



GADRI ACTIONS

November 2017
Volume 5— Number 1



Contents

As the hot and humid summer started to simmer down to bring in the cool breeze while the trees burst into such vibrant red, yellow and orange, GADRI activities were at a height with five major activities scheduled, back-to-back for November 2017.

GADRI launched the GADRI Book Series proposing ten books and a few other books in the pipeline, out of which three books are to be published by March 2019 and the others by March 2022.

The Ninth session of the GADRI Board of Directors was held on 22 November 2017 at the Kyoto Office in Nihombashi, Tokyo.

Prof. Toshio Koike's team at the International Centre for Water Hazard and Risk Management (ICHARM), organized in collaboration with UNISDR, the Science Council of Japan (SCJ), Cabinet Office of Japan, the Global Forum on Science and Technology Disaster Resilience at SCJ in Tokyo from 23 to 25 November 2017. GADRI and the members of the Board of Directors actively participated in the forum.

UNISDR office organized an informal Discussion on Science and Technology Partnerships for the Implementation of the Sendai Framework on the evening of 22 November 2017. As GADRI is a member of the Science and Technological Advisory Group (STAG) of UNISDR, the Secretary-General and the Chair of the Board attended the meeting.

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The World Bosai Forum 2017 was held at the International Conference Center in Tohoku, Japan from 25 to 28 November 2017. GADRI held an information booth and conducted a session on Vision and Future of GADRI.

This issue will provide information on the above activities. We hope you will find the information useful.

Prof. Hirokazu Tatano and Wilma James

Pictures on the cover page were taken by the members of the Disaster Prevention Research Institute (DPRI), Kyoto University, Uji Campus, Public Relations Office at the GADRI Book Series Kick-off Meeting in Tokyo on 21 November 2017; and the World Bosai Forum 2017 held at the International Conference Hall, Tohoku, Japan from 25 to 28 November 2017.

Launch of GADRI Book Series: World Status of Disaster Research

First Meeting
World Status of Disaster Research
21 NOVEMBER 2017



Kyoto Acadia Forum, Shin-Marunouchi Building – 10F
Tokyo Station, Tokyo, Japan

GADRI Book Series: World Status of Disaster Research

21 November 2017



GADRI Book Series meeting, Tokyo, Japan, 21 November 2017

GADRI Book Series: World Status of Disaster Research



The first meeting of the GADRI Book Series was held at the Shin-Marunouchi Building-10F, Tokyo, Japan on 21 November 2017. The meeting was attended by 29 participants to discuss publication of a series of books under GADRI through publisher *Springer Japan*.

After a brief introduction of the GADRI Book Series by Prof. Hirokazu Tatano, Secretary General, GADRI; and Professor, Disaster Prevention Research Institute (DPRI), Kyoto University, the tasks to be accomplished during the

meeting were discussed. The GADRI book series will provide visions and knowledge to connect to the current status of science and technology with future directions for disaster research to contribute to disaster resilient communities.

A few of the tasks covered during the meeting were:

- Themes and research areas/disciplines
- Author and member confirmation
- Chapter comparisons/duplications
- Selection of additional disciplines
- Inviting GADRI Member Institutes
- Time-line for contributions and publication



The session was concluded with group discussions and presentations.

Background

The Global Alliance of Disaster Research Institutes (GADRI) organized the 3rd Global Summit for Research Institutes for Disaster Risk Reduction: Expanding the Platform for Bridging Science and Policy Making which took place at the Disaster Prevention Research Institutes (DPRI), Kyoto University, Uji Campus, Kyoto, Japan from 19 to 21 March 2017, with the objective to provide a platform to scientific communities from different disciplines, backgrounds and countries to share their own knowledge, findings and views with each other to reach a comprehensive and an applicable knowledge ensuring effective disaster risk management. The conference was attended by over 250 participants from 38 states which represented 102 institutions.

One of the outcomes of the Group Discussion sessions during the 3rd Global Summit was the endorsement to publish a series of books under GADRI as GADRI's contribution to share research knowledge on world disasters for effective commitments and implementation to support the Sendai Framework for Disaster Risk Reduction 2015-2030. The book series will share evidence-based research outcomes and broadly capture current research practices, priorities and look at research gaps and future needs in disaster risk reduction and management.

GADRI Book Series: World Status of Disaster Research

Participants grouped to discuss and finalize book proposals for publication through GADRI Book Series as follows:

1. Atmospheric and Hydrometeorology Related

Prof. Kaoru Takara, Prof. Wei-Sen Li and Dr. Sameh Kantoush took the lead on this initiative. The initial two book proposals – Hydrometeorology Related and Meteorology and Wind Related were combined and a new book proposal for Atmospheric and Hydrometeorology Related was discussed. The proposal was presented during the group presentation session by Dr. Kantoush.

