



GADRI ACTIONS

Winter 2020

Volume 13— Number 1



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A Happy Christmas and a Happy New Year to you all!

We hope you are staying safe and keeping well.

I would like to start by thanking you for your continued support and contributions to the activities of GADRI and working together in our mutual cause to reduce disaster risk reduction and management. A special thank you is to our members of the GADRI Board of Directors and the Advisory Board. They have tirelessly contributed to GADRI activities and attended the meetings throughout the year.

This year has been exceptionally challenging for all of us. But we have been resilient and steadfast in our research as well as in personal lives too. We have also seen where the research gaps are and where we need to focus more and strengthen our research. We have used the occasion to gather data which will prepare us for future disasters.

Despite the lockdowns and adapting to the new normal, with your help, GADRI continue to move forward.

1. Held the 3rd Open Discussion Forum of GADRI in February 2020. Just before the pandemic.
2. In-person meeting of the GADRI Board of Directors and the Advisory Board in February 2020.
3. GADRI initiative to write a letter to the editor on the Corona Virus.
4. Publication of the first book by Prof. Muneta Yokomatsu and Dr. Stefan Hochrainer-Stigler on Disaster Risk Reduction and Resilience under the Disaster Risk and Research: GADRI Book Series through Springer Japan - <https://www.springer.com/gp/book/9789811543197>
5. Published the GADRI Newsletter - <https://gadri.net/resources/publications/>
6. Published the 2019 Annual Report of GADRI - <https://gadri.net/resources/publications/>
6. The long-awaited Proceedings of the 3rd Global Summit will be out in January 2020
7. Held once a month online meeting of the GADRI Board of Directors and the Advisory Board
8. Preparing to hold the 5th Global Summit of GADRI: Engaging Sciences with Action virtually from 31st August to 1st September 2021.

In addition, there were other committee meetings held in-person and via zoom with the faculty members at the Disaster Prevention Research Institute (DPRI), Kyoto University.

We are hoping that we will continue our efforts to expand our activities and explore new paths to promote disaster risk reduction around the world.

We wish you all a very Happy Christmas and a Happy New Year! Do stay safe and take care of yourselves.

With best wishes,

Hirokazu Tatano, and all at the GADRI Secretariat

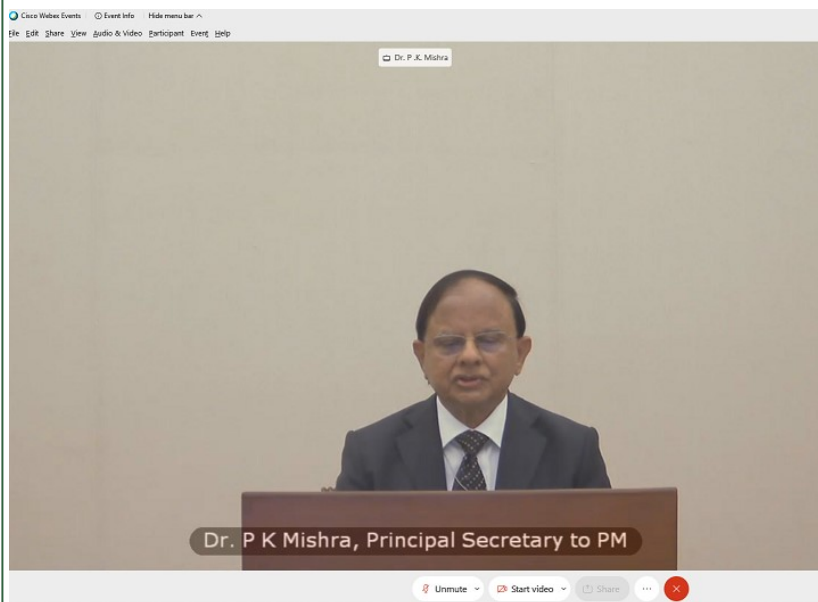
Photos used on the cover page are taken from the free photos from Pixabay.

GADRI Actions is designed, formatted and edited by Hirokazu Tatano and Wilma James.

First JKML of the Professor Jai Krishna Memorial Lecture (JKML) Series, 6 November 2020

Organised by CoEDMM , IIT, Roorkee, India

By: Dr. Sudip Roy, IIT, Roorkee, India



Professor Jai Krishna was an eminent civil engineer from India with specialisation in earthquake engineering. He served University of Roorkee for many years and rose to become its Vice Chancellor. From the very early stage in his career, Dr Jai Krishna, worked for the betterment of engineering in terms of education and R&D, quality of academics, professional status, and, opening up new vistas to serve the needs of national development. He served as a UNESCO Expert for a year in 1967-68, advising on establishment of an Institute for Earthquake Engineering in Yugoslavia. In 2008, he was voted (posthumously) as one of the twelve legends of Earthquake engineering at the 14th World Conference in Earthquake engineering held at Beijing. Over his long career he won many prizes and awards from national and international organizations. Some of the notable awards were the Thomason Prize, Cautley Gold Medal, the Calcott Reilly Memorial Gold Medal, the S S Bhatnagar Award of CSIR (1966), the National Design Award (1971) of the Indian Institution of Engineers, the Moudgil Award of the Indian Standards Institution

(1972), the International Award of Japan Society of Disaster Prevention (1988), and the award for Lifetime Contributions in Earthquake Engineering by the Indian National Academy of Engineering (1997). For his meritorious services to the nation, he was conferred Padma-Bhushan by the president of India in 1972.

