
International Society for Integrated Disaster Risk Management



IDRiM Newsletter

Issue 19, March 2020



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1. IDRIM NEWS

Message from the Editorial Team

The IDRiM Society wants to express empathy for those effected and suffering from the consequences of the global COVID-19 pandemic. We, as a Society, are committed to learning from the current events, promoting integrated disaster risk research, building on our networks and our members' expertise. Together we may understand the failures, challenges, and identify best-practices that may help us be better prepared for future events. We are committed to identifying opportunities for enhancing sector knowledge and supporting the translation of these into practical solutions.

We wish everyone the best for the coming months. We hope you may stay safe and take care of yourself, your loved ones, and those around you.

Editorial Team
IDRiM Newsletter

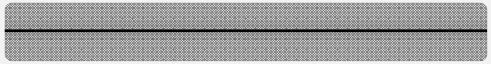


A Message from the Outgoing IDReM President Professor Adam Rose

It has been my great honor to serve as President of the International Society for Integrated Disaster Risk Management. I very much enjoyed working with the Board of Directors, the Secretariat, our membership, and our conference hosts over the past three years. It was a difficult decision for me to decide not to stand for re-election, but I made that choice for two reasons. First, I think it is important for more of our members to have leadership roles in the Society, especially younger ones. Second, I was recently appointed the Director of a major research center at my university, and I didn't think I can do justice to both that responsibility and serving as IDReM President.

Again, I wish to thank all of those who've worked diligently on various IDReM activities, especially our annual conference. Our Society is only strong if people are willing to give of their time and energy on these and other initiatives. I stand ready to support our new President, Ana Maria Cruz of DPRI, she takes on the leadership duties at the beginning of April. I encourage all of you to do the same. Ana Maria has been a very hard-working and devoted leader in our Society, serving on the Board of Directors as Secretary of the Society for many years, and I expect that she will capitalize on her experience and intelligence in guiding IDReM to even greater heights in the future.

Over the past three years, I've emphasized that the IDReM Charter states as the Society's main objective: "To promote knowledge sharing, interdisciplinary research and development on integrated disaster risk management contributing to the implementation of successful models for efficient and equitable disaster risk management options. Furthermore, the IDReM Society aims at promoting knowledge transfer

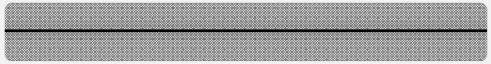


and dissemination of information and concepts on integrated disaster risk management.” Together, we have strived to promote the following vision for our Society:

- *Stimulate high-quality research and research implementation*
- *Identify and explore new areas of inquiry in research and practice*
- *Advance the integration of the various aspects of our field*
- *Disseminate the work of the Society and its membership more widely*
- *Address pressing issues at the conceptual, methodological, empirical, policy and implementation levels*
- *Influence policy at the local, regional, national, and international levels*
- *Increase membership, with an eye toward attracting top people involved in research and practice*
- *Foster more involvement and new initiatives from our younger members*
- *Enhance the diversity of our membership*

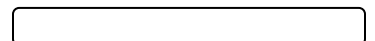
During our Board Meeting and General Assembly this past October in Nice, France, we decided to engage in a formal Strategic Planning initiative to assess IDReM Society accomplishments over the past 10 years and chart a course for the next ten. I’m happy to announce that Joanne Linerooth-Bayer and Elisabeth Krausmann have agreed to serve as co-chairs of the Committee to guide this process. I expect that they will be reaching out to all of our membership in the near future.

I also again encourage all IDReM members to avail themselves of the many perks of membership, including attending our conferences, publishing in our Journal, submitting manuscripts to our new IDReM Book Series with Springer Publishers, reading our Newsletter and Bulletin, posting communications on our Website, and organizing and partaking of new IDReM Initiatives.



I look forward to seeing many of you at our 2020 Conference in Kyoto this September. I will continue to serve the Society as a member of the Board of Directors, and welcome your suggestions for making our Society more inclusive and effective.

Best regards,
Adam Rose
IDRiM President
adam.rose@usc.edu



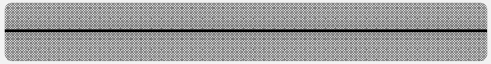


Letter from the new President of the IDRiM Society, Professor Ana Maria Cruz

I am honored and grateful to each and everyone of our members to have been elected President of the IDRiM Society (2020/04-2023/03). I would like to thank the outgoing President, Adam Rose, for his leadership, high motivation and energy, and outstanding contributions during his presidency.

I have been a member of the IDRiM family now for almost 20 years. I was privileged to have joined the first IIASA-DPRI Forum on Integrated Disaster Risk Management in Laxenburg, Austria in 2001, and attended almost all IIASA-DPRI forums before the establishment of the IDRiM Society in 2009. Since the founding of the IDRiM Society, I have been inspired by Norio Okada, the former President, Joanne Linerooth-Bayer, Aniello Amendola, Peijun Shi, Mohsen Ashtiany, Hirokazu Tatano, and other founding members who dreamed of IDRiM as a way to foster interdisciplinary research, and bridge the gap between theory and practice by promoting integrated disaster risk management and implementation science. Today, IDRiM has been propelled forward collectively by you, our members, and by the past presidents and past members of the Board of Directors. I look forward to continuing this important work together with the new Board of Directors towards fulfilling the mission of IDRiM.

I hope I can bring my own past experience and expertise on Natechs, which is a complex and interdependent type of risk, and extend it beyond the current state bringing in more social and human dimensions. I also hope that through my multi-cultural background, and life and work experience in different continents in industry, government and



academia, I myself, can serve as a kind of bridge to reach out to potential members from diverse disciplines, backgrounds and underrepresented countries in IDRiM.

As we celebrate 20 years since the first IIASA-DPRI Forum was held, and as we celebrate 10 years since the first IDRiM conference was held in Austria in 2010, we should pause to evaluate the achievements and contributions of the Society, and develop our shared, future road-map for the coming decade. In this sense, the formal Strategic Planning initiative started since the IDRiM2019 Conference in Nice is of utmost importance.

I would like to request your support and active participation in the activities of the IDRiM Society, such as the annual conference, publishing through the IDRiM Journal, contributing to the Newsletter and Bulletin, or contributing through our topical committees. I would like to especially call on young scientists to become more involved. I look forward to receiving your comments and suggestions on how we can better serve you, our members, improve our visibility, as well as attract more members. I hope we can incorporate your enthusiasm and new ideas in order to strengthen our current activities, or by proposing new initiatives and activities if there is interest.

Before closing, I would just like to say that I pray that we may all get through these extremely difficult times safely, or at least without too many scars. It is by joining efforts, across borders, disciplines and cultures, and working together that we can overcome challenges. Let us not lose hope. This is what IDRiM is about.

Sincerely,

Ana Maria Cruz



Announcement

IDRiM Conference 2020

22nd – 24th September 2020 in Kyoto, Japan
Reviewing the Effectiveness of Integrated Disaster Risk
Management Initiatives
~ Saga from 2001 to 2020 ~

IDRiM2020 takes on a special meaning as we look back at two decades of applied and theoretical research on integrated disaster risk management. Thus, we may ask, how has IDRiM contributed to disaster risk reduction (DRR)? Should IDRiM play a more prominent role in global platforms on DRR, development and climate change adaptation? Can IDRiM promote implementation science through ideas such as the case-station field campuses (CASI FiCA) and other initiatives? Can IDRiM play a stronger role in bridging the gap between local, national and international multi-stakeholder discussions on disaster risk reduction? How “integrated” have our efforts been? Do we need to expand our views? How can advances from other disciplinary fields and initiatives that have not been traditionally included in the DRR discourse (e.g., conscious businesses and new economics paradigms, green construction, life cycle assessment and planning, environmental protection including reducing consumption and waste, simple living, green cities, disaster history, anthropology and cultural studies, and many more) contribute to DRR and vice versa? Furthermore, as the world is currently facing one of the worst pandemics the world has faced in many years, we encourage presentations that can help us understand and learn from this disaster.



