## Programme

## 5th Global Summit of GADRI: Engaging Sciences with Action

Intercontinentally and Virtually from 13:00 hours UTC, 31st August to 16:00 hours UTC, 1st September 2021

	TOTO time	India	Furana	116			timentally and virtually from 13.00 flours 010, 31st August to 10.00 flours 010, 1st September 2021					
JP time	(Coordina ted Universal	(indian	Europe (Central European Time)	US (Eastern Daylight Time)	(Pacific Daylight Time)		Common Opening Ceremony					
	Time	i iiie)	i iiile)	Time)	i iiiie)	2.5 hr		Welcome, Paul Kovacs, Chair, GADRI Board of Directors; and Founder and Executive				
							•	Reduction at Western University, Canada <b>Greetings, Mami Mizutori</b> , Special Representative of the Secretary-General for DRR, Umessage)				
						30 min	٠	GADRI: Objectives, Structure and Expected Outcomes of the 5th Global Summit of General, GADRI, and Professor, Disaster Prevention Research Institute (DPRI), Kyoto U				
								Group Photo	Group Photo			
								Plenary Session I: Systemic Risk and Curren	Dean, Professor and Dean, Graduate School of Advanced Integrated Studies (GSAIS)			
								(speakers @ 20 min presentation and 10 min Q&A by each	(speakers @ 20 min presentation and 10 min Q&A by each presenter)			
U	31st Aug PM 13:00		31st Aug PM 15:00	31st Aug AM 9:00	31st Aug AM 6:00			Loretta Hieber Girardet, Chief, Risk Knowledge, Monitoring and Capacity-Development	t Branch, United Nations Office for Disaster			
AM 00:30	PM 15:30	PM 21:00	PM 17:30	AM 11:30	AM 8:30	90 min	•	Risk Reduction (UNDRR)  COVID-19 and other hazards – Science into Action, Virginia Murray, Head, Global [ England (PHE)	Disaster Risk Reduction, Public Health			
								Lessons of COVID-19 for Systemic Risk Governance: Recycling Sustainability and Director, Institute for Advanced Sustainability Studies (IASS)				
								Reporting Items	Reporting Items			
							•	Report of Achievements by members of GADRI contributing to the targets of S&T Kyoto University	22	Chair: Hirokazu Tatano		
						30 min		Analysis of the GADRI Questionnaire Survey covering contributions to Sendai Fra Covid-19, Genta Nakano, DPRI, Kyoto University Introducing GADRI Book Series, Sameh Kantoush, DPRI, Kyoto University	mework, Climate Change Adaptation, and	Secretary-General, GADRI; Professor, DPRI, Kyoto University		
							•	GADRI Book Launch, Mahua Mukherjee, Indian Institute of Technology (IIT), Roorkee Publication of the book "Disaster Risk Reduction and Resilience", Muneta Yokom				
						30min		В	reak			
		India (Indian	Europe (Central	US (Eastern	US (Pacific			Americas covering Nor				
JP time	UTC time	Standard Time)	`	Daylight Time)	Daylight Time)	6h		Multidisciplinary Modeling Progress and the Role o		Resilience Planning		
						_		12:00 to 18:00 hours US Eastern Day Organising Committee: Prof. John van de Lindt, Dr. Guirong (Grad		d Prof. Paul Kovacs		
1st Sept	31st Aug	31st Aug	31st Aug	31st Aug	31st Aug				e, ran, br. banne Rruse, rron Eorri cek, and	a i i oi. i adi itovacs		
AM 1:00	PM 16:00	PM 21:30	PM 18:00	PM 12:00	AM 9:00			Resilience Planning	nd the Role of Community Engagement in	Chair:Grace Yan Center for Hazard Mitigation and		
	PM 16:30			PM 12:30		30min		<b>Keynote Speech John W. van de Lindt</b> , Colorado State U  Resilience Planning	Iniversity & Center for Risk-Based Community	Community Resilience, Missouri University of Science and Technology		
	PM 16:30 PM 16:40				PM 9:30 PM 9:40			Brea	k			
								Enabling Resilience : Preventing Disasters in Hazard-Prone Areas	III. Reducing Barriers for Scientists and E	ngineers to Enhance Resilience		