The Centre of Excellence in Disaster Mitigation and Management (CoEDMM) at Indian Institute of Technology Roorkee (IIT Roorkee) organised the First Professor Jai Krishna Memorial Lecture (JKML) on Friday, November 6, 2020, as an Online Event. The First

Memorial Lecture was delivered by Dr. Pramod Kumar Mishra, 2019 Sasakawa Laureate and Principal Secretary to the Prime Minister of India. His discourse was on *“COVID-19, Black Swan Events, and the Future of Disaster Risk Management in India”*. Dr P K Mishra’s far-sighted talk generated interest and stimulated discussion among DRR professionals, both at national and international level. His thoughtful rendering of black swan events of past and the present COVID 19 pandemic situation brought forward the criticality of the context in right perspective. Analytical discussion on flow of events happened in India and abroad as part of the present Pandemic’s management, was put forward for the audience succinctly so that they can perceive the managerial initiatives holistically. The analytic was followed by rendering of the country’s future risk management philosophy, policies and strategies. Dr Mishra’s deliberation provides an occasion to learn, ponder, plan and implement actions by the disaster managers (both present and future), in the face of this critical uncertain period.

Risk of uncertainty during the pandemic period was prudently presented by Dr P K Mishra; and this can help better to peruse adopted risk management process, its strength and gap areas to address. Surely other countries will find resonance of their situational analysis in his talk, though it was primarily focused on India. Dr Mishra has concluded his talk with forward-looking advises for resilience against risk (both acceptable and residual) and uncertainty; and he categorised Five Pillars on which we need to develop our future resilience activities, i.e., Local community, Infrastructure, Finance, Society and most importantly, Natural resources. He elaborated these perspectives with evidences in his lecture seamlessly. Dr P K Mishra highlighted the role of IIT Roorkee and other technical Institutes in this resilience mission, even beyond the country's boundary many a times.

Ms Mami Mizutori, Head - UNDRR and Special Representative of the UN Secretary-General (SRSG) attended the First JKML Event and put forward her comments on the First J K Memorial Lecture delivered by Dr P K Mishra. She shared her wisdom with the audience while commenting on Dr Mishra's lecture as practical, far-sighted and intellectually rich. Her presence made the First Jai

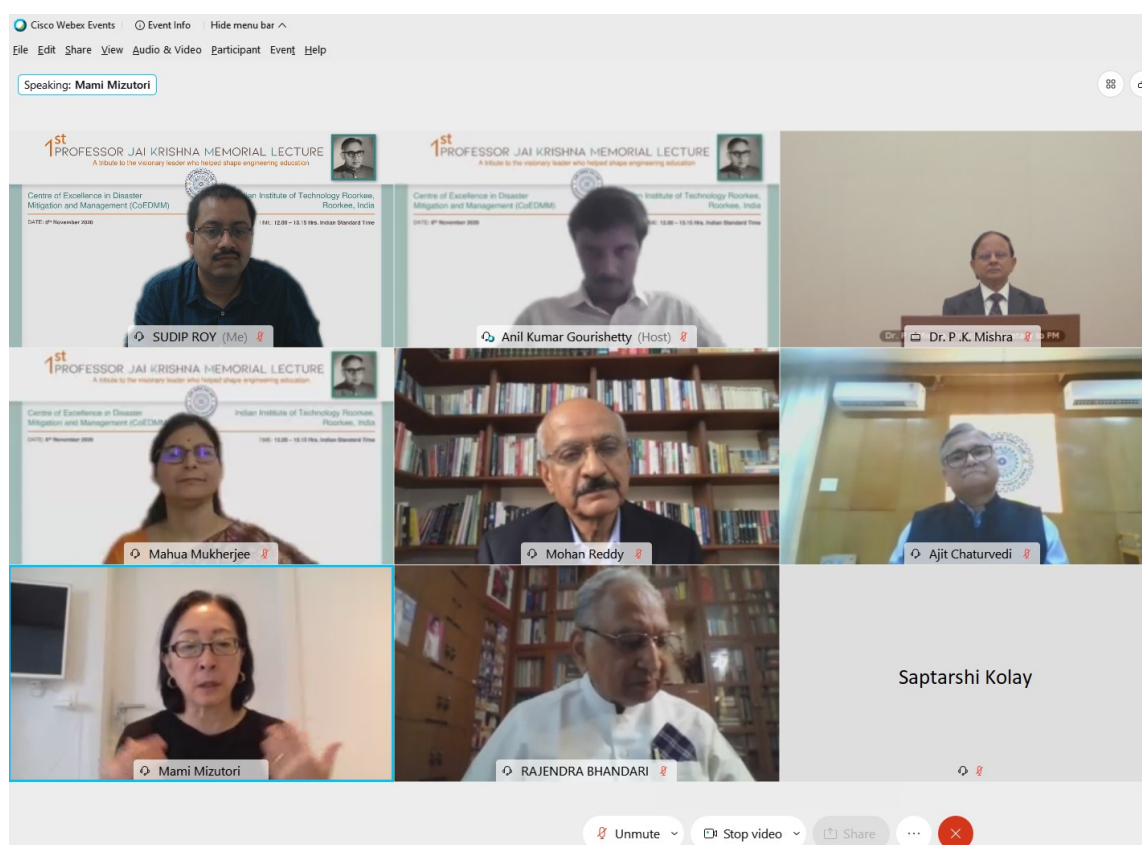
Krishna Memorial Lecture a milestone event, not only for IIT Roorkee but also for the country.

