

Home / News & Events

# IRDR Message for IDDRR2022-- Early Action| Early Warning| Target G

11 October 2022 14:55

In 2022, the International Day will focus on Target G of the Sendai Framework: "Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to people by 2030." (View the [concept note](#))

"We need end-to-end and people-centred systems which will stop the spiral of disaster destruction and contribute to a more sustainable, more resilient and more equitable future." marked by Ms. Mami Mizutori, Special Representative of the Secretary-General for Disaster Risk Reduction and Head of UNDRR.

Key messages were collected from IRDR Community to deliver IRDR efforts toward early warning and early action. The picture for the post is provided by IRDR partner-- International Research Center of Big Data for Sustainable Development Goals. For more information of this SDG satellite, please refer to <https://sdg.casearth.cn/en/mobile/datas/SDGSAT>

Meanwhile, a MHEW project led by IRDR SC member Dr. Bapon Fakhrudin was filmed by UNDRR and selected as the promoted case: [Heeding Warnings: A call for good practices and lessons on Multi-Hazards Early Warning Systems](#)



Target G of SFDRR has been at the heart of the science mission of IRDR. Under the newly established research priorities of the Global Framework of Science in Support of Risk-informed Sustainable Development and Planetary Health, IRDR will endeavour to advance science-policy-society engagement, to improve the understanding on systemic, compound and cascading risk and knowledge sharing and to harness the technologies for more effective early warning and early action for all communities.

#DRRDay  
#EarlyAction  
#EarlyWarning

HAN Qunli  
Executive Director of IRDR-IPO





#DRRDay  
#EarlyAction  
#EarlyWarning

The Kuala Lumpur Multi-Hazard Platform (KL-MHP) is a revolutionary forecasting tool developed by Universiti Kebangsaan Malaysia's Southeast Asia Disaster Prevention Research Initiative (SEADPRI-UKM) with University of Cambridge, Department of Meteorology Malaysia, and key partners from other universities, government, and industry. This dynamic web-based system forecasts rainfall, temperature and wind speed three days ahead. In combination with susceptibility information on floods, landslides and subsidence as well as atmospheric hazards such as heat and air pollution, the KL-MHP supports informed decision-making in the City Hall of Kuala Lumpur. Disaster resilience is strengthened through provision of early warning at the city scale. For more information please visit: <http://ancst.org/nuof/>

IRDR ICoE-SEADPRI-UKM



#DRRDay  
#EarlyAction  
#EarlyWarning

We strongly support the act of IDDRR. Recent advances in high-performance computing and large-scale data fusion of sensing and observations of both natural and social phenomena are enhancing capability of early warning systems and access to disaster risk information. Artificial intelligence (AI) and machine learning are also being applied more and more widely across the world and contributing as essential elements of future early warning systems. Those have significant implications for disaster resilience to hold out the promise of dramatically improving our understanding of disaster risks and acting on time and in an appropriate manner.

International Research Institute of Disaster Science, Tohoku University

Member of IRDR ICoE-Coherence



#DRRDay  
#EarlyAction  
#EarlyWarning

Congratulations on IDDRR 2022! Glad to see the theme chosen for the IDDRR 2022 on early warning and early action. Fully support the linkage of DRR, especially Target G, and Climate Adaptation through early warning.



To advance toward this direction, we need be fully aware that (1) Disasters are complex in nature; warning messages do not have to be. (2) Multiple channels are needed to reach all potentially affected. (3) Multi-stakeholder partnership including Public-private partner's engagement is critical. (4) Alert messages are not enough; early preparedness and drills are a must. (5) MHEWS should seamlessly connect to humanitarian assistance for saving lives in developing countries.

We hope that the mid-term review of the Sendai Framework for disaster risk reduction 2015-2030, in particular for Target G, will be the driving force for accelerating the establishment of MHEWS that reach and serve all.

