

**Global Alliance of Disaster  
Research Institutes (GADRI):  
IRDR/GADRI Discussion Session**

**15TH SCIENCE COMMITTEE MEETING  
ICSU, PARIS**

Prof. Andrew Collins  
Northumbria University  
6<sup>th</sup> May, 2016

# Content of Session

1. Introduction to GADRI (flier handout)
2. Background to GADRI aims based on presentation of March 2012
3. Example of one of 91 institution's role with GADRI: the case of the DDN, UK
4. Presentation from the GADRI Secretariat, Kyoto University

# Presentation 1: Aiming at a Global Alliance of Research Institutes for Natural Disaster Research

From the First Preparatory Meeting for the Second World Summit of Research Institutes for Disaster Risk Reduction

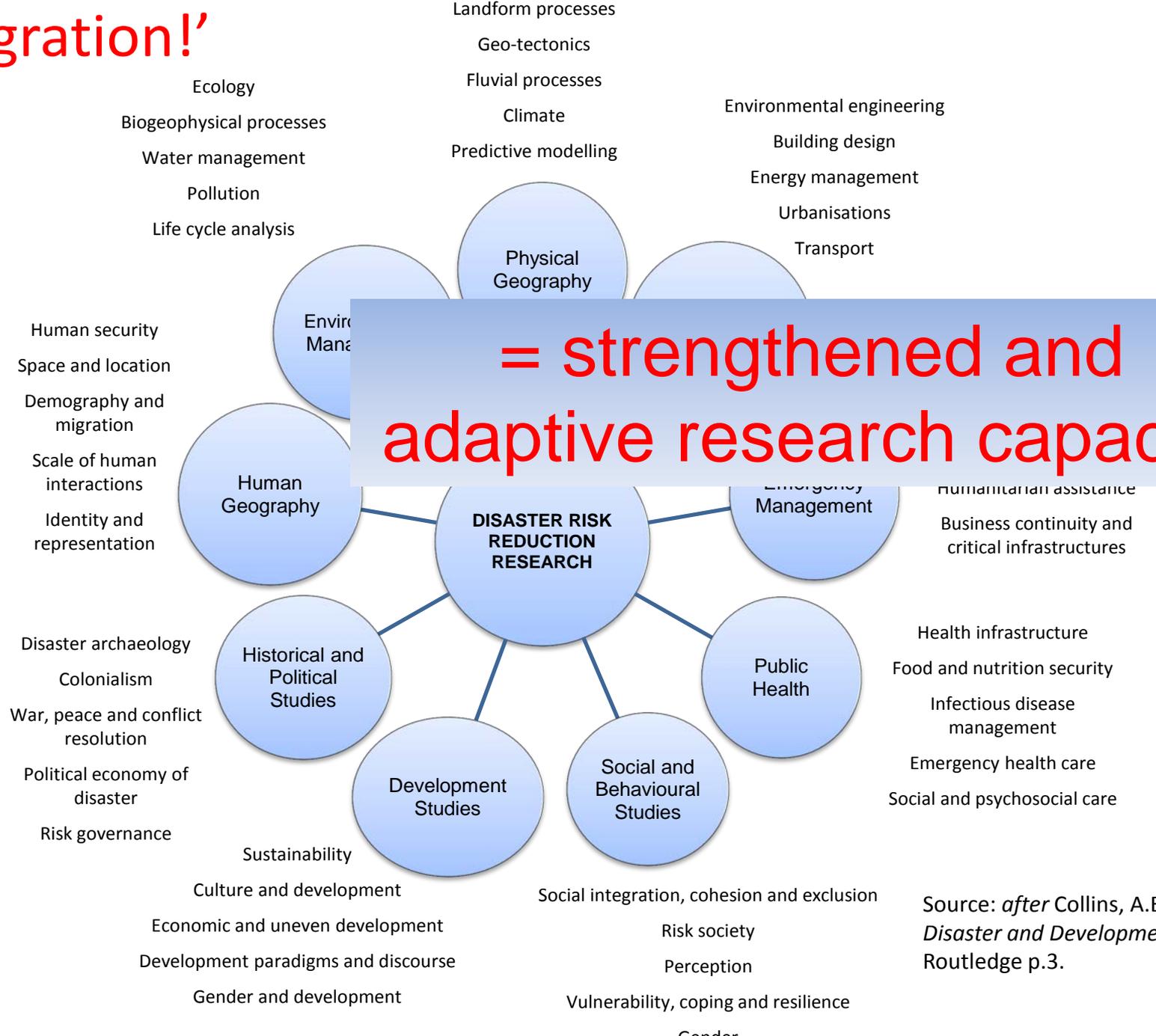
**DPRI, Kyoto University 24<sup>th</sup> March, 2012**