Prof. Ajit K Chaturvedi, Director IIT Roorkee, lauded the erudite keynote speech delivered by Dr P K Mishra in the First JKML Event, and appreciated the presence of dignitaries, Ms Mami Mizutori for sharing their perspective on Dr Jai Krishna's leadership role. Dr Chaturvedi spoke about the continued commitment of IIT Roorkee for the safe and resilient society in India and in the world, as expected by dignitaries including Dr Mishra and Ms Mizutori. In continuation he mentioned about upcoming South Asia Alliance for Disaster Resilience Institutes (SAADRI) in the CoEDMM, IIT Roorkee under Dr Mahua Mukherjee's leadership.

The Event was organized in WebEx platform and simultaneously on YouTube Platform. The First JKML was broadcasted LIVE at DD News, DD Uttarakhand, and DD Udisha. The First JKML was organized by Prof. Mahua Mukherjee, Prof. Sudip Roy, Prof. Anil Kumar Gourishetty, and Prof. Saptarshi Kolay.

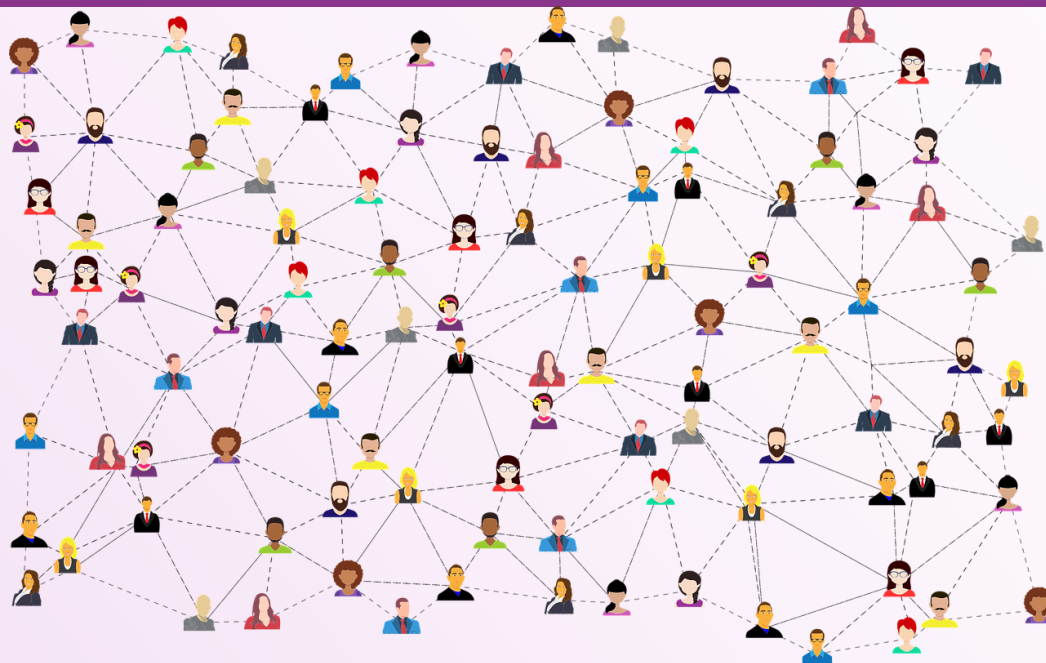
For more information, please visit webpage:

https://www.iitr.ac.in/centers/COEDMM/pages/Miscellaneous+JKML_Series.html



Establishment of the South Asian Alliance of Disaster Research Institutes (SAADRI) Hosted by CoEDMM, IIT Roorkee

