Outcomes and Resolutions of the 6th Global Summit of the Global Alliance of Disaster Research Institutes Towards GADRI Objectives of Achieving a Sustainable Disaster-Resilient World, held at the Disaster Prevention Research Institute (DPRI), Kyoto University, Kyoto, Japan from 15<sup>th</sup> to 17<sup>th</sup> March 2023

The member institutes of the Global Alliance of Disaster Research Institutes (GADRI) fully recognise the importance of the United Nations Office for Disaster Risk Reduction (UNISDR) Sendai Framework for Disaster Risk Reduction 2015 2030 Mid Term Review.

1. The Summit affirms that:

1.1 Traditional approaches to risk management are being overwhelmed by the increasing complexity of systemic risk and its cascading impacts. The findings of the Midterm Review of the Sendai Framework, Global Assessment Report 2022 and the work of various GADRI members points to the need for radical changes to strengthen risk-informed decision-making.

1.2 The intensity and impact of the recent earthquakes in Turkey are a reminder of unresolved high levels of exposure and vulnerability to large scale rapid onset hazards occurring against a backdrop of global instability.

1.3 Climate change is projected to increase and intensify extreme weather events and associated disasters. Climate change is adversely impacting the health of humans, animals and entire ecosystems; the climate crisis is a health crisis. Meanwhile, the potential to adapt to climate change is not limitless.

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## 2.3 Institutional Capacity Building:

2.3.1 GADRI should place enhanced focus on assisting member institutions with sharing approaches to overcoming challenges to institutional capacity building, focusing on some targeted and concrete challenges that many or most of us face. These include, for our higher education institutes, overcoming the challenges of disciplinary silos and creating new opportunities for faculty and students for interdisciplinary research, educational and service activities.

2.4 Data and Information Sharing:

2.4.1

diverse media (from conventional broadcasting to social media to community radio), and key change agent (who can plan the interface of researcher and communities) customized science advocacy can be effective.

3. Panel discussions on challenges for action by GADRI report the following:

3.1 Big Science for DRR Large-scale Experiments

There are significant challenges of large-scale experimental facilities for DRR. The panel identified the following key aspects for ongoing attention:

3.1.1 Acknowledge the importance of sharing facilities and existing experimental datasets with a systematic format / digital foundation.

3.1.2 Emphasise that benchmark tests using results of large-scale experiments will be beneficial to the community to understand the capability of numerical models/simulation codes.

3.1.3 Strengthen the tie between large-scale experiments and numerical modelling.