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

# What we know

- Disaster Risk Reduction research is an interdisciplinary domain
- Investment in DRR research is insufficient
- Parameters of a DRR research domain are not known – it is dynamic with ever increasing additional fields that require further research
- There are multiple groups that engage with DRR research, but hitherto they lack an alliance with each other

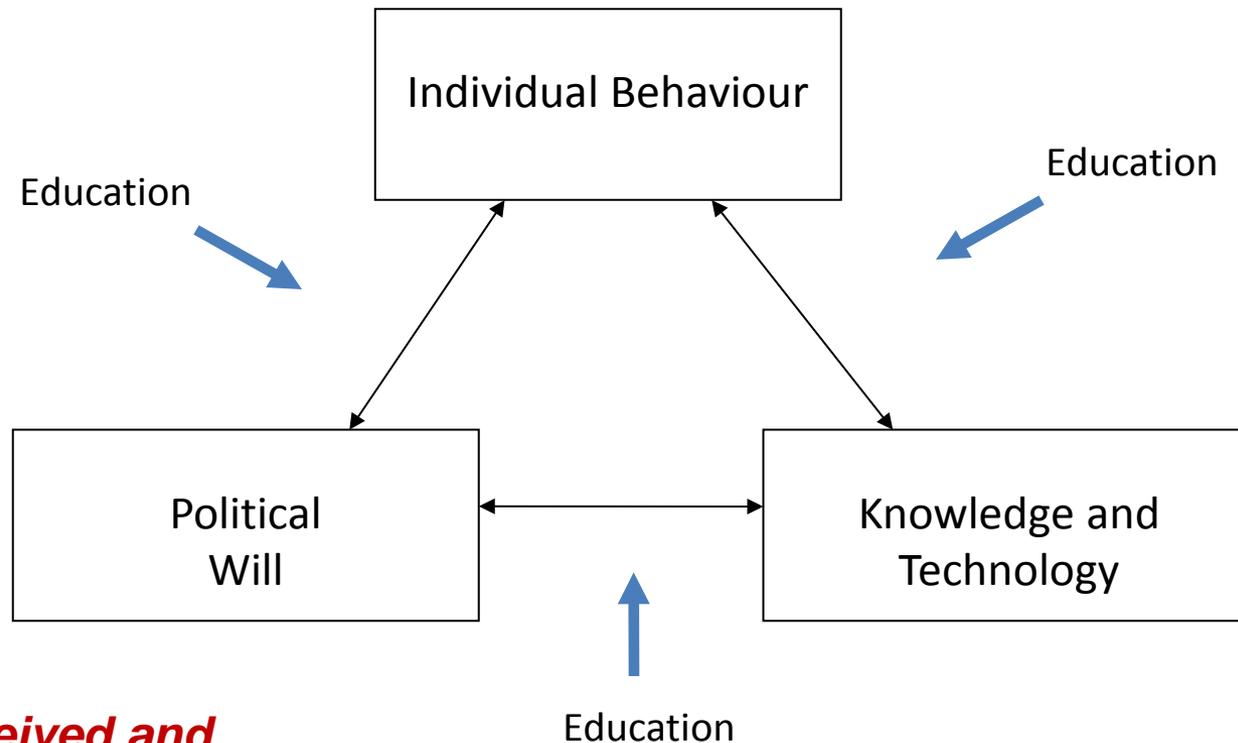
# 'Integration!'