By: Dr. Sudip Roy, IIT, Roorkee, India



The South Asia Alliance of Disaster Research Institutes (SAADRI) **was** formed at the Centre of Excellence in Disaster Mitigation and Management (CoEDMM), IIT Roorkee, India on 13th November 2020. On 6th November 2020 during the First Jai Krishna Memorial Lecture hosted by the CoEDMM, IIT Roorkee, the IIT Roorkee Director, Professor A K Chaturvedi announced the commencement of SAADRI in CoEDMM, IIT Roorkee. Other dignitaries present were Ms. Mami Mizutori, Assistant Secretary-General, UNDRR, Dr. P K Mishra, Sasakawa Laureate of UNDRR and Principal Secretary of PM of India, and 500 plus dignitaries & participants online. The SAADRI aims to deepen the understanding of disasters in the South Asia Region including climate change impact, learn from evidence-based lessons, investigate and resolve implementation challenges, to achieve better resilience, infrastructure and technology adoption systems, improved livelihood of people, and promote societal safety culture by integrating knowledge and technologies. At the formation stage SAADRI will start with members from 5 South Asian countries: Bangladesh, Bhutan, India, Nepal and Sri Lanka. In addition, members from

other countries are allowed to join too. The SAADRI Secretariat can be reached at SAADRI@iitr.ac.in and SAADRI.iitr@gmail.com.

SAADRI Program Advisors:

- Professor B. Misra – Emeritus Professor, School of Planning and Architecture, New Delhi
- Professor M. L. Sharma, Professor, Department of Earthquake Engineering and Joint Faculty at CoEDMM, IIT Roorkee

SAADRI Secretary-General:

- Professor Mahua Mukherjee, Department of Architecture and Planning and Joint Faculty at CoEDMM, IIT Roorkee

For more information, please visit webpage:

<https://www.iitr.ac.in/centers/COEDMM/pages/SAADRI.html>

Let's Talk About Avoidable Deaths: Views from Multiple Sectors

Avoidable Deaths Network

School of Business, Dept. Management, Innovation and Technology
Division, University of Leicester, UK
By: Dr. Nibedita Ray-Bennet



The Avoidable Deaths Network's Special Session on Avoidable Deaths titled "Let's Talk About Avoidable Deaths: Views from Multiple Sectors"

The Avoidable Deaths Network (ADN) organised its first Special Session titled "**Let's Talk About Avoidable Deaths: Views from Multiple Sectors**", in collaboration with Makerere University, Uganda at the 'International Conference on Geographical Science for Resilient Communities, Ecosystems and Livelihoods under Global Environmental Change' (G.O.R.I.L.L.A. Conference).

The Session was held on 4 December 2020 virtually, and lasted 2.5 hours commencing at 11 AM till 1.30 PM GMT.

The Session was delivered by five esteemed speakers:

- I. **Prof. Prabhat Jha** (Founding Director, Centre for Global Health Research, University of Toronto). Prof. Jha, the keynote speaker, presented on "Avoidable Mortality in India: Lessons from the Million Death Study".
- II. **Mr. Gouri Shankar** (Founding Director, Kalinga Centre for Rainforest Ecology) presented on "Deaths in the Snakebite Capital of the World:

India".

III. **Mr. Gatkuoth Kai** (Technical Director, Disaster Risk Reduction, African Union) presented on "Progress on the Implementation of the Africa Programme of Action (PoA) for the Implementation of the Sendai Framework for Disaster Risk Reduction (SFDRR) 2015-2030".

IV. **Ms. Ashley Wolfington** (Interim Director, Humanitarian Program, IPPF) presented on "Using the MISP to Reduce Excess Mortality and Morbidity in Humanitarian Crisis".

V. **Dr. Afsana Alamgir Khan** (Deputy Program Manager, Communicable Disease Control, Government of Bangladesh) presented on "Avoidable Malaria Deaths in Bangladesh in 2020".

The Special Session is available for wider viewing on the ADN website, by following the link: <https://www.avoidable-deaths.net/special-sessions/#Recording>

The banner features a white oval on a blue and green background. Inside the oval, a globe is centered behind the text. The text is in blue and reads: "5th Global Summit of GADRI : Engaging Sciences with Action Virtual Intercontinental Conference 31 August to 1 September 2021".

5th Global Summit of GADRI :

Engaging Sciences with Action

Virtual Intercontinental Conference

31 August to 1 September 2021

Concept Note

With the unprecedented Covid-19 circumstances and the unforeseen future, the 5th Global Summit of GADRI will be organised virtually during the summer of 2021 with a hybrid mini-session proposed to be held in conjunction with the 70th Anniversary of the Disaster Prevention Research Institute (DPRI), Kyoto University in November 2021.