IDRiM 2020 will look at the above topics as well as presentations addressing issues related to:

- ✓ Understanding hazards and risks
- ✓ Managing risks
- ✓ Climate change
- ✓ Development
- ✓ Interconnections, chain effects / cascading events
- ✓ Aging and shrinking populations
- ✓ Promoting intergenerational discussion and collaboration
- ✓ Implementation science
- ✓ Resilience and sustainability
- ✓ Disaster education
- ✓ Population and development in Asia and Africa
- ✓ Human and collective behavior, risk perception and DRR
- ✓ Technological hazards triggered by natural hazards
- ✓ Economics of disasters
- ✓ Disaster risk financing
- ✓ Risk governance

Special dates:

April / 2020

Open Homepage

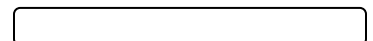
Call for abstracts (special session, poster, oral, YSS)

Mid May / 2020

Special session and workshops deadline

Mid May / 2020

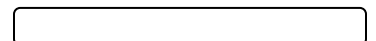
Early bird registration starts



End of May / 2020	Abstracts submission deadline
Mid June/ 2020	Announcement of acceptance of special sessions and workshops
End of June/ 2020	Announcement of acceptance of Abstracts
End of Jul / 2020	Early Bird registration finishes
Aug / 2020	Normal registration starts
Dec / 2020	Full paper submission deadline

Conference Website: <http://idrim2020.com/>

NOTE: Corresponding to the rapidly changing situation of the COVID-19 pandemic around the world, as of March 30, the IDRiM Board of Directors is discussing on multiple possible plans regarding the IDRiM 2020 Conference including postponement or adapting (e.g., via online webinars). Please check the conference website and emails sent from the Society Secretariat.





IDRiM Book Series

The Editors of the IDRiM Book Series invite submissions. Please send a one-page prospectus to Professors Norio Okada (kyotoکانori@gmail.com) or Adam Rose (adam.rose@usc.edu)

More information about the Series can be found at: <https://www.springer.com/series/13465>

2. Other NEWS

Global Risks Report 2020

From the press release:

Source: <https://www.weforum.org/press/2020/01/burning-planet-climate-fires-and-political-flame-wars-rage>

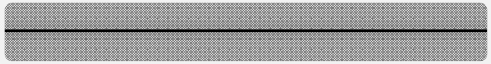
“The report forecasts a year of increased domestic and international divisions and economic slowdown. Geopolitical turbulence is propelling us towards an “unsettled” unilateral world of great power rivalries at a time when business and government leaders must focus urgently on working together to tackle shared risks.

Over 750 global experts and decision-makers were asked to rank their biggest concerns in terms of likelihood and impact and 78% said they expect “economic confrontations” and “domestic political polarization” to rise in 2020.

This would prove catastrophic, particularly for addressing urgent challenges like the climate crisis, biodiversity loss and record species decline. The report, produced in partnership with Marsh & McLennan and Zurich Insurance Group, points to a need for policy-makers to match targets for protecting the Earth with ones for boosting economies – and for companies to avoid the risks of potentially disastrous future losses by adjusting to science-based targets.

For the first time in the survey’s 10-year outlook, the top five global risks in terms of likelihood are all environmental. The report sounds the alarm on:

- Extreme weather events with major damage to property, infrastructure and loss of human life
- Failure of climate-change mitigation and adaptation by governments and businesses.
- Human-made environmental damage and disasters, including environmental crime, such as oil spills, and radioactive contamination.

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- Major biodiversity loss and ecosystem collapse (terrestrial or marine) with irreversible consequences for the environment, resulting in severely depleted resources for humankind as well as industries.
 - Major natural disasters such as earthquakes, tsunamis, volcanic eruptions, and geomagnetic storms.

It adds that unless stakeholders adapt to “today’s epochal power-shift” and geopolitical turbulence – while still preparing for the future – time will run out to address some of the most pressing economic, environmental and technological challenges. This signals where action by business and policy-makers is most needed.” [...]“The Global Risks Report is part of the [Global Risks Initiative](#) which brings stakeholders together to develop sustainable, integrated solutions to the world’s most pressing challenges.

[Systems-level thinking](#) is required to confront looming geopolitical and environmental risks, and threats that may otherwise fall under the radar. This year’s report focuses explicitly on impacts from rising inequality, gaps in technology governance, and health systems under pressure.

“To younger generations, the state of the planet is even more alarming. The report highlights how risks are seen by those born after 1980. They ranked environmental risks higher than other respondents, in the short- and long- terms. Almost 90% of these respondents believe “extreme heat waves”, “destruction of ecosystems” and “health impacted by pollution” will be aggravated in 2020; compared to 77%, 76% and 67% respectively for other generations. They also believe that the impact from environmental risks by 2030 will be more catastrophic and more likely.”

“The *Global Risks Report 2020* has been developed with the invaluable support of the World Economic Forum’s Global Risks Advisory Board. It also benefits from ongoing collaboration with its Strategic Partners Marsh & McLennan and Zurich Insurance Group and its academic advisers at the Oxford Martin School (University of Oxford), the National University of Singapore and the Wharton Risk Management and Decision Processes Center (University of Pennsylvania).”

Website:

http://www3.weforum.org/docs/WEF_Global_Risk_Report_2020.pdf



Global Report on Internal Displacement 2019

From the press release :

Source: <http://www.internal-displacement.org/global-report/grid2019/>

“A record 41.3 million people are displaced inside their own countries because of conflict and violence, according to a new report by the Internal Displacement Monitoring Centre (IDMC) of the Norwegian Refugee Council (NRC).

The number of people living in internal displacement worldwide as of the end of 2018 is the highest it has ever been, according to the Global Report on Internal Displacement, launched today at the United Nations in Geneva. This is an increase of more than a million since the end of 2017 and two-thirds more than the global number of refugees.

The record figure is the result of years of cyclical and protracted displacement, and high levels of new displacement between January and December 2018. IDMC recorded 28 million new internal displacements associated with conflict, generalised violence and disasters in 2018.

Ongoing conflict in the Democratic Republic of the Congo and Syria, and a rise in intercommunal tensions in Ethiopia, Cameroon and Nigeria’s Middle Belt region triggered most of the 10.8 million new displacements linked to conflict and violence. Internally displaced people (IDPs) who tried to return to their homes in Iraq, Nigeria and Syria during the year found their property destroyed, infrastructure damaged and basic services non-existent.”

“Extreme weather events were responsible for the majority of the 17.2 million new displacements associated with disasters in 2018. Tropical cyclones and monsoon floods led to mass displacement in the Philippines, China and India, mostly in the form of evacuations. California suffered the most destructive wildfires in its history, which displaced hundreds of thousands of people.

A number of countries were affected by both conflict and disasters. Drought in Afghanistan triggered more displacement than the country’s armed conflict, and

the crisis in north-eastern Nigeria was aggravated by flooding that affected 80 per cent of the country.”

“The report shows that internal displacement is an increasingly urban phenomenon. Warfare in cities such as Dara’a in Syria, Hodeidah in Yemen and Tripoli in Libya accounted for much of the displacement recorded in the Middle East in 2018. Urban centres such as Dhaka in Bangladesh are also the preferred destination for many people fleeing the effects of climate change.

