



GFDRR Partnership Days 2024



UR
Himeji+

 **GFDRR**
Global Facility for Disaster Reduction and Recovery

 Administered by
THE WORLD BANK
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Introduction

The GFDRR 2024 Partnership Days event, which will be held at the Understanding Risk 2024 in Himeji, Japan, will bring together GFDRR members, observers, partners, and World Bank staff from all over the world. The event, through a dynamic exchange of ideas via presentations and discussions, will be an opportunity to demonstrate GFDRR's commitment to navigate a world marked by challenges that make the already complex task of disaster and climate risk reduction even more difficult

With our extensive experience, technical knowledge, and collaboration with the finest development professionals on the ground every day across 160 countries, GFDRR can drive large-scale change and make a significant impact. Our deep real-time understanding of disaster risk management priorities enables us to match innovative solutions with disaster risk challenges, making us a unique partner to help drive impact at scale.

Amid the new normal of overlapping global challenges, the urgency of addressing the climate crisis, which makes the lives and livelihoods of the poorest and the most vulnerable even more precarious, has intensified. GFDRR's commitment to a proactive approach to disaster risk management underscores the necessity of its multi-faceted work across several thematic areas — such as disaster risk financing and nature-based solutions — with an emphasis on impact and inclusion.

GFDRR Partnership Days aim to showcase the tangible impact of its efforts in bolstering resilience against shocks. The event is designed to:

- demonstrate GFDRR's targeted approach in providing technical assistance and funding where it can achieve the greatest impact.
- foster an exchange of lessons and insights among policymakers and practitioners about the challenges and opportunities in enhancing resilience and risk governance at all levels, from the community to the national level.
- deepen the understanding of how to foster inclusive resilience in policies, planning, and practices in vulnerable countries including those affected by fragile, conflict and violence situations
- reinforce strategic alliances and partnerships to bolster local capacities in climate and disaster resilience.
- illustrate the influence of GFDRR's technical assistance on policy discussions related to resilience building.

Over the past 18 years, we've built transformative collaborations with governments, communities and private sectors, to tackle complex global challenges. This annual event shows how sharing knowledge and forming alliances are crucial in enhancing global and local resilience strategies.

Agenda

Room 409

12:30 p.m. Lunch

1:30 p.m. **Welcome Remarks**



Master of Ceremony: Cristina Otano, Senior Operations Officer, GFDRR

She leads the Operations and Country Programs team, working to ensure all investments in resilience are designed taking into account disaster and climate risks, as well as future climate change and variability. Cristina also coordinates the gender program, which promotes a more gender-responsive approach of disaster risk management practices. Cristina has more than 15 years of experience with the World Bank. Prior to that, she worked for the Spanish Institute of Foreign Trade (ICEX in Bolivia). Cristina holds a master's degree in International Public Policy from the University of London, a master's degree in International Trade from the University Carlos III Madrid, and a bachelor's degree in Business Administration from University of Navarre, Spain.

1:35 p.m. **Opening Remarks**



Victoria Hugelshofer, Senior Policy Officer, BMZ, Germany

Victoria brings experience from previous roles at Wider Sense GmbH and Über den Tellerrand. She holds a degree from the University of Oxford.

1:40 p.m. **Presentation about GFDRR**



Niels Holm-Nielsen, Practice Manager, GFDRR

A Danish national, Niels joined the Bank in 2006 as a Junior Professional Officer in the Middle East and North Africa Region. He has since held several positions in Disaster Risk Management in the Latin America and the Caribbean and Africa Regions, including most recently as Lead Disaster Risk Management Specialist and Global Lead for Resilience and Disaster Risk Management. He holds a M.Sc. in Political Science from the University of Aarhus.

1:45 p.m. **Video Presentation**

1:50 p.m. **Discussion: A Deep Dive into GFDRR Impacts Around the World**



Moderator: Zoe Trohanis, Lead Disaster Risk Management Specialist, GFDRR

Prior to her current role, Zoe worked in the Europe and Central Asia (ECA) region of the World Bank Group as a Senior Urban Specialist. She has more than 15 years of experience at the Bank in disaster risk management and urban development programs, in both Latin America and the Caribbean and East Asia and the Pacific. Previously, she worked in the Hazard Management Unit at GFDRR. Prior to working at the Bank, she worked in both academia and in the private sector. Zoe has a Bachelor's degree from the University of Wisconsin-Madison and a Master's degree from American University's School of International Service.



Carolina Diaz Giraldo, Director of Environment and Development, Department of National Planning, Colombia

Previously, Carolina served as Deputy Director of Disaster Risk Management and Climate Change in the same department, where she led the incorporation of risk and climate criteria into the public investment cycle and development planning.

1:50 p.m.

Discussion: A Deep Dive into GFDRR Impacts Around the World



Mafua-'i-Vai'utukakau Maka, Director of the National Disaster Risk Management Office, Tonga

In this role, he has coordinated the national emergency response on behalf of the Tongan government, notably in response to Severe Tropical Cyclone Gita in 2018, Severe Tropical Cyclone Harold in 2021, and most recently the 2022 Hunga Tonga–Hunga Haapai eruption and tsunami. Under his leadership, Tonga is moving to a more comprehensive approach to disaster risk management.