Objective:

The GADRI 2021 summit aims at stock taking of progress and achievements in DRR research from its Members towards the targets of the Science and Technology Roadmap to implement the goals and priorities of the Sendai Framework. The programme will communicate academic science across scientific disciplines to policy makers and practitioners. It is an important aspect for academics to be aware how science can directly contribute to national and local disasters, for example, the current global

pandemic COVID-19, earthquakes, volcanic eruptions, etc. Such situations prompt scientists' interventions, expertise, experience and the opportunity to share them with emergency managers in crisis situations.

This year's Global Summit is attentive to the necessary influence of the Global Alliance and its supporting regional Alliances on bringing the disasters research to bare on the outcomes of the UN Climate Change Conference of the Parties (COP26) COP26 taking place in Glasgow, November 2021. The 5th Global Summit of GADRI will contribute to COP26 and will provide impetus to climate change and health challenges to influence climate policy to work in the disaster resilience and response. The 5th Global Summit of GADRI recommendations, facilitated through the UK Alliance of Disaster Research, will be presented at the COP26 in November 2021.

Target Audience:

The target participants are GADRI members (academic institutions), young scientists, science-policy brokers, and policy makers.

Participation:

- By registration only
- Registration is free of charge

Proposed topics:

The current sub-theme – **Engaging Science with Actions** – is targeting scientists to demonstrate their plans for action towards implement-oriented science.

Proposed topics include:

- i. **Target E – Governance** - Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020;
 - Scientific knowledge to provide evidence for effective implementation of DRR policies
 - Stock taking of current progress and status of science in the world
- ii. **Target F – Finance** - Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national actions for implementation of the present Framework by 2030;
 - Meeting demands from policy makers and planners, and actions by science/scientists
 - Emphasis on focus of science in the world today and learning by action
 - Future directions for scientists to proceed towards action or practice of science
 - Making action an academic concern by sharing available knowledge and targets for implementation by policy makers
- iii. **Climate and Health: Disaster Resilience and Response** – to influence climate policy work in the direction of disaster resilience and response actions based on the weight of the collective research by GADRI and its supporting regional Alliances on bringing the disasters research to bare on the outcomes of COP26 taking place in Glasgow, November 2021.
- iv. Covid-19 and the New Era of Health Disaster Risk Reduction and Management – Responses and measures to Covid-19 – reports or national synthesis reports on Covid-19 – lessons learned and research gaps; and global pandemics – what is next?
- v. **Accessibility of information**, data, reaction to disasters, and knowledge in the absence of a system to react and respond to the situation
- vi. **Evaluating obstacles for scientist engagement** with policy makers and practitioners - Scientists and Actors Engagement Projects –
- vii. **Exploring solutions to bridge the gaps for implementation of science in action**
Route from scientific prediction to social implementation: how can we bridge the last but not least gap between academia and society for accomplishing disaster risk reduction

Structure of the Summit

- i. Virtual conference within 26-28 hours
- ii. Two common sessions are proposed at the beginning and at the end regardless of the time;
- iii. three continental sessions for participants in each region to participate.
 - Asia covering Oceania – hosted by GADRI Secretariat
 - Americas covering North and South America –Prof. Paul Kovacs supported by Prof. Lori Peek and Prof. John van de Lindt
 - Europe covering Africa and the Middle-East – Prof. Jorgen Sparf supported by Prof. Andrew Collins, and Dr. Tom De Groeve
- iv. Participants are allowed to send their questions on a session even though they are unable to participate in a particular session.
- v. Every session will be recorded and immediately uploaded to the summit website for ease of access to participants.
- vi. In general, all registered participants are allowed to take part in every session.

General structure:

- Common opening session - **All participants to attend these session**
Opening remarks, may include
 - Opening by Commissioner or Director

General - “The EU beliefs that global collaboration in research is essential to create the necessary evidence base for policy making. The partnership between the Commission’s Knowledge Centre and GADRI/EUDRI helps bridge the gap between the academic world and the policy world.”

- Assistant Secretary-General of the UNDRR
- Involve DG ECHO from beginning. Place this event under the Knowledge Network.
- President Kyoto University and Director, DPRI, Kyoto University; and SG, GADRI/Chair, BoD, GADRI
- Continent Plenary and group discussion sessions
 - At least one Keynote speech
 - At least three to four discussion groups
 - One panel session with rapporteur from each group
- Common Panel session, wrap-up; and closing Session - **All participants to attend these session**
 - Each continent rapporteur to represent the group discussion sessions
 - Wrap-up
 - Closing session – closing remarks

Plenary Sessions:

- Keynote speakers to be identified
- 20-40- minute presentation and 20-minute discussion session
- Presentations will be recorded
- Copyrighted materials should be used (GADRI will not be responsible for any copyright issues or disputes.)
- Should be available for immediate uploading in the conference portal
- Would need an abstract, keywords, and a paper for the conference proceedings. For further details on the paper, please refer to abstracts and final paper section.