Such influxes present great challenges for cities and can aggravate existing risk factors. People who fled fighting in rural areas of Afghanistan and Somalia faced abject poverty, tenure insecurity and onward displacement from flooding and evictions in Kabul and Mogadishu.

“Regional press releases detailing more specific displacement within geographical areas are available for sub-Saharan Africa, the Americas, Asia and Middle East and North Africa.” They can be found at (<http://www.internal-displacement.org/global-report/grid2019/>): “

About IDMC

The Internal Displacement Monitoring Centre (IDMC) is the world's authoritative source of data and analysis on internal displacement. Since its establishment in 1998, as part of the Norwegian Refugee Council (NRC), IDMC has offered a rigorous, independent and trusted service to the international community. Their work informs policy and operational decisions that improve the lives of the millions of people living in internal displacement, or at risk of becoming displaced in the future.

Website: <http://www.internal-displacement.org/>

Report available in different languages at:

<http://www.internal-displacement.org/global-report/grid2019/>



Global Assessment Report

GAR 2019 out

From the press release.

Source: <https://gar.unisdr.org/news/undrr-global-assessment-report-disaster-risk-reduction-calls-governments-take-urgent-action>

“The world faces new, emerging, and much larger threats than ever before, linked to climate change, environmental degradation, and the growing potential for one disaster to produce or exacerbate another, says a new report from the United Nations.

The Global Assessment Report 2019 (GAR19) published by the United Nations Office for Disaster Risk Reduction (UNDRR) at the Global Platform for Disaster Risk Reduction, outlines major risks to human life and material property, ranging from air pollution and biological hazards, through to earthquakes, drought, and climate change.

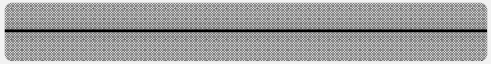
“Extreme changes in planetary and socioecological systems are happening now; we no longer have the luxury of procrastination. If we continue living in this way, engaging with each other and the planet in the way we do, then our very survival is in doubt,” said Mami Mizutori, the Special representative of the Secretary-General (SRSG) for Disaster Risk Reduction.

Unsustainable patterns of growth

The report warns that unsustainable patterns of economic activity hide the build-up of systemic risks across sectors citing for example, dangerous overdependence on single crops in an age of accelerating global warming.

“We witness severe inequalities of burden sharing between low and high income countries, with the poorest bearing the highest toll and greatest costs of disasters. Human losses and asset losses relative to GDP tend to be higher in the countries with the least capacity to prepare, finance and respond to disasters and climate change, such as in small island developing States,” the report argues.

There is growing potential for one disaster to produce or exacerbate another as happens often in the case of heavy rains which trigger landslides and mudslides



following wildfires or periods of long drought, says the new report launched at the Global Platform for Disaster Risk Reduction.

Sustainable Development Goals (SDGs)

If governments do not adopt appropriate strategies to manage risk, then these threats could slow or even reverse progress towards the Sustainable Development Goals (SDGs), notably eradicating poverty and hunger, and action on climate change.

"The human race has never before faced such large and complex threats. The doubling of extreme weather events over the last twenty years is further evidence that we need a new approach to managing disaster risk if we are to limit disaster losses. Economic losses are making it an uphill battle to hold on to development gains in low and middle income countries," said SRSR Mizutori.

"At the same time, the resilience gap between rich and poor is made worse by poorly-planned urbanization, the disappearance of bio-diversity and protective eco-systems, population growth in disaster exposed areas which all add to a complex cocktail of risk which drives internal displacement and migration in search of a better life."

Adopting the Sendai Framework

The report urges governments to put the Sendai Framework for Disaster Risk Reduction into action, shifting focus from disaster management to reducing risk.

Adopted by UN Member States in 2015, the Sendai Framework aims to reduce the impact of disasters in terms of mortality, numbers of people affected, and economic loss. It requires governments to understand disaster risk, strengthen disaster risk governance, invest in resilience, and enhance disaster preparedness.

According to the last Global Assessment Report in 2015, annual global investments of USD 6 billion in appropriate disaster risk reduction strategies would generate total benefits of USD 360 billion each year.

"We must recognize that an international development financing system that allocates approximately 20 times the funding to emergency response, reconstruction, relief and rehabilitation activities rather than prevention and preparedness, acts counter to sustainability principles," SRSR Mizutori added.



Complex interactions

The complexity of our global economy and the interactions between human and natural systems means that one disaster can quickly provoke another. Population growth and rising consumption are set to put more pressure on the world's ecosystems than ever before.

Drought is likely to emerge as a complex risk due to its wide-ranging, slow building, and cascading impacts. Drought can affect agriculture, water supply, energy production, transport, tourism, health, biodiversity, and ecosystems. A special report on drought will be published in 2020.”

Website: <https://gar.unisdr.org/report-2019>



Asia pacific disaster report

From the ESCAP/CDR/2019/1 summary:

Source: https://www.unescap.org/sites/default/files/Summary%20of%20the%20Asia-Pacific%20Disaster%20Report%202019_English.pdf

The Asia pacific disaster report “provides an overview of disaster trends and impacts in Asia and the Pacific, and, by including slow-onset disasters, for the first time a comprehensive estimate of annualized economic losses due to disasters was calculated. The Report also contains information on how disasters and exposure to multiple hazards play a significant role in reversing the social development of the region and will continue to widen various inequality gaps unless enhanced efforts and investments are made to reduce the risks and impacts

By employing an economic model and conducting a policy review of the many disaster risk reduction interventions already underway in the region, the secretariat was able to highlight policy options for breaking the cycle between disasters, poverty, inequality and disempowerment. The Report also contains highlights of opportunities arising from the technologies that have emerged in the fourth industrial revolution to create a pathway to empowering and including the poorest and most vulnerable people.

Website for the report: www.unescap.org/publications/asia-pacific-disaster-report-2019

3. Conference Announcements

- **22 September – 24 September 2020**
IDRiM Conference 2020, Reviewing the Effectiveness of Integrated Disaster Risk Management Initiatives

IDRiM2020 takes on a special meaning as we look back at two decades of applied and theoretical research on integrated disaster risk management. Thus, we may ask, how has IDRiM contributed to disaster risk reduction (DRR)? Should IDRiM play a more prominent role in global platforms on DRR, development and climate change adaptation? Can IDRiM promote implementation science through ideas such as the case-station field campuses (CASiFiCA) and other initiatives? Can IDRiM play a stronger role in bridging the gap between local, national and international multi-stakeholder discussions on disaster risk reduction? How “integrated” have our efforts been? Do we need to expand our views? How can advances from other disciplinary fields and initiatives that have not been traditionally included in the DRR discourse (e.g., conscious businesses and new economics paradigms, green construction, life cycle assessment and planning, environmental protection including reducing consumption and waste, simple living, green cities, disaster history, anthropology and cultural studies, and many more) contribute to DRR and vice versa?

Due to the COVID-19 pandemic situation we refrain to list any upcoming conferences and refer to the related internet links given below for updated information.

4. Internet Resource List

- Global Alliance of Disaster Research Institutes
<http://www.gadri.net/>
- Emergency Events Database EM-DAT
<http://www.emdat.be/>
- World Economic Forum Database
<http://reports.weforum.org/>
- Global Assessment Report and UNISDR
<https://www.unisdr.org/we/inform/gar>
- Munich NatCatService
<http://www.munichre.com/en/reinsurance/business/non-life/natcatservice/index.html>
- Global Disaster Watch
<http://globaldisasterwatch.blogspot.co.at/>
- RSOE EDIS - Emergency and Disaster Information Service
<http://hisz.rsoe.hu/alertmap/index2.php>
- GDACS - Global Disaster Alert and Coordination System
<http://www.gdacs.org/>
- Pacific Disaster Center
<http://www.pdc.org/>
- Global Assessment Report on Disaster Risk Reduction 2013:
<http://www.preventionweb.net/english/hyogo/gar/2013/en/home/index.html>
- United Nations Office for Disaster Risk Reduction. Global Assessment Report (GAR):
<http://www.unisdr.org/we/inform/gar>
- PreventionWeb: Serving the information needs of the disaster reduction community:
<http://www.preventionweb.net/english/>.
- Disaster Reduction Hyper base: Web based facility to compile appropriate disaster reduction technologies and knowledge.