2. Earthquake and Tsunami Related

Prof. Jim Mori, Prof. Shinichi Matsushima, and Dr. Amarnath Kasalanati (representing Prof. Khalid Mosalam, PEER) lead this book proposal. There have been many developments in earthquake and



tsunami risk assessment and engineering in the last decade. New simulation methods have been developed and significant amount of data has been collected from experiments. Paradigm shifts, such as performance-based earthquake and tsunami engineering, have been realized in the design methodologies and corresponding guidelines and codes. This book is a compendium of such developments from an international perspective. Results of the discussion with completed list of chapters were presented by Dr. Kasalanati.

3. Volcanic Disasters

Lead by Prof. Masato Iguchi, this book proposal was completed with chapters and authors.

4. Landslides and Surface Processes Related

Prof. Masahiro Chigira, and Dr. Yuki Matsushi took the initiative to finalize the book proposal. Dr. Matsushi presented completed proposal including chapters and authors.

5. Proposals for – Proposals for – Social and Human Aspects of Understanding Risks (Prof. Andrew Collins, Prof. Lori Peek, Dr. Masamitsu Onishi, and Dr. Subhajyoti Samaddar); Enhancing Governance to Manage Disaster Risks (Dr. Masamitsu Onishi, Prof. Yuichi Ono, Dr. Tom De Goeve); and Disaster Recovery and Build-Back-Better (Prof. Norio Maki, Dr. Subhajyoti Samaddar, and Dr. Ram Sateesh Pasupuleti)

The proposals for the above-mentioned three books were reviewed by Prof. Andrew Collins, Prof. Lori Peek, Dr. Subhajyoti Samaddar and Dr. Masamitsu Onishi. After the group discussion, they presented the current status, objectives with state-of-the-art research integrated in disaster risk management in various fields and the proposed table of contents for each book with possible authors.



GADRI Book Series: World Status of Disaster Research



6. Disaster Risk Reduction for Resilience

Prof. Charles Scawthorn, Dr. Stefan Hochrainer-Stigler, and Dr. Muneta Yokomatsu are the leading editors for this book. Prof. Scawthorn presented the current status and proposed contents for the book. He informed that the group is planning to contact GADRI member institutions to contribute chapters to the book.

7. Health Related Issues in Disaster Risk Management

Prof. Virginia Murray, Dr. Sachiko Nakamura and Dr. Sakiko Kanbara took the lead for this book. Prof. Murray presented the purpose, and objective of the book where emphasis is placed on population vulnerability at all levels including those of vulnerable, marginalized, indigenous and migrants and on building resilient health systems through integration of all-hazards disaster risk management within health care and wellbeing. The group discussion was carried out by Dr. Nakamura and Dr. Kanbara after which they shared the book structure, contents and the expected audience for the book.

8. Compound and Technological Disasters Related

Prof. Ana Maria Cruz and Dr. Elisabeth Krausmann (EC-JRC) are the lead editors of the book. The aim of this book is to develop a handbook for practitioners as well as researchers on the risk management and risk reduction of technological disasters including chemical, joint natural and technological (Natech), hazardous materials transportation, disruption of critical infrastructure, nuclear, and terrorism threats involving chemical, biological, radiological and nuclear (CBRN) materials. They presented the objective and structure of the book.



GADRI Book Series: World Status of Disaster Research

Broad Purpose:

The book series is expected to serve multi-purposes. GADRI Book Series is specifically aimed at but not limited to researchers working in disaster risk reduction areas, but also towards policy makers, science and technology community in DRR, upcoming generations, and a tool/manual/reference for institutions involved in capacity development activities in DRR.

GADRI Book Series could include papers on research perspectives, methodologies and case-studies encompassing research reviews on current status of research and the need for future studies in disaster risk reduction. Further it will provide visions and knowledge to connect to the current status of science and technology with future directions for disaster research to contribute for disaster resilient communities.

The focus of the books will be on –

Deepening the understanding of risks from the perspectives of different disaster research domains.

Managing and planning disaster risk reduction.

Streamline the proposed books along the objectives set out by GADRI

Coherence of themes in accordance and in line with the Four Priority Areas of the Sendai Framework for Action

- Priority 1: Understanding disaster risk
- Priority 2: Strengthening disaster risk governance to manage disaster risk
- Priority 3: Investing in disaster risk reduction for resilience
- Priority 4: Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction

Focus on areas of global interest and leverage cutting-edge expertise by sharing scientific knowledge and evidence-based experiences on lessons-learned, and explore mechanisms for disaster resilience and prevention.