Presentations:

- All presentation graphics/pictures are understood to be fully copyrighted and is the responsible of the presenter
- Uploaded presentations are not available to be copied or cited outside the conference
- Presentations are available for viewing only by the registered participants
- GADRI Secretariat should be provided with an abstract, keywords, and a paper for the conference proceedings. For further details on the paper, please refer to abstracts and final paper section.

Group Discussion Sessions:

Each group will pick-up a theme and the results will be reported by the rapporteur at the panel sessions. Following are a few ideas floated for possible discussions.

- i. **Target E – Governance** - Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020;
 - Scientific knowledge to provide evidence for effective implementation of DRR policies
 - Stock taking of current progress and status of science in the world
- ii. **Target F – Finance** - Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national actions for implementation of the present Framework by 2030;
 - Meeting demands from policy makers and planners, and actions by science/scientists
 - Emphasis on focus of science in the world today and learning by action
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- iii. **Climate and Health: Disaster Resilience and Response** – to influence climate policy work in the direction of disaster resilience and response actions based on the weight of the collective research by GADRI and its supporting regional Alliances on bringing the disasters research to bare on the outcomes of COP26 taking place in Glasgow, November 2021.
- iv. **Covid-19 and the New Era of Health Disaster Risk Reduction and Management** – Responses and measures to Covid-19 – reports or national synthesis reports on Covid-19 – lessons learned and research gaps; and global pandemics – what is next?
- v. **Accessibility of information**, data, reaction to disasters, and knowledge in the absence of a system to react and respond to the situation
- vi. **Evaluating obstacles for scientist engagement** with policy makers and practitioners - Scientists and Actors Engagement Projects – This session introduces on-going projects with the substantial engagement between scientists and actors. Scientists are expected to contribute to improve decision of actors. Presentations will provide lessons and hints how scientist and actors can effectively communicate.
- vii. **Exploring solutions to bridge the gaps for implementation of science in action**

Route from scientific prediction to social implementation: how can we bridge the last but not least gap between academia and society for accomplishing disaster risk reduction –

In predictions of flood or landslides in some specific cases, outputs from scientific research can provide info of spatio-temporal changes in hazard with a level of quality that is ready for application. However, actual implementation of these scientific outcome is still tough in some aspects such as law, economic repercussion, and acceptability by local residents. Discussion is needed for such final gaps remaining on the route from academia to society for accomplishing disaster risk reduction.

Pre-Conference Collection of data from Members of GADRI prior to the 5th Global Summit

GADRI is a network coordinating research institutes engaged in disaster risk reduction and resilience at a global level to advance the global agenda of science community. Actions to be taken by scientists are clearly defined by the Science and Technology Roadmap and Sendai Framework Agenda for 2030. All members of GADRI will be requested to voluntarily declare and report their research achievements and contributions along the lines of the S&T Roadmap and the progress and actions in terms of supporting the implementation of the priority areas of the Sendai Framework Agenda.

GADRI membership is reaching 200 institutes excluding the members of the regional alliances. If each member institute contribute their actions towards the Roadmap, this would generate valuable information on the areas where most of the research is done and identify areas where there are gaps or where no research is being conducted.

It is proposed to prepare a questionnaire that would give the basis for group discussions with research data, gaps, where things are moving well or not, and guide to future directions.

Collected and analysed data and outputs from discussion sessions will also serve as GADRI Conference outcome and GADRI contribution to the Science and Technology Roadmap and the Sendai Framework Agenda for 2030.

Questionnaire -

- The inputs are voluntary contributions as a member of GADRI
- Questions are phrased to maintain both coherences, and easy to reply
- Target F on finance – linked to where there are research needs for funding and how to know about it. How to link the gap of funding and most needed research?
- Research collaboration activities – national and local engagements – research collaborations to bridge funding gaps
- What is the important link with academics to the society or the service offered by academics during natural hazard or emergency situations?
- Various guidelines and tools already are in place to answer these questions. How are these tools?

E-Poster Session and Abstracts and Final Papers

E-Poster Session

- Young scientists are encouraged to submit an outline/abstract of the posters on the proposed conference themes/group discussion sessions.
- The poster should be along the same principles of the “Abstracts and Final Paper” below.

Abstracts and Final Papers

Abstracts, key words and final paper (minimum 3,000 words) to be submitted prior to the Conference by 31st March 2021.

General principles for abstract, keywords and papers:

- All papers are along the lines of the proposed themes of the 5th Global Summit of GADRI.
- All contributions are relevant to policy makers and directed towards global disaster risk assessment – not only hazards – dimensions to assess the risks.