<http://drh.edm.bosai.go.jp/>

- MCEER: Collection of disaster management resources, including international, federal, state, local and non-profit organizations:
http://mceer.buffalo.edu/infoservice/reference_services/disasterManagementResources.asp
- Staffordshire Raynet: Disaster and Emergency Management on the Internet. Long list of websites for various disasters and databases.
<http://www.keele.ac.uk/depts/por/disaster.htm>
- Internet Resources for Disaster Studies: University of Delaware Library
<http://www2.lib.udel.edu/subj/disasters/internet.htm>
- FEMA Federal Emergency Management Agency: Focus is on the US
<http://www.fema.gov/index.shtm>
- EDEN - Extension Disaster Education Network: Reducing the Impact of Disasters Through Education
<http://eden.lsu.edu/EDENCourses/Pages/default.aspx>
- Disaster Handbook: University of Florida.
<http://disaster.ifas.ufl.edu/links.htm>
- Disaster Management: Royal Roads University.
<http://libguides.royalroads.ca/content.php?pid=64941&sid=480216>
- Natural Hazards and Disaster Information Resources: University of Colorado at Boulder (including newsletter).
<http://www.colorado.edu/hazards/resources/>
- Center for Excellence in Disaster Management and Humanitarian Assistance
<https://www.cfe-dmha.org/>
- Humanitarian Library
<http://www.humanitarianlibrary.org/>
- UNHCR: Emergency Handbook
<https://emergency.unhcr.org/>
- ProVention Consortium: Working in Partnership to Build Safer Communities and Reduce Disaster Risk
<http://www.proventionconsortium.net/?pageid=29>

5. Disaster Related Journals

- **Journal of Integrated Disaster Risk Management, IDRIM Journal**
<http://idrimjournal.com/index.php/idrim>
- **Economics of Disasters and Climate Change**
<http://www.springer.com/economics/environmental/journal/41885>
- **Journal of Extreme Events**
<http://www.worldscientific.com/worldscinet/joe>
- **Weather and Climate Extremes**
<http://www.journals.elsevier.com/weather-and-climate-extremes/>
- **Climate Risk Management**
<http://ees.elsevier.com/clrm/>
- **Journal of Geography & Natural Disasters**
<http://www.omicsgroup.org/journals/jgndhome.php>
- **Disaster Health**
<http://www.landesbioscience.com/journals/disasterhealth/>
- **International Journal of Disaster Risk Reduction (IJDRR)**
http://www.elsevier.com/wps/find/journaldescription.cws_home/727506/description#description
- **Journal of Contingencies and Crisis Management**
<http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291468-5973>
- **Australasian Journal of Disaster and Trauma Studies**
<http://www.massey.ac.nz/~trauma/welcome.shtml>
- **Jàmbá: Journal of Disaster Risk Studies**
<http://www.jamba.org.za/index.php/jamba/index>
- **Georisk: Assessment and Management of Risk for Engineered Systems and Geohazards**
<http://www.tandf.co.uk/journals/journal.asp?issn=17499518&linktype=1>
- **Current Opinion in Environmental Sustainability**
http://www.elsevier.com/wps/find/journaldescription.cws_home/718675/description#description

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- **International Journal of Risk Management (IJRM)**
<http://www.serialspublications.com/journals1.asp?jid=583>
 - **International Journal of Safety and Security Engineering**
<http://journals.witpress.com/jsse.asp>
 - **Global Environmental Change**
http://www.elsevier.com/wps/find/journaldescription.cws_home/30425/description#description
 - **Journal of Homeland Security and Emergency Management**
<http://www.bepress.com/jhsem/about.html>
 - **Journal of Emergency Management**
<http://www.pnpco.com/pn06001.html>
 - **International Journal of Disaster Resilience in the Built Environment**
<http://www.emeraldinsight.com/products/journals/journals.htm?id=IJDRBE>
 - **Regional Environmental Change**
<http://www.springer.com/environment/global+change+-+climate+change/journal/10113>
 - **Natural Hazards Review**
<http://ascelibrary.org/nho/>
 - **Journal of Risk Analysis and Crisis Response**
<http://www.atlantis-press.com/publications/jracr/index.html>
 - **Environmental Hazards**
<http://www.earthscan.co.uk/?tabid=37213>
 - **International Journal of Climate Change Strategies and Management (IJCCSM)**: www.emeraldinsight.com/products/journals/journals.htm?id=ijccsm
 - **Journal of Natural Disaster Science**
<http://www.soc.nii.ac.jp/jsnds/contents/jnds/about.html>
 - **Disasters**
<http://www.wiley.com/bw/journal.asp?ref=0361-3666&site=1>
 - **Environmental Hazards**
<http://www.earthscan.co.uk/?tabid=37213>

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- **Natural Hazards**
www.springer.com/earth+sciences+and+geography/hydrogeology/journal/11069
 - **Mitigation and Adaptation Strategies for Global Environmental Change**
<http://www.springer.com/earth+sciences+and+geography/meteorology+%26+climatology/journal/11027>
 - **Extremes**
<http://www.springer.com/statistics/journal/10687>
 - **International Journal of Disaster Resilience in the Built Environment**
<http://www.disaster-resilience.salford.ac.uk/international-journal-of-disaster-resilience>
 - **Journal of Disaster Research**
http://www.fujipress.jp/JDR/JDR_about.html
 - **Asian Journal of Environment and Disaster Management (AJEDM)**
<http://rpsonline.com.sg/journals/101-ajedm/ajedm.html>
 - **International Journal of Disaster Risk Science**
<http://www.springer.com/13753>
 - **Disaster Advances**
<http://www.disasterjournal.net/>
 - **International Journal of Mass Emergencies & Disasters**
<http://www.ijmed.org/>
 - **International Journal of Disaster Recovery and Business Continuity**
<http://www.sersc.org/journals/IJDRBC/>
 - **Disaster Prevention and Management**
<http://www.emeraldinsight.com/products/journals/journals.htm?id=dpm>
 - **Risk Analysis**
<http://www.blackwellpublishing.com/journal.asp?ref=0272-4332&site=1>
 - **Journal of Risk Research**
<http://www.tandf.co.uk/journals/journal.asp?issn=13669877&linktype=1>
 - **International Journal of Risk Assessment and Management (IJRAM)**
<http://www.inderscience.com/browse/index.php?journalID=24>

6. New Books

Advances in Spatial and Economic Modeling of Disaster Impacts,

Authors: Yasuhide Okuyama and Adam Rose (Editors)

Year: 2019

Publisher: Springer

ISBN: 978-3-030-16236-8

Content: This book is divided into three parts. The first part addresses the conceptual and broader issues of disaster modeling, offering insights for better understanding of disaster characteristics, with the aim of improving the theoretical representations and interpretations of disasters in quantitative analysis. The second part presents a series of advances in the state-of-the-art modeling frameworks using Computable General Equilibrium (CGE), Input-Output (I-O), integrated, and other economic models. The third part illustrates the use of disaster modeling in the decision-making process for recovery and reconstruction after a disaster, as well as for strategies to reduce risk from future disasters. This chapter concludes with a discussion of priorities for future research, including distributional impacts, integration with financial models, and long-run sustainability after a disaster.