**= strengthened and adaptive research capacity**

Source: *after* Collins, A.E. (2009) *Disaster and Development*, Routledge p.3.

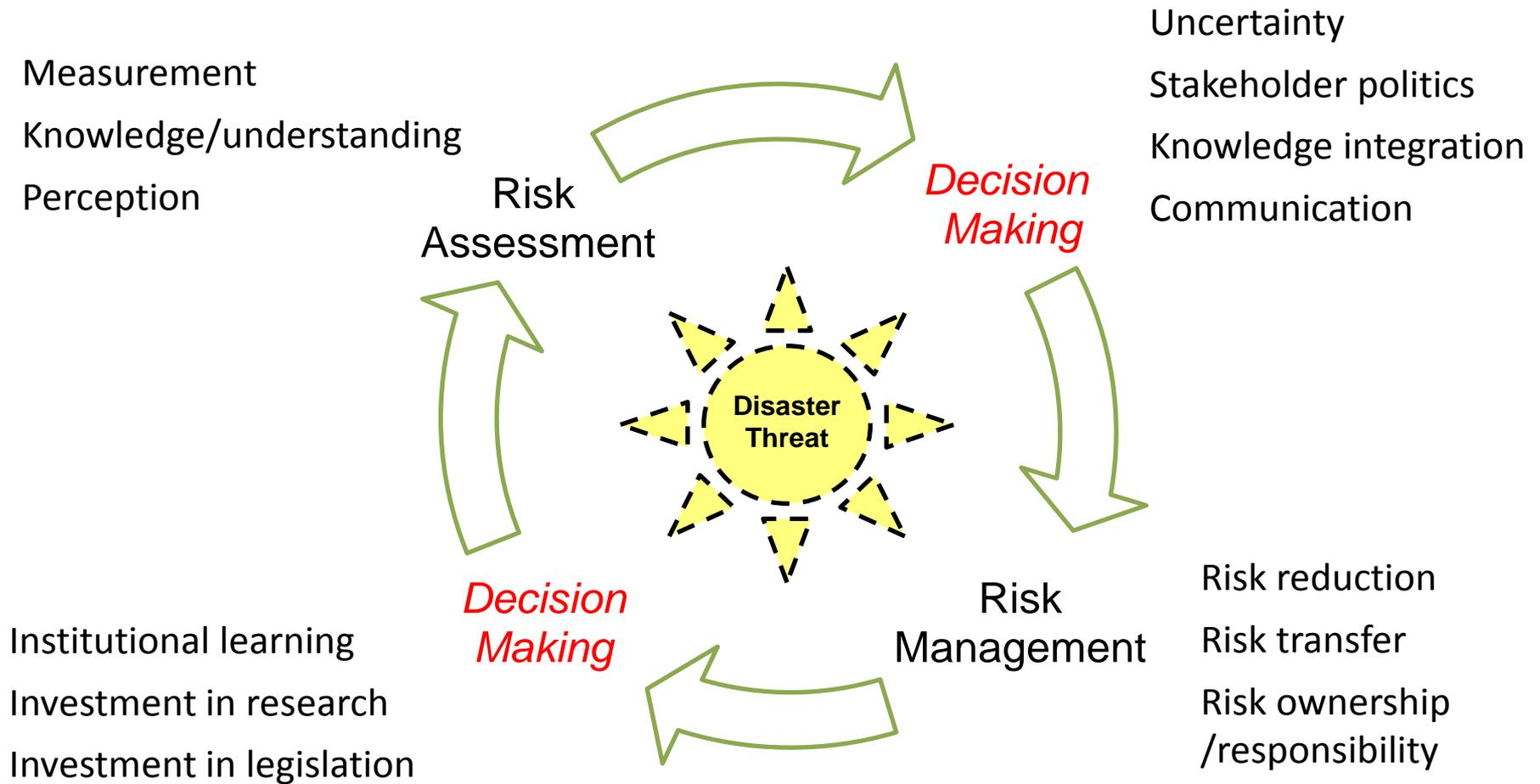
# Underlying influences on the *impact* of disaster risk reduction research



***Real, Perceived and  
Constructed***

Source: *after* Collins, A.E. (2009) *Disaster and Development*, Routledge p.151

# Research and educational influences on the risk reduction learning cycle



# Why a global alliance of research institutions?

- To face the DRR research and development needs of the present in a more effective manner?
- To address the consequences for future generations of too little or non-recognition of current DRR research?
- To draw from the depth and weight of an institutional collective?
- To provide moral, political and technical support to each other?