GADRI Book Series: World Status of Disaster Research

Structure:

Each publication under GADRI Book Series will use a common prologue/introduction to GADRI and the GADRI Book Series.

In addition to the proposed chapters, each book will contain a page of policy briefs/policy implications with information, key learning points, evidence-based results with key messages and recommendations to policy makers.

At a latter stage, the policy briefs from all books will be collected and compiled in to a book and will be published as “Guidelines for Policy Makers”.

Language:

The primary language will be English. The abstracts, if necessary, could be in multi-languages.

Once published and depending on requirements, the books could be translated in to all 6 official languages of the UN and Japanese.

Target Audience:

In addition to the academicians, practitioners, the books should target the general public

A few suggestions are given below:

- General public
- policy makers
- academicians, researchers working in disaster risk reduction
- policy brief guide to experts in disaster risk reduction in national and global levels, and policy-makers.
- science and technology community in DRR

- upcoming generations, and communities in vulnerable populations
- Tool/manual/reference for institutions involved in capacity development activities in DRR

Timeline:

The first phase of the GADRI Book Series is for a period of five years. Depending on the progress and interest, the project could be expanded and extended for a further duration. The book project is expected to be publish an 8 to 12 volumes.

The broad timelines set are:

- to publish at least 2 to 3 books by the 4th Global Summit of Research Institutes for Disaster Risk Reduction scheduled for March 2019.
- to present these books at the Progress□Reporting meeting of the Sendai Framework scheduled for 2020.
- to conduct at least an annual meeting to discuss progress and current important research areas.

Guidelines:

- GADRI Books Series will be published through *Springer*.
- Editors will use the *Springer* “Manuscript Guidelines” - <http://resource-cms.springer.com/springer-cms/rest/v1/content/990/data/v9/Manuscript+guidelines+for+English+books>

GADRI Book Series: World Status of Disaster Research

Proposed List of Books at the First Meeting of the GADRI Book Series:

1 Deepening the Understanding of Risks –	
I. Atmospheric & Hydro-meteorological Related Disasters	
Title: Deepening the Understanding of Risks: Atmospheric and Hydro-meteorological Disasters	
Proposed editors: Wei-Sen Li, Kaoru Takara, Tetsuya Sumi, Hirohiko Ishikawa, Tetsuya Takemi, Srikantha Herath, Sameh Kantoush, Kazuyoshi Nishijima, and Kenji Kawaike Coordinating editor: Tetsuya Takemi, and Sameh Kantoush	
II Earthquake and Tsunami Related	
Title: Recent Advances in Earthquake and Tsunami Related Hazard Mitigation, Risk Assessment and Engineering	
Proposed editors: Khalid Mosalam, Kelvin Berryman, Jim Mori, Yoshiki Ikeda, Shinichi Matsushima, Amarnath Kasalanati Coordinating editor: Jim Mori	
III Volcano Disasters Related	
Title: Volcanic Disasters – Understanding Risks of Volcanic Eruptions	
Proposed editors: Masato Iguchi, USGS, Masamitsu Onishi, Onodera, Fujita, Bristol University, Iceland University Coordinating editor: Masato Iguchi	
IV Landslides and Surface Processes Related	
Title:	
Proposed editors: Masahiro Chigira, Yuki Matsushi Coordinating editor: Yuki Matsushi	
V Social and Human Aspects of Understanding Risk	
Proposed editors: Andrew Collins, Lori Peek, Masamitsu Onishi, and Subhajyoti Samaddar Coordinating editor: Subhajyoti Samaddar	

2 Managing and Planning Disaster Risk Reduction (DRR)

VI Enhancing Governance to Manage Disaster Risks

Title: Enhancing Risk Governance to Manage Disaster Risks

Proposed editors: Tom De Groeve, Masamitsu Onishi, Michile Wood, Norio Okada, Lori Peek
Coordinating editor: Masamitsu Onishi

VII Disaster Risk Reduction for Resilience

Proposed editors: Charles Scawthorn, Stefan Hochrainer-Stigler, and Muneta Yokomatsu
Coordinating editor: Muneta Yokomatsu

VIII Disaster Recovery and Build-Back-Better

Title: Disaster Recovery and Build-Back-Better

Proposed editors: Norio Maki, Ram Sateesh Pasupuleti, and Subhajyoti Samaddar
Coordinating editor: Subhajyoti Samaddar

X. Health Related Issues in Disaster Risk Management

Title: Health and Disaster Risk and Management

Proposed Editors: Virginia Murray, Sachiko Nakamura, Sakiko Kanbara
Coordinating editor: Virginia Murray