TANG Xu

Executive Director of IRDR ICoE-RIG-WECEIPHE





ICoE RIA led from the Institute for Risk and Disaster Reduction, University College London (IRDR-UCL) brings an interdisciplinary and holistic approach. This includes the UCL Warning Research Centre (WRC) which responds to the UN Secretary General call to provide 'Warnings for All', by bringing global expertise together and sharing best practices from a range of hazard warnings. This year the WRC published 'Enhancing Warnings' with the UK National Preparedness Commission, was awarded a Horizon Europe Framework Programme grant on 'The Human-Tech Nexus - Building a Safe Haven to Cope with Climate Extremes,' and became partners of the REAP Network. Across IRDR-UCL, research includes Bayes Ahmed developing landslide early warning systems (LEWS) and alert dissemination with Dhaka University, Bangladesh Meteorological Department, and RIMES, to introduce Bangladesh's first web-based dynamic LEWS; Rebekah Yore and Joanna Faure Walker working on warning systems suitability for prompting individual and household safety-seeking behaviour found low levels of evacuation in the Philippines and Dominica. A gendered focus is brought by the work of Punam Yadav and the Gender Responsive Resilience and Intersectionality in Policy and Practice programme. Encouraging future leaders for innovation, early warning systems are the topic of IRDR-UCL PhD research and discussed within masters programmes.

#DRRDay  
#EarlyAction  
#EarlyWarning

Mark Pelling  
Lead of IRDR ICoE RIA

**Public access to the multi-hazard disaster risk information and assessments**

Disaster risk information and assessments are specialized knowledge, which are often difficult for the general public to access and understand. DRR Atlas can be an effective alternative to improve the accessibility and knowledge sharing, such as the good example of the *Atlas of Silk Road Disaster Risk* from the IRDR Flagship Project SiDRR. It consolidates latest researches on disaster risk in the silk road region and presents the risk at different scales in a vivid form that is accessible to all the people in need. With this new Atlas, the communities will be better supported for the early warning and early action as is required in Target G of the SFDRR.

#DRRDay  
#EarlyAction  
#EarlyWarning

LEI Yu from IMDE, CAS, China  
IRDR Young Scientist (1<sup>st</sup> Batch)

Share This:

## Related News & Events



### Heeding Warnings: A call for good practices and lessons on Multi-Hazards Early Warning Systems

12 October 2022 14:57

IRDR Scientific Committee member Dr. Bapon Fakhruddin leads a national MHEW project which has been selected by UNDRR for IDDRR2022.



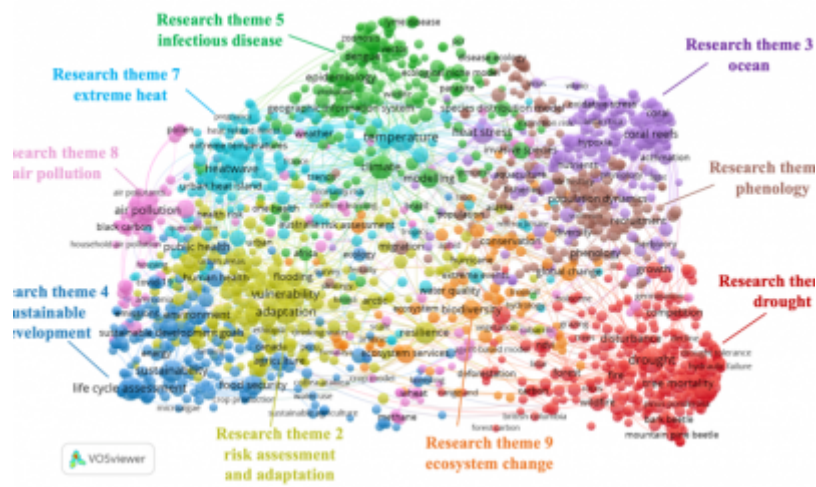




## DRR and Open DATA Newsletter | OCT2022 Edition

10 October 2022 11:51

Why climate-change 'loss and damage' will be a hot topic at COP27 | What does community-led climate work look like? | Effective Communication Of Disaster Warnings Saving Lives In Fiji | Beavers can help mitigate the effects of climate change. But how significant is their impact?



## IRDR ICoE-RIG-WECEIPHE Latest Output on Climate Change and Health

30 September 2022 14:38

The authors investigated the current status and trends of research conducted in the field of climate change and health, and summarized future research priorities based on the expert discussion and recommendation in the three high-level forums/workshops.

Disclaimer of use | Privacy Policy | Terms of use | Contact us |  
Copyright 2019 Integrated Research on Disaster Risk. All rights reserved.

+86 10 8217 8917  
[connect@irdrinternational.org](mailto:connect@irdrinternational.org)  
Room B713, No.9 Dengzhuangnan Rd., Beijing China 100094