Renato U. Solidum, Jr., Secretary of the Department of Science and Technology (DOST) of the Philippines

He has worked with DOST for the past 38 years. He started his professional career at the DOST – Philippine Institute of Volcanology and Seismology (PHIVOLCS) in 1984 after graduating with a BS in Geology from the University of the Philippines (UP) Diliman in the same year. He served at PHIVOLCS in varying capacities, starting as Science Research Specialist I and became its Director in 2003. He pursued his graduate studies at the University of Illinois at Chicago, USA, earning a MS degree in Geological Sciences at the University of Illinois, Chicago, USA and the Scripps Institution of Oceanography, University of California San Diego (UCSD), obtaining a PhD degree in Earth Sciences.



Raed Arafat, State Secretary, Ministry of Internal Affairs of Romania

He heads the Department for Emergency Situations, providing and coordinating the human, material, financial and other resources necessary to cope with emergencies, including qualified first aid, emergency medical care and aerial rescue services, emergency medical assistance within emergency units, as well as Mountain Rescuers public services.

Q&A

2:45 p.m.

Presentations on Priority Areas: From Knowledge to Impact Disaster-FCV Nexus

3:00 p.m.

Disaster-FCV Nexus

Karima Ben Bih, Senior Disaster Risk Management Specialist, GFDRR



Karima has experience in DRM, urban reconstruction and recovery, and post-conflict support. She has managed complex operations on DRM and post-disaster/post-conflict reconstruction, including in Lebanon, Morocco, Iraq, Tunisia, Ukraine, and across MENA, with a specific focus on inter-sectoral dimensions of DRM and resilient recovery. Prior to joining the World Bank, she worked for over 10 years in the private sector and with international NGOs and international organizations on housing policy, urban planning, and urban disaster risk management.

Nature-Based Solutions

Brenden Jongman, Senior Disaster Risk Management Specialist, GFDRR



Brenden leads the World Bank's global work on Nature-based Solutions. A Dutch national, he holds a PhD in Water and Climate Risk Management from the Institute for Environmental Studies in Amsterdam and has published over 40 peer-reviewed articles on resilience and climate change.

Climate and Disaster Risk Management for Health Systems

Mersedeh Tariverdi, Senior Data Scientist, World Bank



Mersedeh works at the World Bank's health, nutrition, and population global engagement team working at the intersection of resilient health systems and climate change. Majority of her work is on evidenced-based and data driven decision making in health and nutrition taking the data and future uncertainties into account. She focuses on helping World Bank teams and clients to employ Artificial Intelligence methods in analytical works to inform preparation of projects and implementation strategies as well as data informed intervention progress monitoring. Prior to joining the World Bank, she was principal data scientist in private sector working on big data and trend analysis. Mersedeh holds a Ph.D. in applied mathematics and statistics, specializing in health and infrastructure system resiliency and capacity enhancement strategies.

Inclusive DRM and Gender Equality and Disability Inclusion

Zoe Trohanis, Lead Disaster Risk Management Specialist, GFDRR



3:30 p.m.

Reflections from the Co-Chair



Takahiro Tsuda, GFDRR Co-Chair and Director, Multilateral Development Banks Division, Japan's Ministry of Finance

He was previously the World Bank Group Alternate Executive Director representing Japan. Prior to the World Bank, he headed the Office of Planning and Coordination for International Affairs at the Japanese Ministry of Finance, responsible for developing the strategic direction of the International Bureau. His leadership includes the First Deputy Budget Examiner for Agriculture, Forestry, and Fishery (July 2017 - July 2018), Deputy Head of Fiscal Research Division (June 2016 – July 2017), and leading a unit for the global economic outlook, IMF, and G7/G20 issue (2016). Previously he also worked as a financial sector expert in the Monetary and Capital Markets Department at the IMF. He holds a Bachelor of Laws from Tokyo University, LL.M. from the University of Cambridge, MA in Applied Economics from Johns Hopkins University, and MSc in Finance from London Business School.

3:35 p.m.

Closing Remarks



Guangzhe Chen, Vice President for Infrastructure, World Bank

In this position he leads the Bank's global efforts to build sustainable infrastructure in developing and emerging economies and supports the World Bank Group's strategic priorities such as the climate change action plan and the private capital mobilization and enabling efforts. He oversees the Bank's work across energy and transport sectors, digital development, and efforts to provide access to renewable energy, low-carbon transportation, digital connectivity, and quality infrastructure services to communities through public-private partnerships. Infrastructure represents around \$72 billion of the Bank's portfolio.



Plenaries June 18, 2024

10:30 a.m.-11:15 a.m.

Plenary: Richter Resilience: Advancing Seismic Protection Worldwide

Seismic resilience has been front and centre in disaster-related discussions for many years. Many agencies and organisations play important roles in tackling this great issue, from understanding the risk, to reducing the impacts. To date, the dialogue has focused on the challenges of past events and the opportunities for increasing resilience to earthquakes. This session will add to these past discussions by drawing out and contrasting decades-old and recent progress, lessons learnt and innovations and will constructively chart the next steps on the journey.

GFDRR/World Bank

2:30 p.m.-3:15 p.m.

Plenary: Global Mayoral Roundtable on Urban Climate and Disaster Resilience

In the face of increasingly frequent and intense shocks and stresses in cities, mayors play a pivotal role in shaping policies and strategies for urban climate and disaster resilience. Cities are becoming bigger, more densely populated, and more interconnected than ever before. While this rise presents many

social and economic opportunities, it also exposes cities to greater risks. The compounding effects of climate change and natural hazards magnify the potential for significant damage in urban areas. Investment in risk-informed urban planning and development, resilient infrastructure, and regulatory enforcement is critical – especially given the continued increase in climate and disaster impacts in cities globally. This session invites mayors from around the world to exchange effective climate and disaster risk management strategies, sharing the challenges they face and exploring innovative solutions.