XII. Technological Risks

Title: Technological Risks

Proposed editors: Ana Maria Cruz, and Elisabeth Krausmann

IX. Transdisciplinary/Multidisciplinary Approaches to Disaster Risk Management (to be changed/edited)

Proposed editors: Srikantha Herath (INATE), Tom de Groeve (EU-JRC), Irasema Alcántara (UNAM), and Johanna Diwa (PEMSEA)
Coordinating editor: Irasema Alcántara

XI. Interdisciplinary Methods of Disaster Research

Proposed Editors: Lori Peek and others
Coordinating editor: Lori Peek

GADRI Session at the World Bosai Forum 2017



DAVOS ◀ SENDAI

WORLD BOSAI FORUM

“About the World Bosai Forum

The Sendai Framework, a global framework for disaster risk reduction, was adopted as the outcome document of the Third United Nations World Conference on Disaster Risk Reduction. Japan has been a leading country in the field of disaster risk reduction, and it has also received warm support around the world at the time of the Great East Japan Earthquake in 2011. As the host country for the Third United Nations World Conference on Disaster Risk Reduction held in 2015, Japan is not only required to promote domestic measures of disaster risk reduction but also is expected to take the lead in the Sendai Framework, deepening international cooperation.

As a part of our commitments, we will start holding the “World Bosai Forum/ International Disaster Risk Conference” from this year in Sendai City every two years, in partnership with the International Disaster and Risk Conference (IDRC) in Davos, Switzerland. Officials and experts from domestic and overseas industries, governments, academia and private sectors as well as local citizens will gather at the Forum, and findings and lessons from the Great East Japan Earthquake will be shared with the world. The World Bosai Forum also aims to create practical solutions for disaster risk reduction, instilling the term “Bosai” that encompasses a comprehensive concept from disaster risk reduction to reconstruction and recovery, and share it with the world. We hope that hosting this Forum regularly will make Sendai/Tohoku a place that is leading the world in Bosai and will also contribute to building back Tohoku disaster areas better.



The First World Bosai Forum is scheduled to be held from November 25th to 28th, 2017, mainly at the Sendai International Center. The forum will be composed of meetings for experts and multi-stakeholders in the field of disaster risk reduction, and also events open to the public. The IDRC is a renowned conference where many disaster risk reduction specialists especially from Europe and the US gather.”

For further details:

<http://www.worldbosaiforum.com/english/overview/>

GADRI Session at the World Bosai Forum 2017

GADRI session at the World Bosai Forum IDRC in Sendai, Japan, comprised of panelists from GADRI member institutions and representatives from partner networks, i.e., United Kingdom Alliance for Disaster Research (UKADR), North American Alliance of Disaster Research Institutes (NAADRI), and the African Alliance of Disaster Research Institutes (AADRI) who highlighted key contributions of GADRI activities to the world and provided their visions and

future missions for the respective alliances. Later the panelists opened the floor for discussion with the participants to receive their inputs to improve GADRI activities in most needed areas of disaster research reduction.



Panelists	Title of Presentation
Hirokazu Tatano Secretary-General, Global Alliance of Disaster Research Institutes (GADRI); and DPRI, Kyoto University	Introduction to Global Alliance of Disaster Research Institutes (GADRI)
Prof. Andrew Collins Chair, GADRI Board of Directors; and Leader, Disaster and Development Network (DDN), Northumbria University, UK	GADRI and the UK Alliance for Disaster Research (UKADR)
Prof. Charles Scawthorn Pacific Earthquake Engineering Research Center (PEER), University of California, Berkeley, USA	Introduction to the North American Alliance of Disaster Research Institutes (NAADRI)
Prof. Desmond Manatsa Bindura University of Science Education, Zimbabwe	The African Alliance of Disaster Research Institutes (AADRI)
Dr. Elizabeth Krausmann European Commission Joint Research Centre (JRC), Italy	GADRI and the European Commission, Joint Research Centre (JRC)
Prof. Ana Maria Cruz GADRI, Disaster Prevention Research Institute (DPRI), Kyoto University, Japan	GADRI Projects
Dr. Subhajyoti Samaddar GADRI, Disaster Prevention Research Institute (DPRI), Kyoto University, Japan	GADRI Book Series

GADRI Contributions to the Global Forum on Science and Technology for Disaster Resilience



Photo by Science Council of Japan

About the Global Forum on Science and Technology for Disaster Resilience

The Global Forum on Science and Technology for Disaster Resilience was held at the Science Council of Japan, Cabinet Office of Japan in Tokyo from 23 to 25 November 2017.