							•	<b>Jamie Brown Kruse</b> , Director of Center for Natural Hazards Research, Department of Economics, East Carolina University	<ul> <li>Co-Chaired by:</li> <li>Robert Weiss, Virginia Tech</li> <li>Rachel Davidson, University of Delaware</li> </ul>			
							•	Liesel Ritchie, Associate Director of the Center for Coastal Studies, Department of Sociology, Virginia Polytechnic Institute and State University	4 PPT @15min + 5 min Q&A - 80 min followe	ed by 30 min Panel discussion		
								- 4 PPT @15min + 5 min Q&A - 80 min followed by 30 min Panel discussion				
			PM 18:40 PM 20:30				1	Towards joint earthquake-tsunami hazard assessment for urban and evacuation planning: pilot study in the port city of San Antonio, Chile	Barriers to Increasing Resilience: Ideologic Walt Peacock, Professor, Department of Land A&M and Program Director, Humans, Disaste	dscape Architecture and Urban Planning, Texas		
								Rodrigo Cienfuegos, CIGIDEN, Chile	Engineering Directorate, National Science Fou	undation		
							2	Tsunami Early Warning in Chile: Rebuilding the System based on Science Patricio Catalan, Universidad Técnica Federico Santa Maria, Chile	2 to Ensure Operationalization Sean Griffin, CEO, Disaster Technologies, In	perations: Engaging Practitioners in Research c.		
							3	Integrated Modeling and Decision Support to Foster Effective Resilience Policy	Building Coastal Resilience in Virginia ~ Co Rear Admiral Ann C. Phillips, USN (Ret), Sp	onnecting Research to Need		
								Jamie Brown Kruse, East Carolina University  Enabling Regiliance Through Social Impact Assessment	Adaptation and Protection at Office of the Gov  Performance-Based Engineering Approach	vernor, State of Virginia		
							4	Enabling Resilience Through Social Impact Assessment Liesel Ritchie, Virginia Tech	4 Greg Deierlein, John A. Blume Professor in C University			
	PM 18:30 PM 19:00				PM 11:30 PM 12:00			Brea	ak			
AM 4:00 AM 6:30	PM 19:00 PM 21:30			PM 15:00 PM 17:30	PM 12:00 PM 14:30		II.	Innovative Approaches in Disaster Resilience	IV. Equitable Resilience: Addressing Socia	al Justice in Disasters		
							Co-Ch	aired by:	Co-Chaired by:			
							•	<b>Grace Yan</b> , Center for Hazard Mitigation and Community Resilience, Missouri University of Science and Technology	<ul> <li>Michelle Meyer, Hazard Reduction and Recove</li> <li>Maria K. Dillard, National Institute for Standard</li> <li>Kim Klockow McClain, National Oceanic and American</li> </ul>	ds and Technology		
							•	Brian Phillips, University of Florida Xinyue Ye, Texas A&M University	Sara Hamideh, Stony Brook University			
								- 8 PPT @ 15 min followed by 30 min Panel Discussion)	(8 PPT @ 15 min followed by 30 min Panel D	Discussion)		
							1	Resilience in Recovery - Build Back Better Paul Kovacs, Chair, GADRI Board of Directors; and Founder and Executive Director of the Institute for Catastrophic Loss Reduction at Western University, Canada	<ul> <li>Resilience is a Team Sport</li> <li>Jaleesa Tate, State Hazard Mitigation Officer</li> <li>Emergency Management Agency (MEMA)</li> </ul>	(SHMO) and Branch Manager, Maryland		
							2	Bending the Curve: Stories of Resilience Success Ian Giammanco, Sr. Director, Product Design and a Lead Research Meteorologist, IBHS	The Role of Social Inequality in Measuring Mria Dillard, Associate Lead Technical Invest			
								Research Center, Richburg, South Carolina	(NCST)			
						150min	3	Probabilistic Analysis and Metamodeling of Hurricane Coastal Hazards Norberto C. Nadal-Caraballo, U.S. Army Engineer R&D Center (ERDC)	on historically underrepresented group op	table amplification of complex event impacts erated small businesses fice of the Engineering Laboratory (EL), National		