GFDRR/World Bank

4:45 p.m.-5:30 p.m.

Plenary: Financial Resilience in Times of Crisis: Strategies from Finance Perspectives

In an era where natural hazards and health crises are becoming more frequent and severe, the role of financial preparedness is more critical than ever. Join us for an insightful panel discussion featuring prominent members of finance ministries from around the world as they delve into the complex challenges and innovative solutions to ensuring governments have the necessary resources to respond effectively to disasters.

GFDRR/World Bank

Plenaries June 19, 2024

10:30 a.m.-11:15 a.m.

Plenary: Sowing Seeds of Resilience: Financing Nature-Based Solutions for Disaster Risk Reduction

Join us for an exciting session at the intersect of people, nature and disaster risks. Nature-Based Solutions are cost-effective innovative solutions that help reduce disaster risks while offering many additional benefits including carbon sequestration, water and food security, or economic opportunities. But the financing of these innovative and unconventional solutions requires creativity, collaboration and determination. In this session, you will have an opportunity to discover new approaches and scalable models for the financing of nature-based solutions. Speakers from across development, insurance, climate finance and governments will come together to discuss the challenges and opportunities based on pioneering projects from coral reefs to city centres. Don't miss this opportunity to be at the forefront of innovation and change!

GFDRR/World Bank

2:30 p.m.-3:15 p.m.

Plenary: This House Believes that AI rather than Humans Holds the Key to Understanding Risk in Future

This Plenary will introduce two leading practitioners working at the intersection of Artificial Intelligence and humanitarianism. Speakers will debate the advances in foundational big Earth data

models, discuss their applications in understanding risk, and argue for the expected trends and emerging capabilities today. At the heart of the debate is the question of what roles are humans performing now, how is AI changing this, and what should we expect to see in future.

GFDRR/World Bank

4:45 p.m.-5:30 p.m.

Plenary: Climate Finance for Disaster Risk Management, Climate Adaptation and Resilience

Climate finance flows reached almost \$1.3 trillion in 2022, nearly doubling 2020 levels; however, this was primarily driven by a significant acceleration in mitigation finance. Mitigation still accounts for more than 90% of total funding, while adaptation roughly 5%. It is estimated that developing countries currently need about \$212 billion per year in adaptation finance up to 2030. Only \$56 billion were tracked for adaptation in 2021–2022. There is thus an urgent need to accelerate the delivery of climate adaptation finance on the ground through innovative, collaborative, and transformational approaches and mechanisms. This session will focus on climate finance for DRM, adaptation, and resilience across all levels, from the institutional, national, to the project and local level. It will discuss different financing instruments, mechanisms, structures, and processes for supporting and delivering/implementing DRM and climate adaptation on the ground.

GFDRR/World Bank

9:30 - 10:30 AM (Room 407)

Digital Earth Partnership - Space for Resilient Development

The Digital Earth Partnership builds on the rapid expansion of the capabilities of space-based satellites observing the earth, combined with advances in artificial intelligence, that make it possible to realize the concept of a Digital Earth: a digital representation of the planet accessible to all and mobilized in support of sustainable development. This session brings together supply-side space agencies offering services in space data and technology for risk information, with development banks and disaster risk reduction practitioners representing the demand side. The session will highlight key programs in space for resilient development and explore cooperation opportunities to enhance sustainability and scale-up adoption.

GFDRR/World Bank and JAXA



9:30 - 10:30 AM (Small Hall)

From the Code of Hammurabi to Future Code: Building Regulations for Resilient, Green and Inclusive Built Environment

Rapid urbanization and increased risks from the impacts of climate change and natural hazards in low- and middle-income countries require building regulations and their implementation mechanisms to improve and adapt to ensure safe, comfortable and healthy environments for people to live and work. This session, co-hosted by International Association for Earthquake Engineering (IAEE) Central Office and GFDRR's Building Regulation for Resilience team, will shed the light on the evolution of buildings codes, their current status based on recent studies, and future needs to adapt to climate change impacts and increasing disaster risk to work towards a more resilient, green and inclusive built environment.

GFDRR/World Bank and the International Association for Earthquake Engineering Central Office



June 18, 2024

9:30 - 10:30 AM (Rooms 401, 402, 403)

Making Urban Flood Protection More Accessible: Decoding Risks and Democratizing Assessment

By 2030, urban exposure to flooding will more than double. By 2050 annual flood losses in 136 major cities alone will reach \$52 billion. Addressing the risk requires specialized technical expertise that can be difficult to access. This session brings practical guidance and best-practice methods on addressing urban flood risk to all stakeholders, helping them to appraise and decide on appropriate urban flood risk mitigation and adaptation actions under a changing climate.

GFDRR/World Bank



11:30 AM - 12:30 PM (Room 407)

Assessment Fatigue? Leveraging Inter-Sectoral Data and Investments for Resilient Health Systems

A number of health systems have fostered collaborations with other sectors – including disaster response, energy, water, and transport authorities – and have devised innovative strategies to optimize their strained resources when addressing additional disaster related threats. We learn from successful country implementation cases, and show how innovative data-informed decision-making for resilient investments can be based on existing information.