“The objectives of the Forum was to pursue steady implementation of the four priorities for action of the Sendai Framework, the Forum aim to promote all stakeholders to develop plans for the following two outputs through working together in interdisciplinary and transdisciplinary way:

- Guidelines for Strengthening DRR National Platforms and coordination mechanisms through enhanced contribution of Science and Technology
- Periodic Synthesis Reports on the state of Science and Technology for Reducing Disaster Risk”

The Forum was organized in collaboration with the United Nations Office for Disaster Risk Reduction (UNISDR), International Council for Science (ICSU), and the Science Council of Japan (SCJ), Cabinet Office of Japan.

The Secretary-General and the members of the Board of Directors of GADRI attended the Forum. GADRI contribution is recognized in forming one of the major outcomes of the Forum the “Tokyo Statement 2017”.

The Concept Note for the Global forum on Science and Technology for Disaster Resilience can be found at the link below:

<http://wci.t.u-tokyo.ac.jp/ResilienceForum2017/introduction.html>

Tokyo Statement 2017 and other related documents:

<http://wci.t.u-tokyo.ac.jp/ResilienceForum2017/presentations.html>



The United Nations Office for Disaster Risk Reduction

UNISDR

Participation at the Science and Technology Advisory Group (STAG), UNISDR

The Secretary-General, Prof. Hirokazu Tatano and Prof. Andrew Collins, Chair of the Board of Directors of GADRI attended an informal discussion session on Science and Technology Partnerships for the Implementation of the Sendai Framework held on 22 November 2017 from 17:00 hours onwards at the NS Toramon Building, Tokyo, Japan. The meeting was hosted by the SRSG of UNISDR. The informal consultation meeting was to “discuss the new UNISDR Partnership Strategy and the next steps for the global Science and Technology Advisory Group, including its linkages with regional Science and Technology Advisory Groups”.

The first formal session of the Science and Technology Advisory Group (STAG) took place in Geneva, Switzerland from 11 to 15 December 2017. GADRI is a member of the STAG 21 members representing institutions and organizations, geographic regions, types of hazards, DRR disciplines, and stakeholders.



Meeting of GADRI Board of Directors

The Ninth meeting of the GADRI Board of Directors was held at the Nihombashi Office of the Kyoto University, Nihombashi Life Science Building, Tokyo on 22 November 2017.

GADRI Secretariat reported on the progress of GADRI Book Series and a few selected papers to be published under the Proceedings of the 3rd Global Summit of Research Institutes for Disaster Risk Reduction by Springer Japan; and GADRI Prospectus. Also under reported items were GADRI involvement with the Science and Technology Advisory Group (STAG) of UNISDR and increasing number of GADRI memberships. The occasion was also used to confirm the plans for the 4th Global Summit of Research Institutes for Disaster Risk Reduction to be held at the Disaster Prevention Research Institute (DPRI), Kyoto University, Uji Campus, Kyoto, Japan from 12 to 16 March 2019.



Meeting of the GADRI Board of Directors

Members of GADRI Board of Directors



Stefan Hochrainer-Stigler,
International Institute for Applied
Systems Analysis (IIASA)

Stefan Hochrainer-Stigler is a Senior Research Scholar with the Risk and Resilience (RISK) program at International Institute for Applied Systems Analysis (IIASA), and the leader of the Risk Analysis and Modeling group. A member of the Board of Directors of the Integrated Disaster Risk Management (IDRIM) Society and the Board of Directors for the Global Alliance of Disaster Research Institutes (GADRI). Stefan is also a lecturer at the University of Vienna, the Karlsruhe Institute of Technology and the UME (Understanding and Managing Extremes) Graduate School at the Institute for Advanced Study in Pavia.



Tom De Groot, European
Commission, Joint Research Centre
(JRC)

Tom's research career covered risk management, disaster monitoring and emergency management systems using geospatial technology. He initiated the Global Disaster Alert and Coordination System (GDACS), the Index for Risk Management (INFORM) and the Global Flood Partnership. Tom has been working on bringing science into policy, including for the UN Sendai Framework for Disaster Risk Reduction and EU crisis management, humanitarian aid, climate change and disaster risk policy. Tom currently is deputy Head of the Disaster Risk Management Unit and leading a wider research portfolio.