## Further rationale

- From inactive or unrecognised research - to research for action and potential impact
- No current *collective* of academic research institutions in DRR
- Embedded recognition of growing responsibilities of centres and institutes that pursue DRR research

# Further rationale

- An enabling collective armed with empirical research that informs positions of power and influence
- Mutual peer review support for institutions and policies
- Encouraging external investment in DRR research institutions – i.e. addressing why the demand for DRR research is not being met

# What might it resemble?

- An Alliance
- A Collective
- A Union
- An Association
- ...

# Some Potential Features

- A group of institutions that accompany the necessary expansion of the DRR research effort
- An alliance pushing back negative consequences of competitive working between academies – potentially also contributing to more cooperative working beyond the academy
- Facilitator of a framework to guide new researchers maintaining DRR memory and continuity when continuity is needed

# Some inevitable queries

- Academic and Research Institutions only?
- What about individual pioneers in the academy who have no DRR type institution?
- Financing?
- Steering?

There will be more q's to add to disucussion...

- ...



# **Presentation 1: Vision and Contribution to GADRI - Disaster Risk Reduction and Resilience to Disaster based on the Case of the Disaster and Development Network**

Open Discussion Forum on GADRI Projects and Activities  
**23rd March, 2016 - Kyoto University**

Prof. Andrew E. Collins

Department of Geography / Disaster and Development Network (DDN)

Northumbria University

[andrew.collins@northumbria.ac.uk](mailto:andrew.collins@northumbria.ac.uk)

# Establish a global research network

*e.g. DDN Northumbria aims to contribute to GADRI research networking through:*

- Disaster and Development Network (DDN)
- Science and Technology Advisory Group (STAG) of the United Nations
- Integrated Disaster Risk Management Society (IDRiM)
- Enhanced Learning and Research for Humanitarian Assistance (ELRHA)
- UK Alliance of Disaster Risk Reduction Research Institutions Linked to the UK Disasters Research Group.



# Provide a research road map, plans and organization of disaster research groups

*DDN Northumbria aims to contribute to a GADRI research agenda through:*

- Development of community based DRR and related risk and planning methodologies
- Emergent thematic fields, such as Health Centred Disaster Risk Reduction (HCDRR), Risk and Conflict, CCA through DRR and further people centred research topics
- Transdisciplinary case study areas in UK, South Asia, Africa ...
- The Japan – UK Disaster Risk Reduction Study Programme (established 2006).

# Promote capacity development of disaster research institutes and enhance researcher and student exchange

*DDN, Northumbria aims to contribute to capacity development through:*

- Postgraduate student opportunities for exchange with GADRI member institutions and GADRI related activities
- Post-doctoral internships
- Potential joint teaching and learning programmes
- Appointment of Northumbria Visiting Professors
- Recruitment of DDN External Research Affiliates
- Support to 'The Youth Voice' – an initiative of the Student lead Disaster and Development Society (DDS)

# Promote exchange and sharing of data and information for scientific research across the globe

*DDN, Northumbria aims to contribute through:*

- Updates of relevant publications and ease of access to these
- GADRI related sessions of the annual Dealing with Disasters Conference (DwD) – Sierra Leone 2016, Durham 2017, Bangladesh 2017/2018
- Collaborative research meeting updates
- Linking GADRI to other Europe and Africa based exchange networks.

# Serve as an advocacy organization to present views in an effort to influence decision-making processes

*DDN, Northumbria aims to contribute by:*

- