in providing support to States...
  - (b) Academia, scientific and research entities and networks to: focus on the disaster risk factors and scenarios, including emerging disaster risks, in the medium and long term; increase research for regional, national and local application; support action by local communities and authorities; and support the interface between policy and science for decision-making.

# Sendai Framework for Disaster Risk Reduction 2015-2030

## How to implement

- V. Role of stakeholders (cont.)
- 37. With reference to the **General Assembly** resolution 68/211 of 20 December 2013, **commitments by relevant stakeholders are** important to identify modalities of cooperation and implement this framework.
  - ...Commitments should be **specific and time-bound** in order to support the development of partnerships at local, national, regional and global levels and the implementation of local and national DRR strategies and plans. **All stakeholders are encouraged to publicize their commitments...through the website of the UNISDR.**







# **Technical Community**(ICSU organising partner of Major Group)

### Four areas of output:

- 1. Assessment of current data and scientific knowledge;
- 2. Synthesis of research to make it accessible to policy makers;
- 3. Advice to decision makers on policy and research gaps;
- **4. Monitoring & Review** to ensure progress towards DRR goals and up to date information.

### Two cross-cutting themes:

- 1. Communication and engagement involving policymakers, multiple sectors and research disciplines;
- 2. Capacity development to ensure all countries can produce and/or have access to scientific knowledge

Others: Global Risk Forum GRF Davos, IRDR, Partnership for landslides, ICL, etc.



# Sendai Framework for Disaster Risk Reduction 2015-2030

How to implement

VI. International Cooperation and global partnership

General considerations

Means for implementation

Support from international organisations

- Periodic reviews on progress
- Development of indicators in coordination with relevant mechanism for sustainable development and climate change.
- Revision of the UN plan of action for resilience, etc.







HOME CONFERENCE PREPARATORY PROCESS MEMBER STATES UN & 1905 MAJOR GROUPS NEWS & MEDIA RESOURCES ENGAGE Registration Spontages

# **#WCDRR**

#### Programme

Conference Overview

Wednesday | Daily Programma Overview

18



Conference Handbook

#### Segments

Preparatory Meetings

Inter-Bovernmental Segment

Statementa

Multi-Stakeholder Segment

Public Forum

#### Documentation

Sendai Framework for Disaster Risk Reduction 2015-2030

Sendai Declaration

Stakeholders' voluntary commitments

Press Release: World Conference adopts new international framework for disaster risk reduction after marethon negotiations

Official Documents Provisional List of Participants in Ministerial Round Tables Provisional List of Participants in Working Sessions Daily Journal

Accessible documentation

#### News and Media

#### NEWS



India to host first Asian Ministerial Conference of post-2015 era 18 Mar 2015



Inclusion builds resilience 18 Mar 2015

#### PRESS RELEASES



Sendai UN World Conference hailed for accessibility 18 Mar 2015



New study shows little prospect of reducing economic losses from diseaters 18 Mar 2015

More information

#### Announcements



A selection of the top photographs taken during the World Conference in Sendal,



Interviews at the Third UN World Conference on Dissater Risk Reduction

Watch live the 9th plenary meeting and closure of the Third UN World Conference on Disaster Risk Reduction - 18 March. 2015, Exhibition Hell 2

More information

#### Voluntary commitments

Bovernment Announcements and Voluntary Commitments will be recognized as a formal outcome of the Third UN Worl Conference on Diseaser Risk Reduction.

Explore the commitments with clear deliverables relevant to disaster risk reduction here.

A Model Programme for Psychosocial Resilience-Building at Wellbeing for Youth Worldwide in Diseater Risk Reduction at

ISDR-ICL Sendai partnerships 2015-2025 for global. promotion of understanding and reducing landslide disaster

Committing to Child-Centred Diseater Risk Reduction: An Opportunity at the World Conference for Diseater Risk Reduction

More information







HOME CONFERENCE PREPARATORY PROCESS MEMBER STATES UN \$ 1805 MAJOR GROUPS NEWS & MEDIA RESOURCES ENGAGE Registration Sponsora

HOME - PREPARATORY PROCESS - GOVERNMENT ANNOUNCEMENTS AND VOLUNTARY COMMITMENTS

#### Preparatory Process

Sendai Framework for Disaster Risk Reduction 2015-2030

. Views and Comments

#### Government announcements and voluntary commitments

#### Preparatory Committee

- First Session
- Open-Ended Informal Consultative Meetings
- Second Session
- Open-Ended Negotiation Meetings
- Third Session
- Bureau Meetings

#### Multistakeholder process

- Global Platform
- Regional Platforms & Ministerial Meetings
- Other Consultations

#### Government announcements and voluntary commitments

Reducing disaster risk and building resilience relies on the engagement of all members of society. Voluntary commitments from organizations and individuals are an essential compliment to legal obligations for protecting lives, livelihoods, assets and the environment and will be one cornerators of implementation of the post 2015 framework for disaster risk reduction.