Hirokazu Tatano, Disaster Prevention
Research Institute (DPRI), Kyoto
University

In addition to the responsibilities as professor, Disaster Prevention Research Institute, Kyoto University, Japan, Hirokazu Tatano serves as Vice-President of International Society of Integrated Disaster Risk Management (IDRIM Society) since 2010, and the Secretary-General of Global Alliance of Disaster Research Institutes (GADRI), since 2015. He has done pioneering research on economic consequence analysis with major focus on economic resilience to natural disasters at the levels of individual business, market, and regional economy. He also focuses on methodologies for integrated disaster risk management and governance. He aspires to contribute to establishing "implementation science" as a key area of science for disaster risk reduction.



Koji Suzuki, National Research
Institute for Earth Science and
Disaster Resilience (NIED)

Koji Suzuki is Executive Director of the National Research Institute for Earth Science and Disaster Resilience, Japan. He joined the Ministry of Land, Infrastructure, Transport and Tourism as Counsellor for the Global Strategies, and was Director for Navigation Safety, Japan Coast Guard. He was the Executive Director, Asian Disaster Reduction Center in Kobe. He was a member of the Result Management Council, Global Facility for Disaster Reduction and Recovery (GFDRR), The World Bank, and Disaster Risk Reduction Expert in Indonesia and Sri Lanka for JICA.



Fumihiko Imamura, International
Research Institute of Disaster Science
(IRIDeS), Tohoku University

Fumihiko Imamura is Director of the International Research Institute of Disaster Science (IRIDeS) at Tohoku University in Japan. He received a doctoral degree in Engineering and became a Professor of Tohoku University in 2000. He specializes in tsunami modeling, mitigation planning and education/awareness, disaster prevention and evacuation systems. He has been conducting field surveys on earthquake and tsunami damage since the 1992 Nicaragua and Flores Island Tsunamis. He is also the Secretary of the Tsunami Inundation Modeling Exchange (TIME) Project supported by the Intergovernmental Oceanographic Committee (IOC), and the International Union of Geodesy and Geophysics (IUGG) in its Tsunami Commission.



Kelvin Berryman, Institute of
Geological and Nuclear Sciences
Limited, GNS Science

General Manager of Natural Hazards Strategic Relationships at Institute of Geological and Nuclear Sciences Limited. Kelvin was one of the Principal Spokespersons during the Canterbury earthquake sequence. He managed the research platform that integrates New Zealand's government-funded research in natural hazards. He serves as NZ Representative on the Governing Board of the GEM (global earthquake model) Foundation. His research and applied science was undertaken throughout New Zealand and extensively around the Pacific. In 2012, he received a Queens Service Order for services to science and Canterbury earthquake recovery. Kelvin has been a Geologist at GNS Science since November 1974.

Members of GADRI Board of Directors



Irasema Alcántara-Ayala, Institute of Geography, National Autonomous University of Mexico (UNAM)

Irasema Alcántara-Ayala is a former Director and current Professor and Researcher of the Institute of Geography at the National Autonomous University of Mexico (UNAM). She got a degree in Geography from UNAM, a Ph.D. degree in Geography/Geomorphology from King's College London, University of London, and carried out a post-doc stay at the Massachusetts Institute of Technology, Boston. Her research interest is concentrated on landslides, vulnerability and integrated disaster risk.



Andrew Collins, Disaster and Development Network (DDN), Northumbria University

Andrew Collins is Professor in Disaster and Development, Department of Geography. Beyond research, local teaching and management responsibilities, he represents disaster, development and health related initiatives internationally. He led the establishment of the world's first disaster management and sustainable development postgraduate programme launched in 2000, and Disaster and Development Network (DDN) launched 2004. Prior to academic appointments, Andrew also worked internationally including through three years voluntary support to communities in wartime Mozambique.



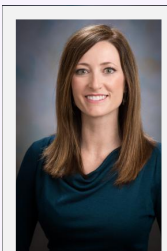
Khalid Mosalam, Pacific Earthquake Engineering Research Center (PEER), University of California, Berkeley

Mosalam joined UC-Berkeley where he is the Taisei Professor of Civil Engineering and Director of the PEER Center. He conducts research on performance and monitoring of structures, assessment and rehabilitation of essential facilities, and building energy efficiency and sustainability, involving large-scale computations and experiments including hybrid simulation. He is the recipient of 2006 ASCE Huber Prize, 2013 Chancellor award for Public Services, and 2016 EERI outstanding paper award. He is a High-end Expert in Tongji and PI of Tsinghua-Berkeley-Shenzhen Institute.