								Measuring, Mapping, and Communicating Flood Risk in TX	Institute of Standards and Technology (NIST)	esence in a Weather Laboratory: Raising Local		
							4	Samuel D. Brody, Regents Professor and holder of the George P. Mitchell '40 Chair in Sustainable Coasts, Department of Marine and Coastal Environmental Science, Texas A&M University, Galveston Campus	4 Voices Kim Klockow McClain, Research Scientist a Cooperative Institute for Mesoscale Meteorolo	nd the Societal Applications Coordinator,		
							5	Design against Tornadoes to Enhance Tornado Resilience Grace Yan, Director, Center for Hazard Mitigation and Community Resilience, Missouri University	Public housing recovery and participantion	n as indicators of social justice in disasters of Marine and Atmospheric Sciences, Sustainability		
								of Science and Technology  Recent Studies on the Resilience of Structural Systems Affected by Stationary and	Division, Stony Brook University			
							6	Nonstationary Wind Hazards Luca Caracoglia, Associate Professor, Department of Civil and Environmental Engineering, Northeastern University, Boston, Massachusetts	6 Urban flood vulnerability according to mig Kelly Anderson, Researcher, University of M	rant status: Lessons from Beira, Mozambique aryland		
1	I	I	1			1		The state of the s				

								Adaption of Emerging Technologies for Infrastructure Resilience Kenichi Soga, Donald H. McLaughlin Professor and Chancellor's Professor, University of California, Berkeley  Can't Beat the Heat - The Challenges of Heat Mitigation in Texas Prisons J. Carlee Purdum, Assistant Research Professor, Hazard Reduction and Recovery Center, A&M University															
								Emerging Technologies for Infrastructure Resilience: Realizing the Opportunity Mahmoud Reda Taha, Distinguished Professor & Chair – Department of Civil Construction and Environmental Engineering, UNM Resilience Institute, The University of New Mexico  Reduce Disaster Suffering David I. Maurstad, FEMA Deputy Associate Administrator for Insurance and Mitigation, Senior Executive of the National Flood Insurance Program															
	AM 7:00	PM 21:30 PM 22:00	AM 3:00 AM 3:30	PM 23:30 PM 0:00	PM 17:30 PM 18:00	PM 14:30 PM 15:00	30min	Break time - Breakout rooms available for those who wish to connect with other members.															
•						31st Aug	0 00 min	Plenary Session II for All Participants  How to Engage Science in the Decision-Making Process within National Governance and  Relate Science into Action?  4 keynote speakers @ 20min and 10 min for discussion  Chair: Charles Scawthorn															
		PM 22:00 PM 23:30	AM 3:30 AM 5:00		PM 18:00 PM 19:30			<ul> <li>Mobilizing science for disaster risk reduction and development safety - a decade quest of IRDR, Qunli Han, Executive Director, International Programme Office of Integrated Research on Disaster Risk (IRDR-IPO)</li> <li>Disaster Risk Reduction in Small Nations, Selwyn Mahon, American University of the Caribbean School of Medicine, Sint Maartens</li> </ul>															
								<ul> <li>Non-regret climate change adaptation with a paradigm-shift of the water-related disasters, Eiichi Nakakita, Disaster Prevention Research Institute (DPRI), Kyoto University</li> <li>Emilia Saiz Carrancedo, Secretary-General, United Cities and Local Governments (UCLG), Spain (video message)</li> </ul>															
,		Break - One hour																					