Shallo analiti

#### **GOVERNMENT OF NEPAL**

#### **Local Diseaser Reduction Management Plan**

Ministry of Federal Affairs and Local Development will support the 130 municipalities in the country to prepare the Local Disaster Risks Management Plan. We will do so in cooperation with all stakeholders involved in disaster risks reduction in Negal that include NSOs. This plan will guide the activities on disaster risks reduction at local local level.



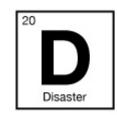
AGEING AND DISABILITY TASK FORCE PAKISTAN

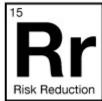
Establishing mester trainers pool on disability inclusive DRR and building capacity of 100 key DRR actors in Pakistan

In 2014-2015, we commit to the preparation of disability inclusive DRR modules and manuals; make inputs to the governmental training institute to make sure that their training curricule on DRR are made inclusive of disability; build the capacity of 20 master trainers on disability inclusive DRR; influence 100 humanitarian projects through grassroots level technical training; and training of 150 key humanitarian actors on disability inclusive DRR.

Submit an announcement or commitment

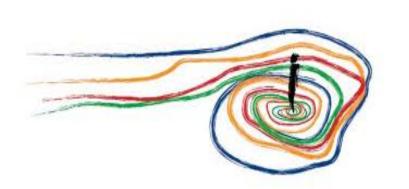






## Thank you for your attention.

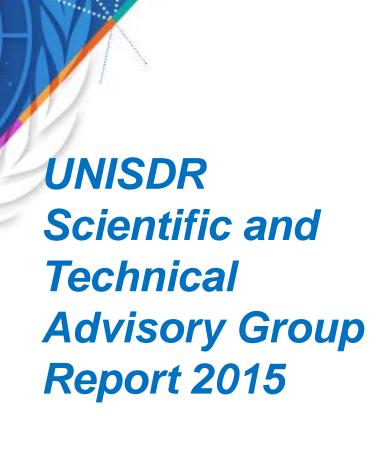
# We look forward for continuing working together to build the resilience of nations and communities to disasters.

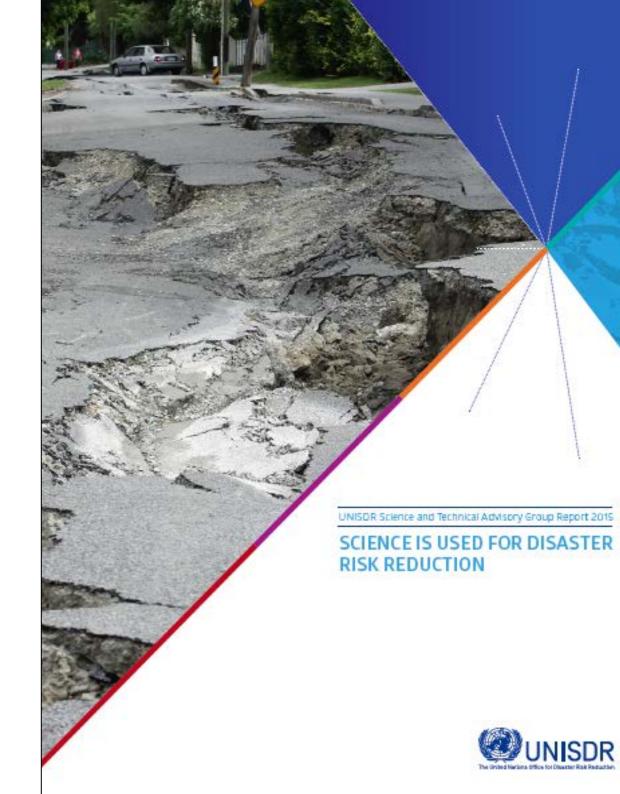


www.unisdr.org

www.preventionweb.net









- Background
- 2. Selected topics of current policy concern and scientific interest
- 3. Science in DRR: from knowledge to policy and implementation
- 4. Recommendations





# Integrated regulation to reduce wildfire risk in Australia

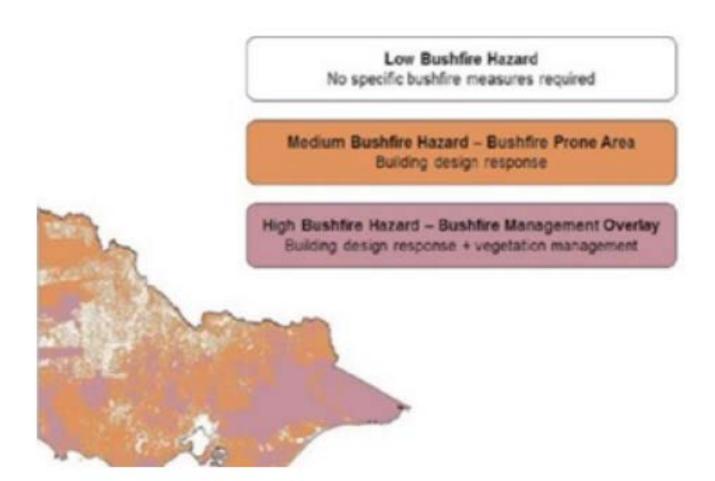


Image 12 Bushfire hazard level in Victoria, Australia (Image source: Opie et al, 2014)

Source: STAG Report 2015. Science is used for disaster risk reduction. <a href="http://preventionweb.net/go/42848">http://preventionweb.net/go/42848</a>

# Integrated regulation to reduce wildfire risk in Australia

- Climate change has increased the chance of the conditions necessary for a wildfire (known locally as bushfires) to start.
- In addition, population growth in the region has meant housing developments in areas prone to wildfires.
- To recognise that risk, computer modelling systems are produced to provide fire planning information and a higher level of communication between emergency actors and communities.

# Integrating scientific and local knowledge for disaster risk reduction and climate change adaptation in Timor-Leste



Image 3 Reforestation in Timor-Leste for disaster risk reduction and climate change adaptation. (Image source: Tim Herbert, Oxfam Australia)

Source: STAG Report 2015. Science is used for disaster risk reduction. <a href="http://preventionweb.net/go/42848">http://preventionweb.net/go/42848</a>

Integrating scientific and local knowledge for disaster risk reduction and climate change adaptation in Timor-Leste

Ising advanced, high quality data, an international NGO has developed resources to allow the sharing of information between climate scientists & the local population.

- This guidance has been utilised by multiple NGOs and other relevant organisations currently working in the country.
- Issues surrounding DRR & climate change are now routinely included at a National Government level.

# Building climate resilience to reduce disasters across Tasmania, Australia

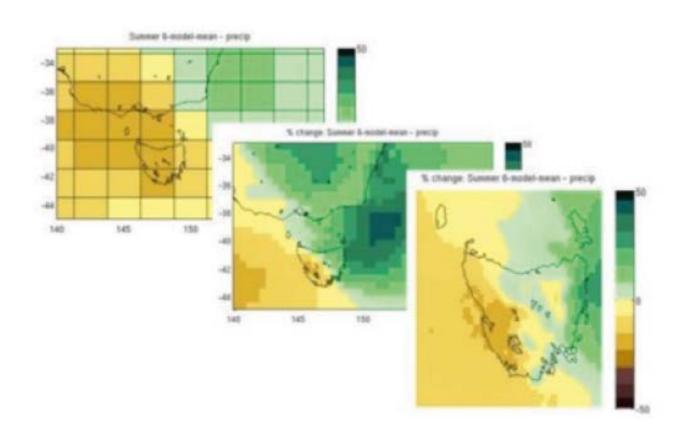


Image 4 Climate Futures for Tasmania, climate modelling steps (Image source: Climate Futures for Tasmania)

Source: STAG Report 2015. Science is used for disaster risk reduction. <a href="http://preventionweb.net/go/42848">http://preventionweb.net/go/42848</a>

# Building climate resilience to reduce disasters across Tasmania, Australia

Using advanced, high quality data, the 'climate futures for Tasmania' project is now able to provide detailed information to relevant audiences.

 It has also allowed for a more comprehensive understanding of the risks associated by a changing climate for planners and policy officials



# Recommendatio ns

- 1. Share knowledge for action
- 2. Use a multidisciplinary approach to research
- 3. Build systems resilience through local, national, regional and international partnerships





### Acknowledgements

This publication has been prepared by Dr A Aitsi-Selmi, Professor Virginia Murray and Kevin Blanchard for the UNISDR Scientific and Technical Advisory Group who have had the guidance of Ms. Margareta Walhstrom, Special Representative of the UN Secretary General for Disaster Risk Reduction.

The Members of the UNISDR Scientific and Technical Advisory Group are:

Dr. Delilah Al-Khudhairy (European Commission)

Dr. Walter Ammann (Global Risk Forum, Davos)

Dr. Pedro Basabe (UNISDR)

Professor David Johnston (Integrated Research on Disaster Risk and Massey University,

New Zealand)

Professor Virginia Murray, Vice-Chair (Public Health England, UK)

Professor Laban Ogallo (IGAD Climate Prediction and Applications Centre, Kenya)

Professor Takashi Onishi (Science Council of Japan)

Professor Ortwin Renn (University of Stuttgart, Germany)

Professor Aromar Revi (Indian Institute for Human Settlements, India)

Dr. Cathy Roth (World Health Organisation, Switzerland)

Professor Shi Peijun (Beijing Normal University, China)

Dr. John Schneider (GeoScience Australia and Global Earthquake Model, Italy)

Dr. Dennis Wenger, Chair (National Science Foundation, USA)