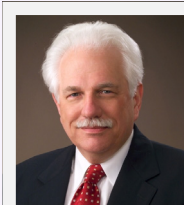
Wei-Sen Li, National Science and Technology Center for Disaster Reduction (NCDR)

Wei-Sen Li currently is Secretary-General of National Science and Technology Center for Disaster Reduction (NCDR) and is responsible for international collaboration on disaster risk reduction. Since 2009, he has been serving as a committee member of the Committee of Natural Disaster Reduction of the Chinese Institute of Civil and Hydraulic Engineering. He was the Co-Chair of the Emergency Preparedness Working Group (EPWG) during 2012-2015 under the Asia-Pacific Economic Cooperation (APEC).



Lori Peek, Natural Hazards Center, University of Colorado-Boulder

Lori Peek is director of the Natural Hazards Center and professor of Sociology at the University of Colorado-Boulder. She has published widely on the social aspects of disaster and is author of *Behind the Backlash: Muslim Americans after 9/11*, co-editor of *Displaced: Life in the Katrina Diaspora*, and co-author of *Children of Katrina*. She is past chair of the American Sociological Association Section on Environment and Technology and is currently president of the Research Committee on Disasters for the International Sociological Association.



Charles Scawthorn, Univ. California at Berkeley and Principal of SPA Risk LLC

From 1998 to 2003 he led technical development of the US national Flood Loss Estimation Model (HAZUS) for FEMA, and is widely recognized for the development of methods for rapid risk analysis of buildings (FEMA 154), seismic vulnerability assessment of US national infrastructure (FEMA 224), stochastic models of fires following earthquakes, models for optimizing urban land use with respect to natural hazards risk, general loss estimation models for earthquake, wind and flood, and seismically reinforcing low-strength masonry buildings. He is the author or co-editor of a number of books and technical papers on earthquake engineering, fire following earthquake, catastrophe risk and human casualties.

Visits by GADRI Member Institutes

Visit by The Director-General of European Commission Joint Research Centre (JRC)



From left: Prof. Tomoharu Hori, Dr. Liliana Pasecinic, Mr. Vladimir Sucha, Prof. Hajime Nakagawa, and Prof. Hirokazu Tatano

The Director-General of European Commission Joint Research Centre (JRC) Mr. Vladimir Sucha and Dr. Liliana Pasecinic, Deputy Head of Unit, visited the Kyoto University, Uji Campus Disaster Prevention Research Institute (DPRI) during their visit to attend the Science and Technology in Society Forum (STS Forum) held in Kyoto. They received a warm welcome by Prof. Hirokazu Tatano, Secretary-General, Global Alliance of Disaster Research Institutes (GADRI) and Professor, DPRI. After a brief tour of DPRI research facilities, they met with Prof. Hajime Nakagawa, Director, DPRI, Prof. Tomoharu Hori, Deputy Director, and Prof. Tatano for a fruitful discussion on future research collaborations.

JRC is an active member of GADRI and a member of the GADRI Board of Directors.

Visit by University College London

Prof. Peter Sammonds, Director, Institute for Risk and Disaster Reduction (IRDR), University College London paid a courtesy visit to the Kyoto University Uji Campus Disaster Prevention Research Institute (DPRI) on 2 October 2017. Prof. Sammonds was greeted by Prof. Hajime Nakagawa, Director, DPRI, and Prof. Norio Maki, Vice-Director, DPRI.



Prof. Peter Sammonds (left), Prof. Norio Maki (center), Prof. Hajime Nakagawa (right)



Prof. Norio Maki, Prof. Peter Sammonds, Prof. Hirokazu Tatano

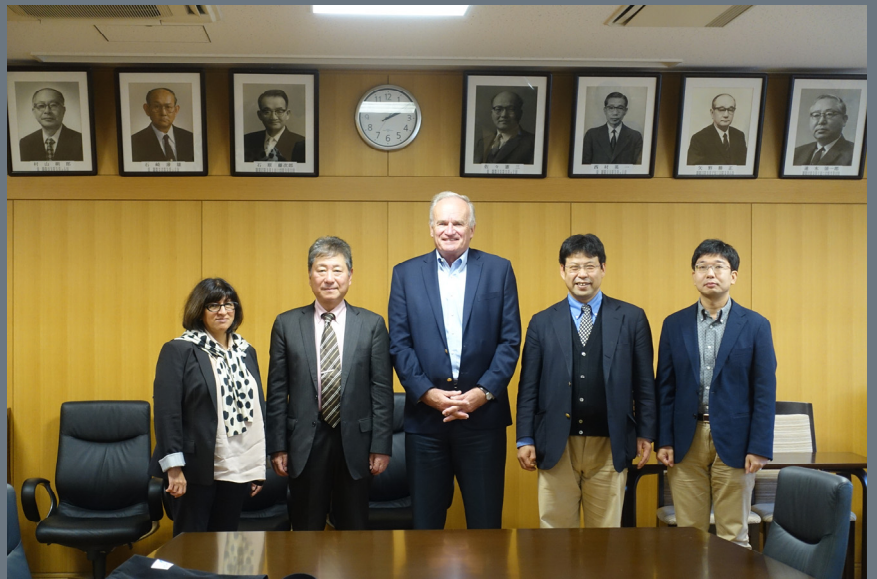
In the afternoon, Prof. Sammonds met with Prof. Hirokazu Tatano, Secretary-General, Global Alliance of Disaster Research Institutes (GADRI); and Professor, DPRI, Kyoto University; and Prof. Norio Maki. Prof. Tatano presented Prof. Sammonds the GADRI Membership certificate for the University College London Institute for Risk and Disaster Reduction.