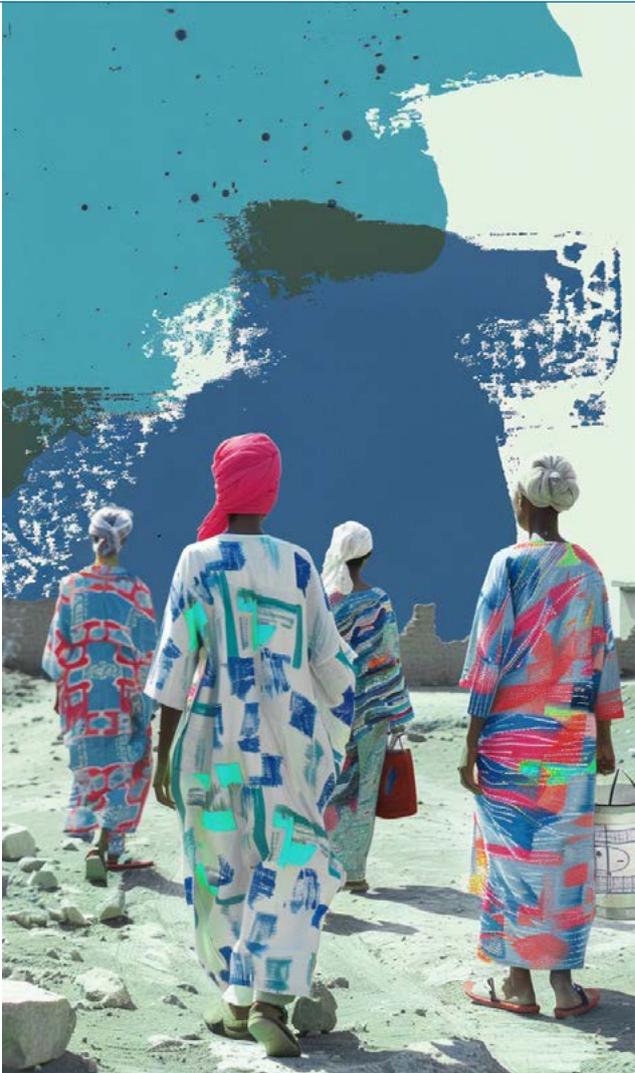
GFDRR/World Bank

11:30 AM - 12:30 PM (Medium Hall)

Disaster's Toll in Conflict and Fragile Contexts: Unveiling Economic Impacts

Despite the prevalence of disasters in conflict-affected states enacting climate and disaster resilience activities in such settings is highly challenging. This session will launch a new report providing groundbreaking insights which uncover the economic impacts of disasters and on-the-ground challenges faced by decision-makers in conflict-affected states. A better understanding of such impacts can help in mainstreaming and targeting investments in conflict-affected and fragile states to strengthen communities' climate and disaster resilience.

GFDRR/World Bank



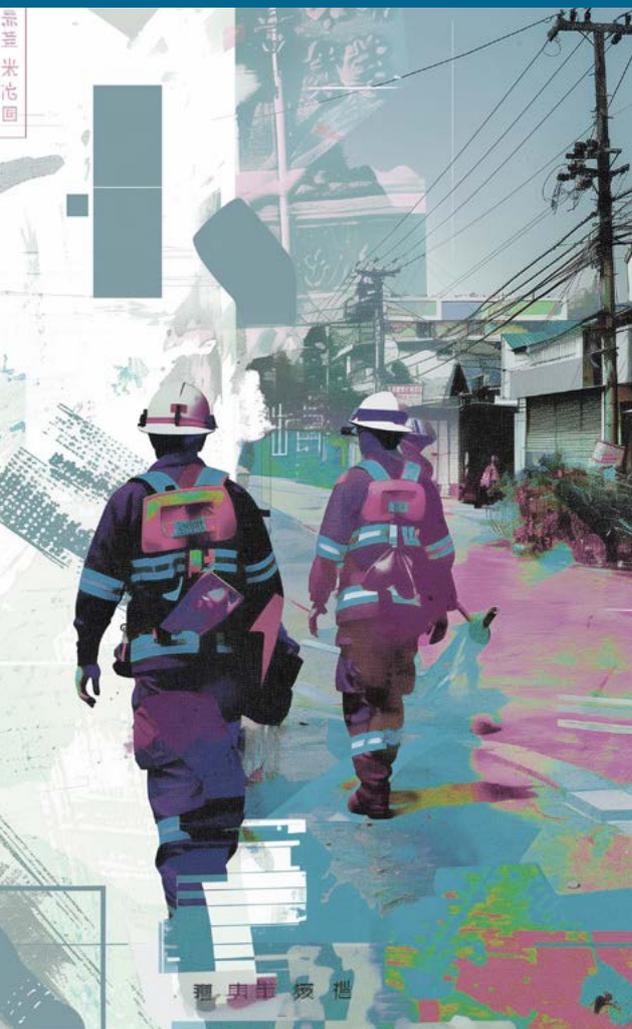
11:30 AM - 12:30 PM (Room 408)

Empowering Survivors, Building Resilience: Addressing Gender-Based Violence (GBV) in DRM

Natural disasters do not affect everyone equally. Gender roles and existing inequalities make women, girls, boys, and men more or less vulnerable to these events. Unfortunately, increased risks of gender-based violence (GBV) often occur in times of disaster. This session explores this often-ignored issue, its hidden risks, and innovative solutions. We'll discuss engaging communities and creating safe spaces to protect everyone. The session also equips practitioners with essential tools and resources for an effective response, ultimately aiming to build stronger, more equitable, resilient communities in the face of disasters.

GFDRR/World Bank

June 18, 2024



11:30 AM - 12:30 PM (Main Studio)

Command and Control: Emergency Preparedness and Response Systems from Around the World

This session will bring together policy makers from Romania, Nigeria, and the United States to highlight the importance of an emergency preparedness and response (EP&R) system, the different approaches to strengthening it, and the modernization of EP&R to incorporate the latest trends. Participants will gain insights into both national and sub-national EP&R systems and frameworks, with an emphasis on inclusivity to ensure comprehensive support across all communities. The workshop will also explore strategies for adapting EP&R systems to effectively operate within Fragile, Conflict and Violent (FCV) environments, thereby fostering a more robust approach to emergency preparedness and response.

In addition, we will examine the latest technological innovations in the field of EP&R and discuss the pivotal role of risk and crisis communication, both as a preemptive measure and as a tool during active crises.

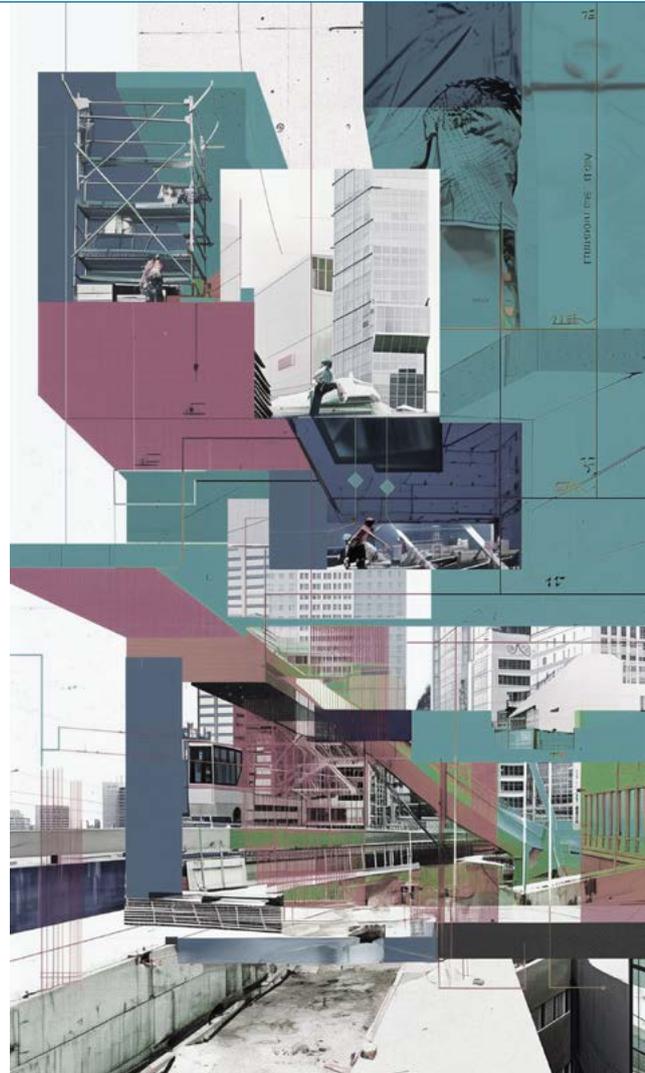
GFDRR/World Bank, and Ministry of Internal Affairs – Romania,
United States Fire Administration, National Emergency Management Agency – Nigeria

11:30 AM - 12:30 PM (Small Hall)

Risk Informed Land Use Planning for Livable and Resilient Cities

With 68% of the population projected to be urban by 2050, natural hazards and climate change increasingly impact cities and stress the built environment, critical infrastructure, and vulnerable populations. Risk-informed land use planning, often lacking in local regulatory and technical capacities, is one of the most effective tools to reduce existing risk, prevent new risk, and build resilience. This session will highlight practical ways to conduct better land use planning that incorporates risk, helping mitigate the risk cities face and ensure a more resilient urban future.

GFDRR/World Bank





12:30 PM - 1:30 PM (Main Studio)

Mobilizing Private Capital for Resilient Housing

While households invest large amounts of money in housing using their savings or taking loans, adherence to building standards is not always ensured and followed, leaving families and their most important assets at risk. What can the private sector do? How can the government budget be optimized and leveraged to address this challenge?

GFDRR/World Bank

12:30 PM - 1:30 PM (Medium Hall)

Tomorrow's Never Closed: The Future of Resilient Schools

In this session, we invite our partners to showcase their experience with the most cutting-edge technologies used for school infrastructure resilience, focusing on the solutions offered by AI and 3D construction, offering a glimpse into what the future looks like for DRM. After that, delegations from client countries will share case studies for those technologies being used in real pre- and post-disaster contexts and then open the floor for a moderated panel discussion where the audience will have a chance to ask questions and share their own related experiences.

GFDRR/World Bank





3:15 PM - 4:15 PM (Small Hall)

Combining Big Data and Private Financing to Achieve Transport Resilience

Innovative approaches and tools that utilize technology to collect climate data can serve to not only advise more resilient engineering designs, but also inform risk-sharing mechanisms in novel contract structuring approaches. These serve to both incentivize private sector participation and maximize financing for development. The session will highlight climate de-risking tools and risk-sharing practices to inform better decision-making towards bridging the climate adaptation financing gap and ultimately reducing disaster risk in the transport sector. Specific examples in hazard prone countries will be shared where the usage of technology and big data has led to the development of resilient, sustainable, safe, and gender-inclusive transport systems.

World Bank - GFDRR and Ministry of Internal Affairs - Romania

5:30 PM - 6:30 PM (Medium Hall)

Extreme Heat in Cities: From Assessment to Action

Heat waves are becoming more frequent and intense due to climate change and the urban heat island effect. By 2050, more than 4 billion people are expected to experience many hours per year of heat stress that surpasses human tolerance. But cities around the world are stepping up action on heat resilience, generating rich evidence of “what works” and a growing range of methodologies that can be applied across world regions. This session will present: (i) advances in measuring and modeling extreme heat; (ii) lessons from a Heat Action Plan that is credited with saving 1,000 lives per year; (iii) measures to cool city spaces and protect vulnerable groups during heat waves; (iv) a ‘roadmap’ for cities getting started on heat resilience.