	JP time	UTC time	India (Indian Standard Time)	Europe (Central European Time)	US (Eastern Daylight Time)	US (Pacific Daylight Time)	6h	Asia and Oceania  Engaging Sciences with Action: Voices from Asia and Oceania  9:30 - 15:45 hours Japan Standard Time (JST), 1st September 2021  Organising Committee: GADRI Secretariat supported by Prof. Mahua Mukherjee, SAADRI															
21	•							Open Synthetic Systems, Haruo Hayashi, National Research Institute for Earth															
ust to 1st September 202	AM 9:30 AM 15:45 AM 9:30 AM 11:30	AM 6:45	PM 12:15	AM 8:45	PM 20:30 AM 02:45 PM 20:30 PM 22:30			Keynote Speeches (4 speakers @ 20min and 30 min discussion)  Science and Disaster Resilience An introduction of the first national comprehensive disaster risk survey project of China, Yang Saini, Beijing Normal University Using science to support decision-makers to reduce risk from natural hazards events: some examples from Aotearoa New Zealand, Gill Jolly, GNS Science Engaging Science with actions: A case for EEW in India, M. L. Sharma, SAADRI Programme Adviser  Science and Disaster Resilience An introduction of the first national comprehensive disaster risk survey project of China, Yang Saini, Beijing Normal University Using science to support decision-makers to reduce risk from natural hazards events: some examples from Aotearoa New Zealand, Gill Jolly, GNS Science Engaging Science with actions: A case for EEW in India, M. L. Sharma, SAADRI Programme Adviser															
Virtual - 31st Aug								Panel Discussion - 1 Regional Alliances : Improving collaboration to support global stakeholders on DRR and DRM  Panel Discussion Panel Discussion - 3 Contribution for Policy Making  Panel Discussion - 3 Contributions to Climate Change Adaptation  Adaptation  Panel Discussion - 3 Contributions to Climate Change Adaptation															
ntinental and V								Focal Points: Hirokazu Tatano, Norio Maki, Kenji Kawaike, Wei-Sen Li, Gretchen Kalonji Focal Points: Toshio Fujimi, Genta Nakano, Ritsuko Yamazaki-Honda, Dilanthi Amaratunga Focal Points: Tetsuya Takemi, Kenji Tanaka, Mahua Mukherjee; and Andrew Collins as Adviser Focal Points: Subhajyoti Samaddar, Masamitsu Onishi, Yuki Matsushi, Yuichi On															
ith Action - Interco								Session 1-1: Introducing current and existing alliances - (3 @15 min)  Chair: Srikantha Herath and Kenji Kawaike  2-1 - Progresses and challenges of DRR policies Chair: Dilanthi Amaratunga and Ritsuko Yamazaki-Honda (3 @10 min and 30 panel discussion)  2-1 - Progresses and challenges of DRR Research Centres in support of the climate change research agenda b) To create a roadmap for Universities and Research Centres in support of the climate change research agenda b) To list measurable contributions of the Asia and Oceania Region towards the COP26.															
	AM 11:30 PM 13:00		AM 8:00 AM 9:30	AM 4:30 AM 6:00	AM 4:30 AM 6:00	\М 4:30 \М 6:00	AM 4:30 AM 6:00	AM 4:30 AM 6:00	AM 4:30 AM 6:00	AM 4:30 AM 6:00	\М 4:30 \М 6:00	AM 4:30 AM 6:00	PM 22:30 AM 00:00	PM 19:30 PM 21:00	90 min	<ul> <li>Progress and achievement of Sendai Framework Target E in Asia Pacific countries, Timothy Wilcox, Offier-in-Charge, Programme Management Officer (Asia Pacific), UNDRR, Thailand</li> <li>Sprikantha Herath, Co-chair, SAADRI Opportunities and Challenges for AADRI Since Inception, Desmond Manatsa, African Alliance of Disaster Resarch Institutes (AADRI), Bindura University of Science, Zimbabwe</li> <li>Natural Disaster Research Council, Akira Igarashi, DPRI, Kyoto University, Japan</li> <li>JICA's Global Agenda for DRR &amp;</li> <li>Chair: Mahua Mukherjee</li> <li>Some examples integrated research on climate-related geohazard risks, impacts of climate change and