Disaster Upon Disaster: Exploring the Gap Between Knowledge, Policy and Practice

Authors: Susanna M. Hoffma and Roberto E. Barrios

Year: 2019

Publisher: Berghahn Books

ISBN: 978-1789206487

Content: A consistent problem that confronts disaster reduction is the disjunction between academic and expert knowledge and policies and practices of agencies mandated to deal with the concern. Although a great deal of knowledge has been acquired regarding many aspects of disasters, such as driving factors, risk construction, complexity of resettlement, and importance of peoples' culture, very little has become protocol and procedure. *Disaster Upon Disaster* illuminates the numerous disjunctions between the suppositions, realities, agendas, and executions in the field, goes on to detail contingencies, predicaments, old and new plights, and finally advances solutions toward greatly improved outcomes.

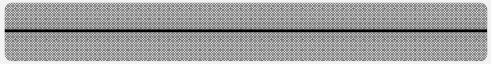
Emergency Management: Concepts and Strategies for Effective Programs 2nd Edition

Authors: Dennis W. Tafoya

Year: 2020

Publisher: Palgrave Macmillan

ISBN: 978-3030370732



Content: This book explores how and why an event is a precursor to the emergence of a crisis and how a given crisis affects an organization and its stakeholders. Using existing systems theory blended with innovative use of wave, epidemiological, immunological and psycho-social theories, the author discusses ways to understand the effects of different types of crises while showing how to document and/or quantitatively measure those effects. The book offers new models illustrating how events trigger crises and how they subsequently morph into catastrophes and disasters. Using theories and tools tested in organizational settings to identify contributors to a traumatic event, this book makes a valuable contribution to organizational and crisis management literature.

Emergency Management: Concepts and Strategies for Effective Programs 2nd Edition

Authors: Nikolas Scherer

Year: 2020

Publisher: Routledge

ISBN: 978-0367342470

Content: This book provides one of the first systematic in-depth studies on regional catastrophe risk pools. It explores the various goals of these new financial instruments, illustrating how they function on a conceptual, technical and practical level, and reconstructs their political genesis. With climate-related disasters increasing in frequency and severity, *Insuring Against Climate Change* explores how affected countries, especially those in the Global South, have increasingly turned to innovative index insurance instruments, as demonstrated by the creation of the Caribbean Catastrophic Risk Insurance Facility (CCRIF), the African Risk Capacity (ARC) and the Pacific Catastrophe Risk Assessment and Financing Initiative Facility (PCRAFI Facility). Scherer scrutinizes the formation of this trend, exploring comparatively the goals, characteristics and histories of these tools, and argues that their attractiveness rests more on political than economic benefits and is, in fact, more supply than demand-driven. Making a significant contribution to current debates on the opportunities and limitations of what are sometimes described as indirect 'climate risk insurance', this book will be of great interest to political scientists with an interest in insurance instruments and climate-related disaster management politics as well as to practitioners working in the insurance, finance and the development sectors.

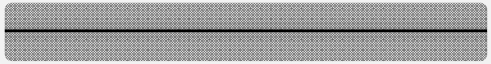
Extreme and Systemic Risk Analysis: A Loss Distribution Approach

Authors: Hochrainer-Stigler, Stefan

Year: 2020

Publisher: Springer

ISBN: 978-981-15-2688-6



Content: This book is about how extreme and systemic risk can be analyzed in an integrated way. Risk analysis is understood to include measurement, assessment as well as management aspects. Integration is understood as being able to perform risk analysis for extreme and systemic events simultaneously. The presented approach is based on Sklar's theorem, which states that a multivariate distribution can be separated into two parts – one describing the marginal distributions and the other describing the dependency between the distributions using a so-called copula. It is suggested to reinterpret Sklar's theorem from a system or network perspective, treating copulas as a network property and individual, including extreme, risk as elements within the network. In that way, extreme and systemic risk can be analyzed independently as well as jointly across several scales. The book is intended for a large audience, and all techniques presented are guided with examples and applications with a special focus on natural disaster events. Furthermore, an extensive literature and discussion of it are given in each chapter for the interested reader.

Disaster Risk Communication

Authors: Yamori, Katsuya (Ed.)

Year: 2020

Publisher: Springer

ISBN: 978-981-13-2317-1

Content: This book provides a unique blend of integrated disaster risk communication research conducted by authors with diverse backgrounds, including social psychology, sociology, civil engineering, informatics, and meteorology. It reports on the latest advances in collaborative and participatory action research on community-based disaster management from the frontline in Japan, Nepal, China and the USA. In addition, it employs and integrate a broad range of methodologies, including mathematical analyses, computer simulations, questionnaire surveys, gaming approaches, and participatory observation. Each chapter deals with disaster risk communication initiatives to address various hazards, such as earthquakes, tsunamis, floods and landslides, which are uniquely integrated from a social psychological perspective.

An Interdisciplinary Approach for Disaster Resilience and Sustainability

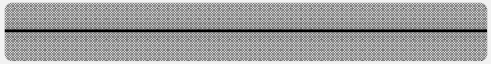
Authors: Pal, I., von Meding, J., Shrestha, S., Ahmed, I., Gajendran, T. (Eds.)

Year: 2020

Publisher: Springer

ISBN: 978-981-329-526-1

Content: This book includes selected papers presented at the international expert forum on “Mainstreaming Resilience and Disaster Risk Reduction in Education,” held at the Asian Institute of Technology, Thailand on 1–2 December 2017. The journey towards disaster risk reduction and resilience requires the participation of a wide array of stakeholders ranging from academics to policymakers, to disaster managers. Given the multifaceted and interdependent



nature of disasters, disaster risk reduction and resilience require a multidisciplinary problem-solving approach and evidence-based techniques from the natural, social, engineering, and other relevant sciences. Traditionally, hazard and disaster-related studies have been dominated by the engineering and social science fields. In this regard, the main purpose of this book is to capture the multidisciplinary and multisectoral nature of disaster risk reduction, and to gather existing data, research, conceptual work, and practical cases regarding risk reduction and its ties to sustainable development under a single “umbrella.” Along with the sustainability aspect, the book also links disaster risk reduction with development, technology, governance, education, and climate change, and includes discussions on challenges, solutions, and best practices in the mainstreaming of disaster risk reduction.

Emergency Management: Concepts and Strategies for Effective Programs 2nd Edition

Authors: Lucien G. Canton

Year: 2018

Publisher: Wiley

ISBN: 1119066859

Content: Provides a comprehensive examination of emergency management and offers concepts and strategies for creating effective programs. This book looks at the larger context within which emergency management response occurs, and stresses the development of a program to address a wide range of issues. Not limited to traditional emergency response to natural disasters, it addresses a conceptual model capable of integrating multiple disciplines and dealing with unexpected emergencies. *Emergency Management: Concepts and Strategies for Effective Programs, Second Edition* starts by focusing on the three pillars on which successful emergency management is based: an understanding of history, knowledge of social science research, and technical expertise in emergency management operations. It provides insight as to how emergency management has evolved and suggests reasons why the current method of response planning doesn't work as well as it should. The book then goes on to discuss establishing and administering the emergency management program. It looks at the analysis of risk as the basis for strategy development, and considers both the traditional macro view of hazard identification and analysis as well as the micro view required for continuity planning. Strategy development is examined next, followed by coverage of planning process, techniques and methods. The book finishes with chapters on coordinating response, leading in crisis, and crisis management. *Emergency Management: Concepts and Strategies for Effective Programs* is an important book that will benefit students, law enforcement, and state and local emergency managers and planners involved in emergency management.



Resilient Structures and Infrastructure 1st ed. 2019 Edition

Authors: Noroozinejad Farsangi, Ehsan (Editor), Izuru Takewaki (Editor), Tony Y. Yang (Editor), Abolhassan Astaneh-Asl (Editor), Paolo Gardoni (Editor)

Year: 2018

Publisher: Springer

ISBN: 9811374457

Content: This book discusses resilience in terms of structures' and infrastructures' responses to extreme loading conditions. These include static and dynamic loads such as those generated by blasts, terrorist attacks, seismic events, impact loadings, progressive collapse, floods and wind. In the last decade, the concept of resilience and resilient-based structures has increasingly gained in interest among engineers and scientists. Resilience describes a given structure's ability to withstand sudden shocks. In other words, it can be measured by the magnitude of shock that a system can tolerate. This book offers a valuable resource for the development of new engineering practices, codes and regulations, public policy, and investigation reports on resilience, and provides broad and integrated coverage of the effects of dynamic loadings, and of the modeling techniques used to compute the structural response to these loadings

Disaster Risk Science

Authors: Peijun Shi (Author)

Year: 2018

Publisher: Springer

ISBN: 9811366888

Content: This is the first English language book to systematically introduce basic theories, methods and applications of disaster risk science from the angle of different subjects including disaster science, emergency technology and risk management. Viewed from basic theories, disaster risk science consists of disaster system, formation mechanism and process, covering 3 chapters in this book. From the perspective of technical methods, disaster risk science includes measurement and assessment of disasters, mapping and zoning of disaster risk, covering 4 chapters in this book. From the angle of application practices, disaster risk science contains disaster management, emergency response and integrated disaster risk paradigm, covering 3 chapters in the book. The book can be a good reference for researchers, students, and practitioners in the field of disaster risk science and natural disaster risk management for more actively participating in and supporting the development of "disaster risk science".

Palaeohydrology: Traces, Tracks and Trails of Extreme Events

Authors: Jürgen Herget (Editor), Alessandro Fontana (Editor)

Year: 2018

Publisher: Springer

ISBN: 3030233146

Content: The book provides a review of the most relevant topics on the booming discipline of palaeohydrology and focuses on previous extreme events like exceptional floods and droughts. Reviews written by leading experts of their fields are combined with selected key studies and presentations on up-to-day methodical and conceptual topics as a perspective for further research. Consequently, the compilation provides an excellent review on the state of the art of numerous relevant topics of palaeohydrology and acts as unique introduction for early career scientists and scientists of different disciplines working on hydrological extreme events, both in basic research and applied aspects.

Livestock Survival And Management During Disasters

Authors: Mahadevappa D Gouri (Author), Y. B. Rajeshwari (Author), S. B. Prasanna (Author)

Year: 2018

Publisher: New India Publishing Agency -NIPA

ISBN: 9387973107

Content: The book has covered all man made and natural disasters and their effect on livestock and how they can be managed better for longer survival and help to the humans. Topics on how animals can sense a disaster in advance and what are the common indications given by them and how humans can benefit from it. Book elucidates the management of feeding, feed resources, production and health so as to make the livestock production economical. It is hoped that the compilation will prove useful for the researchers, planners and policy makers to understand the causes for the loss of productivity and health of livestock in drier regions and help in devising management plans towards sustenance and improvement of production.

Reduction And Predictability Of Natural Disasters 1st Edition

Authors: John Rundle (Author), William Klein (Author), Don Turcotte (Author)

Year: 2018

Publisher: Routledge

ISBN: 0367320495

Content: Within the past five years, the international community has recognized that it may be possible, through programs of systematic study, to devise means to reduce and mitigate the occurrence of a variety of devastating natural hazards. Among these disasters are earthquakes, volcanic eruptions, floods, and landslides. The importance of these studies is underscored by the fact that within fifty years, more than a third of the world's population will live in seismically and volcanically active zones. The International Council of Scientific Unions, together with UNESCO and the World Bank, have therefore endorsed the 1990s as the International Decade of Natural Disaster Reduction (IDNDR), and are planning a variety of programs to address problems related to the predictability and mitigation of these disasters, particularly in third-world countries. Parallel programs have begun in a number of U.S. agencies.



The UNHCR and Disaster Displacement in the 21st Century: An Organizational Analysis

Authors: Sinja Hantscher

Year: 2018

Publisher: Springer

ISBN: 3030196887

Content: This book offers an in-depth case study on the leading international refugee agency, the United Nations High Commissioner for Refugees (UNHCR), and its approach to environmentally displaced persons. The author examines the UNHCR on the basis of expert interviews and content analysis in order to highlight why and how the organization is addressing the issue. The analysis draws on organizational as well as security theory, offering readers a better understanding of the connection between the two. The book appeals to scholars in the fields of migration and organizational studies, as well as policymakers and professionals working in international organizations.

Hurricane Risk

Authors: Jennifer M. Collins (Editor), Kevin Walsh (Editor)

Year: 2018

Publisher: Amazon Digital Services LLC

ASIN: B07NV9H1YF

Content: This book details the outcomes of new research focusing on climate risk related to hurricanes. Topics include numerical simulation of tropical cyclones, through tropical cyclone hazard estimation to damage estimates and their implications for commercial risk. Inspired by the 6th International Summit on Hurricanes and Climate Change: From Hazard to Impact, this book brings together leading international academics and researchers, and provides a source reference for both risk managers and climate scientists for research on the interface between tropical cyclones, climate and risk.

The Big Ones: How Natural Disasters Have Shaped Us (and What We Can Do About Them)

Authors: Lucy Jones

Year: 2018

Publisher: Doubleday

ISBN: 978-0385542708

Content: Earthquakes, floods, tsunamis, hurricanes, volcanoes--they stem from the same forces that give our planet life. Earthquakes give us natural springs; volcanoes produce fertile soil. It is only when these forces exceed our ability to withstand them that they become disasters. Together they have shaped our cities and their architecture; elevated leaders and toppled governments; influenced the way we think, feel, fight, unite, and pray. The history of natural disasters is a history of ourselves. In *The Big Ones*, leading seismologist Dr. Lucy Jones offers a bracing look at some of the world's greatest natural disasters, whose

reverberations we continue to feel today. At Pompeii, Jones explores how a volcanic eruption in the first century AD challenged prevailing views of religion. She examines the California floods of 1862 and the limits of human memory. And she probes more recent events--such as the Indian Ocean tsunami of 2004 and the American hurricanes of 2017--to illustrate the potential for globalization to humanize and heal. With population in hazardous regions growing and temperatures around the world rising, the impacts of natural disasters are greater than ever before. *The Big Ones* is more than just a work of history or science; it is a call to action. Natural hazards are inevitable; human catastrophes are not. With this energizing and exhaustively researched book, Dr. Jones offers a look at our past, readying us to face down the Big Ones in our future.

Climate Change and Insurance: Disaster Risk Financing in Developing Countries

Authors: Eugene N. Gurenko

Year: 2018

Publisher: Amazon Digital Services LLC

ISBN: 1844074838

Content: Climate change brings about a new set of major economic risks arising from changing weather patterns, extreme weather events and rising sea levels. Most at risk are developing countries who, despite considerable post-disaster donor aid, have been bearing the major brunt of disaster-related losses. One adaptation solution that is rapidly gaining the support of countries and international donors is a risk transfer to the global reinsurance and capital markets. This volume, a special issue of the journal *Climate Policy*, explores the role that insurance-based mechanisms can play in helping developing countries prepare for climate change. It offers a unique and comprehensive perspective on the potential role of insurance solutions in global adaptation to climate change and attempts to engender debate on the role of insurance in reducing global emissions and encouraging climate-friendly corporate behaviour.