World Bank - GFDRR





5:30 PM - 6:30 PM (Room 408)

Safeguarding the Power System – Investing for Resilience in Bangladesh, Japan, and Ukraine

Electricity is the lifeblood of a modern economy, with both natural and human-driven disasters creating complex challenges for ensuring reliable and secure power. The session will provide multiple perspectives on incorporating hazard risks into investment planning for the power system. In Bangladesh, hazard risk profiles looking decades into the future are being prepared for electricity networks, generators, and fuel supply as well as being used to strengthen asset and system-level resilience planning. In Ukraine, the power system has faced extensive damage to generation and electricity networks amidst war, but provides lessons for other electricity utilities globally to build resilience to natural and human shocks. An official from Ukraine will describe Ukrenergo's investment planning strategies to strengthen its power transmission network amidst unprecedented pressures. Finally, an official from Kansai in Japan will describe advanced practices in disaster risk management and responses including its response to the devastating Hanshin Awaji earthquake and other natural disasters including floods, landslides, forest fires and lightning.

GFDRR/World Bank

5:30 PM - 6:30 PM (Room 409)

Transforming Risk Assessment: The Power of Open Standards in Data Collaboration

The production of and access to disaster risk information remains a challenge, especially in the most vulnerable countries. This session will showcase the Risk Data Library Standard (riskdatalibrary.org) and its cross-sector value in providing a common language to describe risk data and facilitate greater sharing and collaboration in risk understanding.

GFDRR/World Bank and Open Data Services





9:30 AM - 10:30 AM (Room 408)

Safer Together: How Disability Inclusive DRM Protects Lives and Builds Resilience

Join us to explore how to empower and include persons with disabilities in DRM. We'll discuss their unique capacities and abilities to enhance resilience and learn from successful approaches in the East Asia and Pacific region and beyond. Gain practical tips on making disaster risk management efforts work for everyone and discover how to build stronger, more resilient communities that leave no one behind.

GFDRR/World Bank and Japan National Assembly of Disabled Peoples' International (DPI-Japan)

11:30 AM - 12:30 PM (Small Hall)

Building a prepared and resilient Central Asia

The main objectives of this technical session are to (i) raise awareness on disaster risks and climate challenges in the Central Asia region; (ii) share knowledge and promote innovative approaches in enhancing preparedness, managing disaster risks and building resilience; and (iii) foster greater regional collaboration. This session is largely built on the Central Asia regional engagement and findings from the Strengthening Financial Resilience and Accelerating Risk Reduction program.

GFDRR/World Bank - Strengthening Financial Resilience and Accelerating Risk Reduction in Central Asia (SFRARR)





11:30 AM - 12:30 PM (Room 407)

Holistic and Inclusive Resilience: Insights from the World Risk Poll and Sierra Leone

This session will launch the 2023 edition of the Resilience Index, showing how different aspects of resilience have improved or deteriorated in different parts of the world since the data was last collected in 2021. The session will present key trends from the data, see these discussed with a panel of resilience and disaster risk reduction experts, and seek audience input on how this data can be put into action to improve safety.

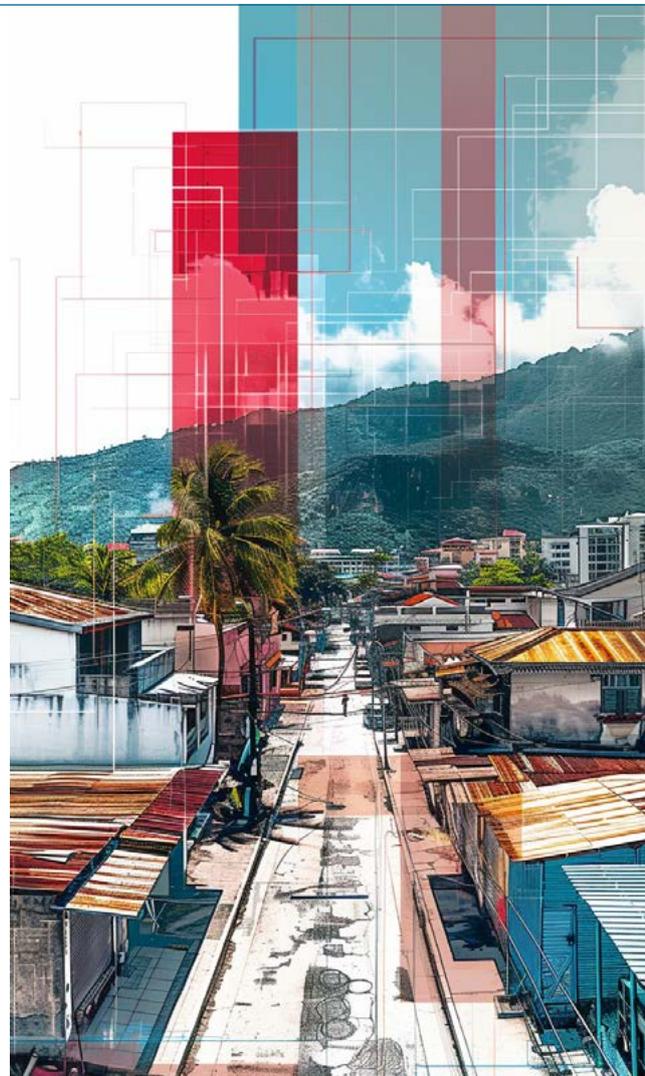
Lloyd's Register Foundation and GFDRR/World Bank