- Papers should contribute to the targets of the Science and Technology Roadmap for the implementation of the priority areas of the Sendai Framework Agenda; and the agenda of COP26.
- Papers could be reporting on research challenges, contributions, achievements, etc. It is important to framework the data in terms of - whether it is global, national, or local. These dimensions are important. With hazards, it is important to mention whether it is technological, natural or others aspects, is it on exposure, or vulnerability, or hazards. This will be a good way to summarize the current status of science and research targets.
- As an appendix, all contributors should ideally deliver 1-page science for policy brief (who for, what is the policy question, what are the facts, what is the recommendation...).
- Sendai Roadmap: scoring - Make it attractive to respond properly: catalogue of R&D.

Selected papers will be published in the Proceedings of the 5th Global Summit of GADRI.

Benefits of participating in the GADRI Global Summit:

1. Opportunity to engage with GADRI members in a global context as well as on a regional basis.
2. Global orientation on DRR research, contributions and achievements
3. Especially taking advantage of the EC-JRC research work. A lot of science policy translations are conducted there and it is an opportunity for GADRI to link and learn from the European and European local contexts.
4. Vice versa, it will provide scientists around the world to work on that area and to get better engagement to the academic world, find any mechanism to get the academic world influenced more on policies, and national policies, etc.
5. The GADRI Global Summit provide an opportunity to showcase some examples, and bring the right people along global context and maximise knowledge sharing on what we know, and needs to be done.
6. The lessons learned, and topics discussed at the GADRI Global Summit are of global value; and
7. Outcome and selected papers will be published in the Proceedings of the 5th Global Summit via Springer Japan.

Partners: core group

- Kyoto University
- Disaster Prevention Research Institute (DPRI) Kyoto University, GADRI Secretariat
- European Commission—Joint Research Center (EC-JRC)
- Disaster and Development Network (DDN), Northumbria University
- Mid Sweden University

Conference Chairs:

Prof. Andrew Collins, Northumbria University, Prof. Hirokazu Tatano, GADRI and DPRI, Kyoto University and Kyoto University, Prof. Jorgen Sparf, Mid-Sweden University, EC-JRC (Dr. Tom De Groeve, Dr. George Breyannis, Dr. Elisabeth Krausmann), Prof. Paul Kovacs and Prof. Lori Peek.

The seven global targets of the Sendai Framework:

- 2016 - (a) Substantially reduce global disaster mortality by 2030, aiming to lower the average per 100,000 global mortality rate in the decade 2020–2030 compared to the period 2005–2015;
- 2017 - (b) Substantially reduce the number of affected people globally by 2030, aiming to lower the average global figure per 100,000 in the decade 2020–2030 compared to the period 2005–2015;
- 2018 - (c) Reduce direct disaster economic loss in relation to global gross domestic product (GDP) by 2030;
- 2019 - (d) Substantially reduce disaster damage to critical infrastructure and disruption of basic services, among them health and educational facilities, including through developing their resilience by 2030;
- 2020 - (e) Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020;
- 2021 - (f) Substantially enhance international cooperation to developing countries through adequate and sustainable support to complement their national actions for implementation of the present Framework by 2030;
- 2022 - (g) Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to people by 2030.

Draft Program for the Virtual 5th GADRI Global Summit: Engaging Sciences with Action

31st August to 1st September 2021

JP time	UTC time (Coordinated Universal Time)	India	Europe	US (Eastern Daylight Time)	US (Pacific Daylight Time)	Room1 - Zoom Link Meeting ID: Passcode: (This URL is available during (Japan Time))	Room2 - Zoom Link Meeting ID: Passcode: (This URL is available during (Japan Time))	Room3 - Zoom Link Meeting ID: Passcode: (This URL is available during (Japan Time))	Room4 - Zoom Link Meeting ID: Passcode: (This URL is available during (Japan Time))
31st Aug 10:00 PM 12:00 AM	1:00 3:00 PM	6:30 PM 8:30 PM	31st Aug 3:00 PM 5:00 PM	31st Aug 9:00 AM 11:00 AM	31st Aug 6:00 AM 8:00 AM	Common Opening Ceremony For ease of access, sessions are divided among three continents South Asia, Asia and Oceania = Asia and Oceania Session; Africa, Europe and the Middle East= Europe Session; and North and South America = Americas Session) MC:			
One hour break									
JP time	UTC time	India	Europe	US (Eastern Daylight Time)	US (Pacific Daylight Time)	Current situation of science collaborations in hazards DRR			
1st Sept 1:00:00 AM 6:00 AM	4:00 PM 9:00 PM	31st Aug 9:30 PM 2:30 AM	31st Aug 5:00 PM 11:00 PM	31st August 2021 12:00 PM 5:00 PM	31st Aug 9:00 AM 2:00 PM	Americas covering North and South America Host: Prof. Paul Kovacs and Prof. Lori Peek			
						Group Discussion Sessions Group 1: Chair:	Group Discussion Sessions Group 2: Chair:	Group Discussion Sessions Group 3: Chair:	Group Discussion Sessions Group 4: Chair:
4 group sessions with a rapporteur to represent each group at the panel Session									
1st Sept 6:00:00 AM 8:00 AM	9:00 PM 11:00 PM	1st Sept 2:30 AM 4:30 AM	31st Aug 11:00 PM 1:00 AM	31st Aug 5:00 PM 7:00 PM	31st Aug 2:00 PM 4:00 PM	Common Plenary Session for All Participants			
One hour break									