The Sociotechnical Constitution of Resilience

Authors: Amir, Sulfikar (Ed.)

Year: 2018

Publisher: Palgrave Macmillan

ISBN: 978-981-10-8508-6

Content: This book considers the concept of resilience in a global society where coping with the consequence and long term impact of crisis and disaster challenges the capacity of communities to bounce back in the event of severe disruption. Catastrophic events such as the 9.11 terrorist attack, the Fukushima nuclear disaster, and the volcano eruption in Central Java entailed massive devastation on physical infrastructures, and caused significant social and economic damage. This book considers how the modern sociotechnological system facilitating human activity defines how societies survive and whether a crisis will be short-lived or prolonged. Drawing on the concept of sociotechnical

resilience, this book closely examines a range of events North America, Asia, Australia, and Europe. By presenting the successes and failures of sociotechnical resilience, it offers important insights and practical lessons to build better and comprehensive understandings of resilience in a real-world setting, significantly contributing to the study of disaster resilience.

Natural Hazards GIS-based Spatial Modeling Using Data Mining Techniques

Authors: Pourghasemi, Hamid Reza, Rossi, Mauro (Eds.)

Year: 2018

Publisher: Springer International Publishing

ISBN: 978-3-319-73382-1

Content: This edited volume assesses capabilities of data mining algorithms for spatial modeling of natural hazards in different countries based on a collection of essays written by experts in the field. The book is organized into three parts which were under the editorial responsibility of different section editors: (1) Geophysical disasters, (2) Hydrological disasters, and (3) climatological disaster. The first part consists of landslides and earthquake (seismic) disasters. The second part includes flash flood, erosion, and land subsidence research. The final part focuses on climate change, forest fire, land fire, and drought subjects. Chapters were peer-reviewed by recognized scholars in the field of natural hazards research. Each chapter provides an overview on the topic, methods applied and discusses examples used. The concepts and methods are explained at a level that allows undergraduates to understand and other readers learn through examples. This edited volume is shaped and structured to provide the reader with a comprehensive overview of all covered topics. It serves as a reference for researchers from different fields including land surveying, remote sensing, cartography, GIS, geophysics, geology, natural resources, and geography. It also serves as a guide for researchers, students, organizations, and decision makers active in land use planning and hazard management.

Urban Resilience for Risk and Adaptation Governance

Authors: Brunetta, G., Caldarice, O., Tollin, N., Rosas-Casals, M., Morató, J. (Eds.)

Year: 2018

Publisher: Springer International Publishing

ISBN: 978-3-319-76943-1

Content: This book brings together a series of theory and practice essays on risk management and adaptation in urban contexts within a resilient and multidimensional perspective. The book proposes a transversal approach with regard to the role of spatial planning in promoting and fostering risk management as well as institutions' challenges for governing risk, particularly in relation to new forms of multi-level governance that may include stakeholders and citizen engagement. The different contributions focus on approaches, policies, and practices able to contrast risks in urban systems generating social inclusion,

equity and participation through bottom-up governance forms and co-evolution principles. Case studies focus on lessons learned, as well as the potential and means for their replication and upscaling, also through capacity building and knowledge transfer. Among many other topics, the book explores difficulties encountered in, and creative solutions found, community and local experiences and capacities, organizational processes and integrative institutional, technical approaches to risk issue in cities.

Advances in Indian Earthquake Engineering and Seismology

Authors: Sharma, M.L., Shrikhande, Manish, Wason, H.R. (Eds.)

Year: 2018

Publisher: Springer International Publishing

ISBN: 978-3-319-76854-0

Content: This edited volume is an up-to-date guide for students, policy makers and engineers on earthquake engineering, including methods and technologies for seismic hazard detection and mitigation. The book was written in honour of the late Professor Jai Krishna, who was a pioneer in teaching and research in the field of earthquake engineering in India during his decades-long work at the University of Roorkee (now the Indian Institute of Technology Roorkee). The book comprehensively covers the historical development of earthquake engineering in India, and uses this background knowledge to address the need for current advances in earthquake engineering, especially in developing countries. After discussing the history and growth of earthquake engineering in India from the past 50 years, the book addresses the present status of earthquake engineering in regards to the seismic resistant designs of bridges, buildings, railways, and other infrastructures. Specific topics include response spectrum superposition methods, design philosophy, system identification approaches, retaining walls, and shallow foundations. Readers will learn about developments in earthquake engineering over the past 50 years, and how new methods and technologies can be applied towards seismic risk and hazard identification and mitigation.

Big Data in Engineering Applications

Authors: Roy, S.S., Samui, P., Deo, R., Ntalampiras, S. (Eds.)

Year: 2018

Publisher: Springer Singapore

ISBN: 978-981-10-8475-1

Content: This book presents the current trends, technologies, and challenges in Big Data in the diversified field of engineering and sciences. It covers the applications of Big Data ranging from conventional fields of mechanical engineering, civil engineering to electronics, electrical, and computer science to areas in pharmaceutical and biological sciences. This book consists of contributions from various authors from all sectors of academia and industries, demonstrating the imperative application of Big Data for the decision-making

process in sectors where the volume, variety, and velocity of information keep increasing. The book is a useful reference for graduate students, researchers and scientists interested in exploring the potential of Big Data in the application of engineering areas.

Communicating Climate Change Information for Decision-Making

Authors: Serrao-Neumann, Silvia, Coudrain, Anne, Coulter, Liese (Eds.)

Year: 2018

Publisher: Springer International Publishing

ISBN: 978-3-319-74668-5

Content: This book provides important insight on a range of issues focused on three themes; what new climate change information is being developed, how that knowledge is communicated and how it can be usefully applied across international, regional and local scales. There is increasing international investment and interest to develop and communicate updated climate change information to promote effective action. As change accelerates and planetary boundaries are crossed this information becomes particularly relevant to guide decisions and support both proactive adaptation and mitigation strategies. Developing new information addresses innovations in producing interdisciplinary climate change knowledge and overcoming issues of data quality, access and availability. This book examines effective information systems to guide decision-making for immediate and future action. Cases studies in developed and developing countries illustrate how climate change information promotes immediate and future actions across a range of sectors.

Disasters Without Borders: The International Politics of Natural Disasters

Authors: John Hannigan

Year: 2018

Publisher: Wiley

ISBN: 978-0-745-66311-1

Content: Dramatic scenes of devastation and suffering caused by disasters such as the 2011 Japanese earthquake and tsunami, are viewed with shock and horror by millions of us across the world. What we rarely see, however, are the international politics of disaster aid, mitigation and prevention that condition the collective response to natural catastrophes around the world. In this book, respected Canadian environmental sociologist John Hannigan argues that the global community of nations has failed time and again in establishing an effective and binding multilateral mechanism for coping with disasters, especially in the more vulnerable countries of the South. Written in an accessible and even-handed manner, *Disasters without Borders* it is the first comprehensive account of the key milestones, debates, controversies and research relating to the international politics of natural disasters. Tracing the historical evolution of this policy field from its humanitarian origins in WWI right up to current efforts to cast climate change as the prime global driver of disaster risk, it highlights the

ongoing mismatch between the way disaster has been conceptualised and the institutional architecture in place to manage it. The book's bold conclusion predicts the confluence of four emerging trends - politicisation/militarisation, catastrophic scenario building, privatisation of risk, and quantification, which could create a new system of disaster management wherein 'insurance logic' will replace humanitarian concern as the guiding principle. *Disasters Without Borders* is an ideal introductory text for students, lecturers and practitioners in the fields of international development studies, disaster management, politics and international affairs, and environmental geography/sociology.