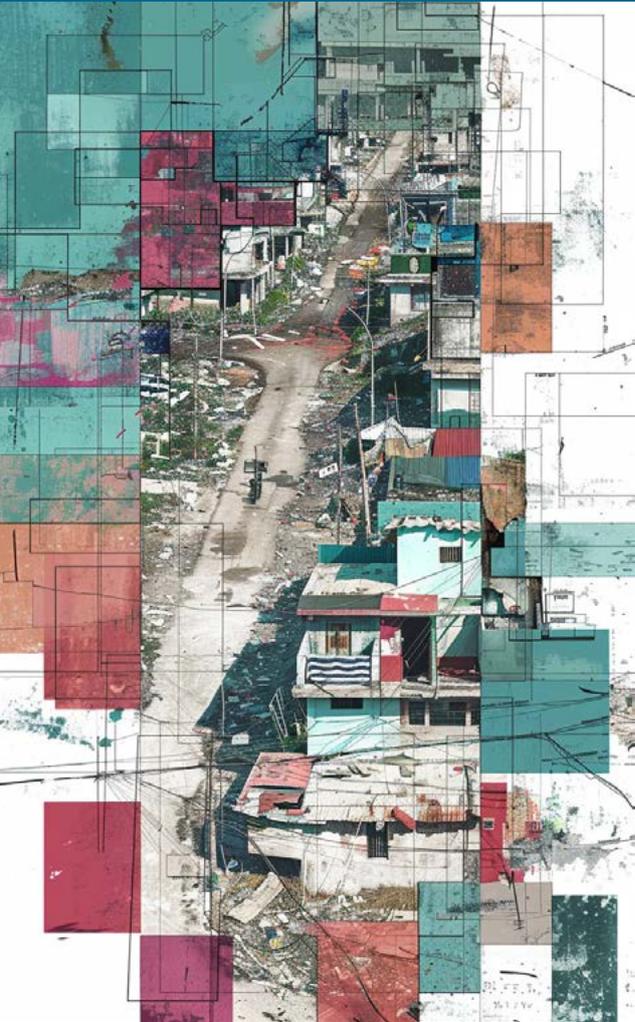
11:30 AM - 12:30 PM (Rooms 401, 402, 403)

The Island Advantage: Strategies for Resilient Urbanization in Small Island Developing States

Led by officials from select atoll nations and development partners funding urban resilience investments in these cities, the session will discuss how small island developing states have undertaken resilience planning and increased the understanding of disaster and climate risks, adaptation options, and risk-informed development pathways. The session will detail how atoll nations in particular are re-thinking their approach to sustainable development and how urbanization will evolve. The session will highlight key findings from JICA's upcoming operation in Kiribati and the World Bank's upcoming study *The Island Advantage: Strategies for Resilient Urbanization in the Pacific*.

GFDRR/World Bank and Japan International Cooperation Agency (JICA)





3:15 PM - 4:15 PM (Small Hall)

Advances in Multi-Hazard Risk and Resilience

The session delves into the intricate dynamics of addressing interdependencies between natural hazards, the resulting multi-hazard risks, and how we can enhance the resilience of communities to them. The session brings together recent advances in these fields including assessing and managing multi-hazard risks, quantification of socioeconomic resilience, updates of the Hazard Information Profiles, and disaster forensics approach to understanding multi-hazard risk.

GFDRR/World Bank; VU Amsterdam; International Science Council; UK Health Security Agency

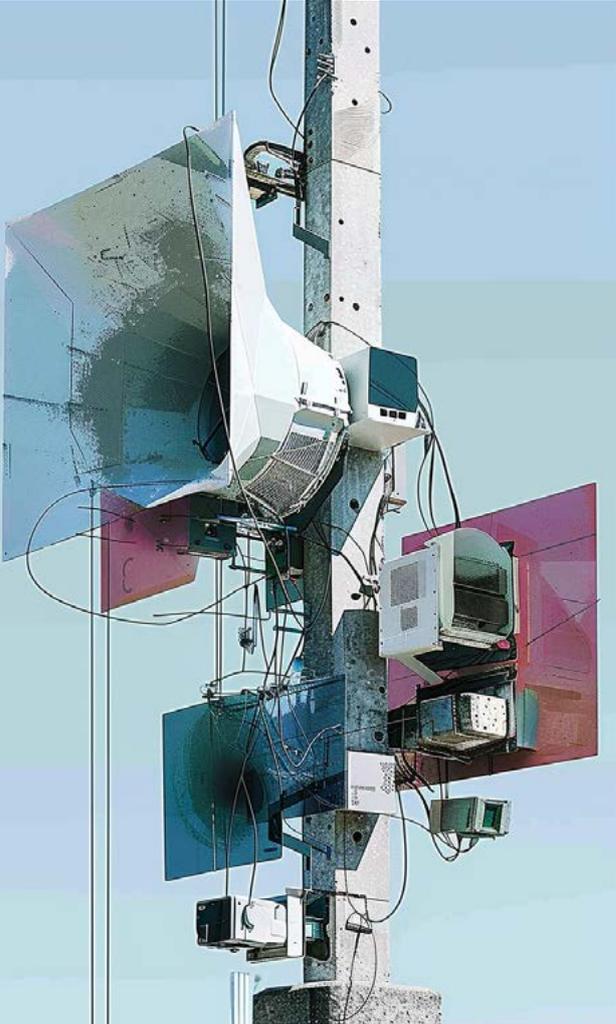
3:15 PM - 4:15 PM (Rooms 401, 402, 403)