Engaging Sciences with Action : Voices from Asia and Oceania									
JP time	UTC time	India	Europe	US (Eastern Daylight Time)	US (Pacific Daylight Time)				
1st Sept 9:00 AM 3:00 PM	1st Sept 12:00 AM 6:00 AM	1st Sept 5:30 AM 11:30 AM	1st Sept 2:00 AM 8:00 AM	31st Aug 8:00 PM 2:00 AM	31st Aug 5:00 PM 11:00 PM	South Asia, Asia and Oceania Host: GADRI Secretariat supported by Prof. Mahua Mukherjee Plenary for South Asia, Asia and Oceania - Keynote Speaker 1			
						Group Discussion Group 1: Chair:	Group Discussion Group 2: Chair:	Group Discussion Group 3: Chair:	Group Discussion Group 4: Chair:
4 group sessions with a rapporteur to represent each group at the panel Session									
Common Session - E-Presentations									
One hour break									
JP time	UTC time	India	Europe	US (Eastern Daylight Time)	US (Pacific Daylight Time)	Exploring solutions to bridge the gaps for implementation of science in action			
1st Sept 5:00 PM 11:00 PM	1st Sept 8:00 AM 2:00 PM	1st Sept 1:30 PM 7:30 PM	1st Sept 10:00 AM 4:00 PM	1st Sept 4:00 AM 10:00 AM	1st Sept 1:00 AM 7:00 AM	Europe including Africa, and the Middle-East Hosts: Dr. Jörgen Sparf supported by Prof. Andrew Collins, and Dr. Tom de Groeve Keynote Speaker 1 Plenary for Europe, Africa and the Middle-East			
						Group Discussion Group 1: Chair:	Group Discussion Group 2: Chair:	Group Discussion Group 3: Chair:	Group Discussion Group 4: Chair:
4 group sessions with a rapporteur to represent each group at the panel Session									
Common Session - E-Presentations									
One hour break									
JP time	UTC time	India	Europe	US (Eastern Daylight Time)	US (Pacific Daylight Time)	Panel Session; Wrap-up; and the Closing Ceremony Chair/s for Panel Session:	MC for Closing:		
2nd Sept 2:00 AM 4:00 AM	1st Sept 5:00 PM 7:00 PM	1st Sept 9:30 PM 11:30 PM	1st Sept 7:00 PM 9:00 PM	1st Sept 1:00 PM 2:00 PM	1st Sept 10:00 AM 12:00 PM	[Plenary @ Room1] Common Session for All continents (Asia and Oceania; Europe including Africa, and the Middle East; and Americas covering North and South America)			

GADRI Members

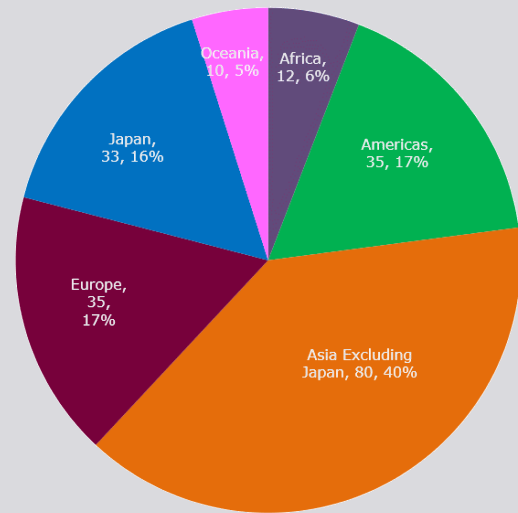
Established in March 2015, the Global Alliance of Disaster Research Institutes support the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030 (SFDRR) and the work of the Scientific and Technical Advisory Group of the United Nations Office for Disaster Risk Reduction (UNDRR).

In line with its vision, GADRI strives to deepen the understanding of disasters and find implementable solutions to achieve disaster resilience; i.e. human, technical system and infrastructure resilience, survivability and well-being, by integrating knowledge and technologies from around the world. Over 200 institutions have joined GADRI. GADRI membership is free; and completely voluntary and non-binding.

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

To join GADRI, please contact the GADRI Secretariat: secretariat-gadri@dpri.kyoto-u.ac.jp

Geographical Distribution of GADRI as of 31 August 2020



Area	Members	Economies
Africa	12	7
Americas	35	8
Asia (Excluding Japan)	80	23
Europe	35	12
Japan	33	1
Oceania	10	2
Total Institutes	205	53



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