The Asian Tsunami and Post-Disaster Aid

Authors: Sunita Reddy

Year: 2018

Publisher: Springer

ISBN: 978-9811301810

Content: Through the lens of the Asian tsunami, this book problematizes concepts that are normally taken for granted in disaster discourse, including relief, recovery, reconstruction and rehabilitation. The unprecedented flow of humanitarian aid after the Asian tsunami, though well-intentioned, showed adverse effects and unintended consequences in the lives of people in the communities across nations. Aid led not only to widespread relief and recovery but also to an exacerbation of old forms of inequities and the creation of new ones arising from the prioritization, distribution and management of aid. This, in turn, led to the incongruity between the needs and expectations of the affected and the agendas of aid agencies and their various intermediaries. This book examines the long-term consequences of post-disaster aid by posing the following questions: What has the aid been expended on? Where has the aid primarily been expended, and how? And what were the unintended consequences of post-disaster aid for the communities? This topical volume is of interest to social scientists, human rights and law researchers and environmental scientists interested in disaster studies.

Disaster Risk Reduction: Community Resilience and Responses

Authors: Bupinder Zutshi, Akbaruddin Ahmad, Ananda Babu Srungarapati Year: 2018

Publisher: Palgrave Macmillan

ISBN: 978-9811088445

Content: This book discusses the interconnected, complex and emerging risks in today's societies and deliberates on the various aspects of disaster risk reduction strategies especially through community resilience and responses. It consists of selected papers presented at the World Congress on Disaster Management, which focused on community resilience and responses towards disaster risk reduction based on South Asian experiences, and closely examines the

coordinated research activities involving all stakeholders, especially the communities at risk. Further, it narrates the experiences of disaster risk-reduction in different communities that have policy implications for mitigation of future disaster risks in the societies affected by these types of disasters. Written from the social science perspective to disasters rather than an engineering approach, the book helps development and governance institutions to prioritize disasters as a problem of development rather than being parallel to it.

Implementing Climate Change Adaptation in Cities and Communities: Integrating Strategies and Educational Approaches

Authors: Walter Leal Filho, Kathryn Adamson, Rachel M Dunk

Year: 2018

Publisher: Springer

ISBN: 978-3319803821

Content: This book analyzes how climate change adaptation can be implemented at the community, regional and national level. Featuring a variety of case studies, it illustrates strategies, initiatives and projects currently being implemented across the world. In addition to the challenges faced by communities, cities and regions seeking to cope with climate change phenomena like floods, droughts and other extreme events, the respective chapters cover topics such as the adaptive capacities of water management organizations, biodiversity conservation, and indigenous and climate change adaptation strategies. The book will appeal to a broad readership, from scholars to policymakers, interested in developing strategies for effectively addressing the impacts of climate change.

Loss and Damage from Climate Change: Concepts, Methods and Policy Options

Authors: Mechler R. et al.

Year: 2018

Publisher: Springer

ISBN: 978-3319720258

Content: This book provides an authoritative insight on the Loss and Damage discourse by highlighting state-of-the-art research and policy linked to this discourse and articulating its multiple concepts, principles and methods. Written by leading researchers and practitioners, it identifies practical and evidence-based policy options to inform the discourse and climate negotiations. With climate-related risks on the rise and impacts being felt around the globe has come the recognition that climate mitigation and adaptation may not be enough to manage the effects from anthropogenic climate change. This recognition led to the creation of the Warsaw International Mechanism on Loss and Damage in 2013, a climate policy mechanism dedicated to dealing with climate-related effects in highly vulnerable countries that face severe constraints and limits to adaptation. Endorsed in 2015 by the Paris Agreement and effectively considered a third pillar of international climate policy, debate and research on Loss and

Damage continues to gain enormous traction. Yet, concepts, methods and tools as well as directions for policy and implementation have remained contested and vague. Suitable for researchers, policy-advisors, practitioners and the interested public, the book furthermore: discusses the political, legal, economic and institutional dimensions of the issue, highlights normative questions central to the discourse, provides a focus on climate risks and climate risk management, presents salient case studies from around the world.

Already listed new books in previous newsletters with publication date between 2015 and 2018:

Economic Consequence Analysis of Disasters: The E-CAT Software Tool

Authors: Rose, A., Prager, F., Chen, Z., Chatterjee, S., Wei, D., Heatwole, N., Warren, E.

Year: 2017

Publisher: Springer Singapore

ISBN: 978-981-10-2566-2

Defining and Measuring Economic Resilience from a Societal, Environmental and Security Perspective

Authors: Rose, Adam

Year: 2017

Publisher: Springer Singapore

ISBN: 978-981-10-1532-8

Risk Modeling for Hazards and Disasters

Authors: Gero Michel (Editor)

Year: 2017

Publisher: Elsevier

ISBN: 0128040718

Natural Catastrophe Risk Management and Modelling: A Practitioner's Guide

Authors: Kirsten Mitchell-Wallace (Author), Matthew Jones (Author), John Hillier (Author), Matthew Foote (Author)

Year: 2017

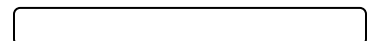
Publisher: Wiley-Blackwell

ISBN: 1118906047

Natural Hazards: Earth's Processes as Hazards, Disasters, and Catastrophes

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9. Miscellaneous

New Graduate Degree Program:

We are pleased to announce a new blended Master of Science (MSc) Disaster Management: Resilience, Response and Relief course at the Humanitarian and Conflict Response Institute (HCRI) at The University of Manchester. Offered jointly with The Hong Kong Polytechnic University, this programme is designed for participants who intend to develop theoretical and practical knowledge and skills in the disaster risk management and humanitarian contexts. Graduates will be equipped to work and become leaders in the fields of disaster management, humanitarianism, and other related fields. This programme will further enhance students' personal and professional development and provide important collaborative links globally. The application deadline for the fall semester is 29 April 2016. For more information please visit HCRI's website (<http://www.hcri.manchester.ac.uk/study-with-us/postgraduate-taught/>).

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Since 1977, IIASA's annual 3-month Young Scientists Summer Program (YSSP) offers research opportunities to talented young researchers whose interests correspond with IIASA's ongoing research on issues of global environmental, economic and social change. From June through August accepted participants work within the Institute's research programs under the guidance of IIASA scientific staff. Funding is provided through IIASA's National Member Organizations.

The program is designed for PhD students (ideally about 2 years prior to receiving their PhD) working on a field compatible with ongoing research at IIASA and a wish to explore the policy implications of their work. Participants will be working under the direct supervision of an experienced IIASA scientist in a unique interdisciplinary and international research environment. They will produce a paper (serving as first step towards a publishable journal article) and will get the opportunity to build up contacts for future collaboration within IIASA's worldwide network.



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Applicants from all countries are welcome, although IIASA gives priority to citizens or residents of NMO countries. Participation in the YSSP is only possible for one summer (however, you may apply several times).

Website:

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Website: <http://www.colorado.edu/hazards/dr/currentdr.html>
- **Emergency Manager's Weekly Report:**
Website:
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- **KatNet-Newsletter:** (mostly in German language)
Website: <http://www.katastrophennetz.de/>
- **EM-DAT: International Disaster Database Newsletter (CRED)**
Website: <http://www.emdat.be/publications>
- **DSCRN: Disaster and Social Crisis Research Network Newsletter**
Website: <http://www.dscrn.org/cms/index.php?page=newsletter>
- **International Institute for Sustainable Development Newsletter: IISD Reporting Services.**
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