Visit and Lecture by GADRI Member Institutes

During Prof. Detlof von Winterfeldt's visit to Japan, he visited the Disaster Prevention Research Institute (DPRI), and the Global Alliance of Disaster Research Institutes (DPRI), Kyoto University, Uji Campus on 1 November 2017 to deepen relationships between the three entities - DPRI, GADRI and CREATE.

Prof. Von Winterfeldt met with Prof. Tomohau Hori, Vice-Director, DPRI, Kyoto University, Prof. Hirokazu Tatano, Secretary-General, GADRI, Prof. Ana Maria Cruz, and Dr. Masamitsu Onishi for a brief discussion.

During this occasion, he offered to give a special lecture on decision science, especially in the field of multi-criteria decision making and terrorism issues.



Prof. Ana Maria Cruz, Prof. Tomohau Hori, Prof. Von Winterfeldt, Prof. Hirokazu Tatano, and Dr. Masamitsu Onishi

of surface to missile attacks on commercial airplanes. The general conclusions of 14 years of research were summarized and an answer was given to the question: Are we safer today than before 9/11?



Prof. Detlof von Winterfeldt is professor of Systems Engineering at the University of Southern California, and the co-founder and director of the National Center for Risk and Economic Analysis of Terrorism Events (CREATE) which is the first university-based center of excellence funded by the US Department of Homeland Security.

The presentation on "Decision and Risk Analysis to Improve Homeland Security" discussed the origins and research activities of the U.S. National Center for Risk and Economic Analysis of Terrorism Events (CREATE) and then focused on the use of decision and risk analysis with three examples: Bioterrorism risk analysis, behavioral and economic studies of the consequences of the 9/11 attacks on the world trade center, and managing the risks



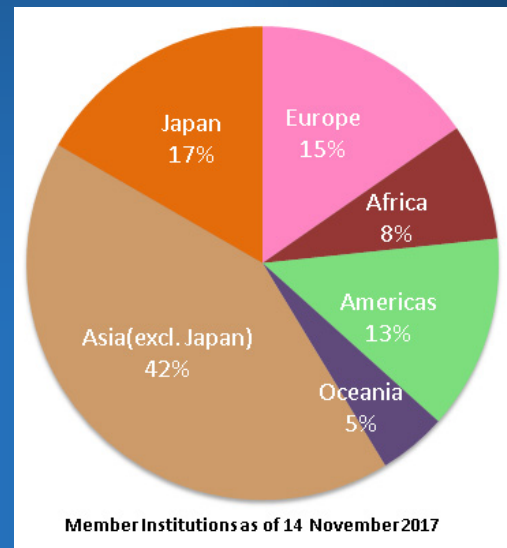
Global Alliance of Disaster Research Institutes (GADRI)

At the recommendation of the Second Global Summit of Research Institutes held at the Kyoto University Disaster Prevention Research Institute, Kyoto, Japan, in March 2015, the Global Alliance of Disaster Research Institutes (GADRI) was established to support the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030 (SFDRR) and the work of the Scientific and Technical Advisory Group of the United Nations Office for Disaster Risk Reduction (UNISDR). One of the recommendations was to form a research roadmap for the next decade.

To further realize these goals, GADRI join hands with research institutes around the world. Since March 2015, GADRI's membership has expanded to nearly 100 member institutions around the globe.

GADRI Secretariat is currently hosted by the Disaster Prevention Research Institute (DPRI), Kyoto University, Uji Campus, Kyoto, Japan.

Area	Members (Incl. Intention to join)
Europe	23
Africa	12
Americas	20
Oceania	7
Asia (excl. Japan)	63
Japan	25
TOTAL	150 (40 States)



To Join GADRI:

Contact GADRI Secretariat - secretariat-gadri@dpri.kyoto-u.ac.jp. Membership is free; and completely voluntary and non-binding.



GADRI
Global Alliance of
Disaster Research Institutes

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