planning policy, Choun-Sian LIM, Southeast Asia Disaster Prevention Research Initiative, Universiti Kebangsaan Malaysia</li> <li>Some examples integrated research on climate-related geohazard risks, impacts of climate change and planning policy, Choun-Sian LIM, Southeast Asia Disaster Prevention Research Initiative, Universiti Kebangsaan Malaysia</li> <li>Sutat Weesakul, Director, Hydro-Informatics Institute, Ministry of Higher Education, Science, Research and Innovation, Thailand;</li> <li>Dushmanta Dutta, CSIRO</li> <li>Assessing the impacts of extreme weather</li> <li>How can science support decision-</li> </ul>							
5th Global Summit								Introducing Viewpoints: Suggestions for Improvement - (3 @ 5 min) - Panel Discussion: (30 min)  Improving Collaboration for DRR and DRM in Small Island Developing States, Ian White, Emeritus Professor, Australian National University Leveraging Academic Diplomacy for resilience and addressing cascading risks, Indrajit Pal, Assistant Professor and Chair, DPMM Program, Asian Institute of Technology (AIT), Thailand  Development Support for Local DRR Strategies/Plans, Hideaki Matsumoto, Japan Internation Cooperation Agency (JICA), Japan  Development Support for Local DRR on local-scale hazards in urban areas and complex terrains for climate change adaptation, Tetsuya Takemi, Professor, Disaster Prevention Research Institute (DPRI), Kyoto University, Japan  Challenges and Requirements towards Implementing DRR Science in Public Sector Development: Experience from Bangladesh, Shibly Sadik															
							45 min	Break  Session 1-2: -What should we do to  2-2 - Potentials of Scientific knowledge for Chair: Keni Tanaka, DPRI, Kyoto University  4-2 A new way of evaluation system for															
		AM 4:45 AM 6:15				PM 21:45 PM 23:15	90 min	encourage youth to engage in education? (d ® 10 min) (d ® 10 min and 30 panel discussion) (d ® 10 min a															
								Asia and Oceania Session Wrap-up Plenary															

PM15:15 PM 15:45	AM 6:15 AM 6:45	AM 11:45 PM 12:15		AM 2:15 AM 2:45	PM 23:15 PM 23:45	30 min	<ul> <li>Group 1-1 - Introducing Current and Existing Alliances, Srikantha Herath</li> <li>Group 1-2 - What Should We Do to Encourage Youth to Engage in Education?, Wei-Sen Li</li> <li>Group 2 - Target E - Disaster Risk Governance and Contribution for Policy Making, Toshio Fujimi</li> <li>Group 3 - Contributions to Climate Change Adaptation, Tetsuya Takemi</li> <li>Group 4 - Implementation of Sciences in Action, Subhajyoti Samaddar</li> </ul>		Chair: Norio Maki Professor, Disaster Prevention Research Institutes (DPRI), Kyoto University, Japan		
PM15:45 PM 16:00		AM 12:15 PM 12:30		AM 2:45 AM 3:00	PM 23:45 AM 0:00	15 min	Break time - Breakout rooms available for those who wish to connect				
JP time	UTC time	e IST	Europe (Central European Time)	EDT	PDT	6h	Europe with Africa and the Middle- Exploring solutions to Bridge the Gaps for Implementatio	ction			
	AM 7:00	1st Sept AM 12:30 PM 18:30		1st Sept AM 3:00 AM 9:00	AM 0:00	OII	09:00 to 15:00 hours CEST 1st September 202 Organising Committee: Dr. Jörgen Sparf, Prof. Andrew Collins, and				
							Plenary Session				
			AM 9:00 AM 9:10			10 min		Welcome address by the regional hosts  Jörgen Sparf, Regional Organising Committee, Associate Professor in Sociology and a founding member of the Risk and Crisis Research Centr			
			AM 9:10 AM 10:15			65 min	Commission, Joint Research Centre (EC-JRC)	eynote Speeches Nico Elema, Director, PeriPeri U, Stellenbosh University International, South Africa Di			
						15 min	Break	Break			