Bridging the Infrastructure Gap: Tools for Resilient Investments in Infrastructure for the Caribbean

During this session, we will discuss the importance of integrating disaster risks in the way public infrastructure projects are appraised, selected, designed, and implemented. The CRF has supported countries in the region in analyzing the impact of new infrastructure projects on improving disaster resilience before they are selected for inclusion in national budgets. Moreover, the CRF has designed and tested a thorough assessment methodology to determine strategic investment needs for major infrastructure assets. This methodology consists of three parts: (i) conducting vulnerability assessments of infrastructure systems and identifying sectors of priority; (ii) applying Infrastructure Scorecards; and (iii) creating investment plans for priority sectors to reinforce infrastructure systems. Additionally, a Sector Recovery Capacity Assessment has been conducted in six Caribbean countries. This assessment identifies solution to capacity challenges that could impede and delay the implementation of recovery projects and provides recommendations to improve recovery processes across three key areas: Governance, Competencies, and Resources and Tools.

Canada Caribbean Resilience Facility (CRF) and GFDRR/World Bank





3:15 - 4:15 PM (Medium Hall)

Tackling the 'Impossible': Long Lead Time Flood Warnings in Very Fast-Responding Basins

Flash flooding affects millions of people worldwide and, unlike flooding in larger river basins, there is very little time between the rainfall and the flood impact. This provides unique challenges for not just hydrometeorological forecasting but for those trying to alert vulnerable populations to the risk (likelihood and consequence) with adequate lead time for actions to be taken. In this session, you will hear from technical experts and disaster management practitioners involved in recent World Bank assignments in Sierra Leone and Niger in which flash flooding is regularly experienced. These assignments have worked with NMHS organisations to help build capacity and understanding of the technical, social, economic and environmental issues of flash flooding. In Sierra Leone, a trial flood guidance system was developed in 2023 using probabilistic convective-scale rainfall forecasting, allowing long lead times. Lessons from this trial and how these could affect other countries will be shared and discussed. We are leaving 20 minutes for discussion, questions and answers: we would love to hear from conference attendees on their ideas for communicating flash flooding forecasts with limited lead times.

JBA Consulting and GFDRR/World Bank

3:15 PM - 4:15 PM (Room 408)

The Serious Matter of Gamifying Disaster Risk Financing

In this game simulation, participants dive into the decision-making processes and tradeoffs officials experience when determining how to best prepare for and respond to disaster events, such as floods. Participants will use disaster risk financing tools and instruments, and work together as a cabinet, to protect their countries from financial ruin.

GFDRR/World Bank



June 20, 2024

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|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:30 AM - 6:00 PM (Study Visit) | Emergency Operations Center Design and Management Workshop <i>GFDRR/World Bank and the Himeji City Municipal Emergency Operations Center</i> |
| 9:00 AM - 1:00 PM (Room 402) | How Much Resilience? Tools for Disaster Risk Assessment to Promote Resilience in Infrastructure Investments <i>GFDRR/World Bank</i> |
| 9:00 AM - 6:00 PM (Room 403) | Nature-Based Solutions (NBS) for Climate Resilience - From Analytics to Decision Making <i>GFDRR/World Bank</i> |
| 9:00 AM - 6:00 PM (Room 407) | Pacific Talanoa Hub Conversations on Innovative Tools and Strategies for Resilience <i>GFDRR/World Bank</i> |
| 9:00 AM - 6:00 PM (Room 408) | Unlocking Innovative Solutions to Disaster Resilience in Fragile, Conflict and Violent Settings <i>GFDRR/World Bank</i> |
| 9:00 AM - 6:00 PM (Main Studio) | UP – Unifying Partners Old and New to Ensure Warnings Save Lives <i>Risk Informed Early Action Partnership and the Met Office, UK and GFDRR/World Bank</i> |
| 9:00 AM - 6:00 PM (Main Studio) | Constellations for Resilience: The ESA – World Bank Collaboration <i>GFDRR/World Bank</i> |
| 11:00 AM - 1:00 PM (Stage of Medium Hall) | Bridging the Infrastructure Gap: Enhancing Public Investment Management in the Face of Natural Hazards <i>Canada Caribbean Resilience Facility (CRF)</i> |
| 2:00 PM - 6:00 PM (Room 406) | Towards a Green, Resilient and Inclusive Built Environment <i>GFDRR/World Bank</i> |

June 21, 2024

9:00 AM - 12:30 PM (Room 203)

Charting the Path to Resilient and Low-Carbon Cities Through Scenario Modeling and Informed Decision-Making

GFDRR/World Bank

9:00 AM - 1:00 PM (Small Hall)

Building Multidimensional Resilience in Kerala

GFDRR/World Bank

9:00 AM - 1:00 PM (Room 406)

Data Analytics for DRM in Health Systems: AI-Driven Tools for Cross-Sectoral Resilience

GFDRR/World Bank

9:00 AM - 6:00 PM (Room 401)

Focus Day on Innovative Risk Reduction and Recovery Solutions for ACP Countries

GFDRR/World Bank

11:00 AM - 1:00 PM (Room 408)

Bridging the Gap Between Physical & Financial Resilience Solutions for Housing and Business Sectors

GFDRR/World Bank and Howden Group

2:00 PM - 5:00 PM (Room 408)

Unlocking Early Warning for All: Empowering Inclusive Action through Community Access and Partnerships

GFDRR/World Bank