			Discussion panel 1  Bridging the Collaboration Gaps : Integrating DRR and CCA for a Science in Action Agenda				1				
			AM 10:30 AM 11:15			45 min	<ul> <li>Liviu Stirbat, Deputy Head, Adaptation Unit, Euroepan Directorate General for Climate Action</li> <li>Deidre Brock, Member of Parliament, Scottish Governmet, Shadow SNP Spokesperson for Environment, Food and Rural Affai</li> <li>Desmond Manatsa, Africa Alliance of Disaster Research Institutes, Bindura University of Science, Zimbabwe</li> <li>Sarah Webb and Mark Pelling - UK Research and Innovation</li> </ul>	rs	Chair: Andrew Collins		
						15 min	Break				
							Discussion panel 2 Bridging the knowledge Gaps: Exploring solutions for Transforming Data into Action	Ch	Chair: Tom De Groeve, Deputy Head		
		Zuzana Stanton-Geddes, The		45 min	<ul> <li>Marzia Santini, JRC: Science Pillar of the Knowledge Network</li> <li>Zuzana Stanton-Geddes, The World Bank</li> <li>Lisa Robinson, BBC Media Action</li> </ul>		of Unit, Disaster Risk Management Unit, ropean Commission, Joint Research Centre (EC-JRC)				
						45 min	Lunch Break	Lunch Break			
							Discussion panel 3 Bridging the Science-Policy Gaps: Contextualising Governance to Explore Opportunities for Ac	ction	Chair: Jörgen Sparf, Associate		
			PM 13:00 PM 13:45			45 min	David Alexander, University College London  Dzhergalbek Ukashev, The Center for Emergency Situations and Disaster Risk Reduction, Kazakhstan  Valeria Drigo, Global Network of Civil Societal Organisations for Disaster Risk Reduction (GNDR)		rofessor in Sociology and a founding member of the Risk and Crisis Research Centre, Mid Sweden University		
						15 min	Break	Break			
			PM 14:00 PM 14:45			45 min	Discussion panel 4 Bridging the Generational Gap: Catalysing Science in Action by Youth Engagement  • Alinne Olvera, The United Nations Major Group for Children and Youth: The Science Policy Interface • Marie-Claire Graf, YOUNGO • Fang Lian, IRDR Young Scientists Programme, China • Ida Ngurah, Plan International, Indonesia	Chair: Chino Mudhayanhu B			
			PM 14:45 PM 15:00			15 min	Closing Plenary (by the group chairs/rapport	teurs)			
JP time	UTC time	India	Europe	EDT	PDT	10 min	Introduction to theNetworking with Institutes and E-poste	Institutes and E-poster Session			
PM 22:00	PM 13:00	1st Sept PM 18:30 PM 20:30	PM 15:00	1st Sept AM 9:00 AM 11:00	1st Sept AM 6:00 AM 8:00	55 min		E-Poster Presentation 1st half :  Hiroyuki Goto, Muneta Yokomatsu, Masamitsu Onishi			
							Networking with Institutes 2nd half :	E-Poster Presentation 2nd half :			
						55 min		Hiroyuki Goto, Muneta Yokomatsu, Masamitsu Onishi			
JP time	UTC time	India (Indian Standard Time)	Europe (Central European Time)	US (Eastern Daylight Time)	US (Pacific Daylight Time)		Common Closing Ceremony For all participants				
						30 min	Plenary Session III: Achievements and Recommendations by Chairs of Regiona  • Americas covering North and South America, Grace Yan, Director of Center for Hazard Mitigation and Community Resilience a  Mitigation (WHAM) Laboratory, Department of Civil, Architectural and Environmental Engineering, Missouri University of Scienting  • Asia and Oceania, Mahua Mukherjee, IIT, Roorkee  • Europe with Africa and the Middle-East, Jörgen Sparf, Mid-Sweden University	nd Director of Wind Hazard			
	M 0:00 PM 15:00 PM 20:30 PM 21:30 PM 17:00 PM 18:00 PM 18:00 PM 12:00 PM 18:00 PM 18				((IRDR-IPO)	Chair: James Mori Professor, Disaster Prevention Research Institute (DPRI), Kyoto University					
						30 min	Closing of the 5th Global Summit of GADRI:  • Paul Kovacs • Eiichi Nakakita	5th Global Summit of GADRI:  • Paul Kovacs			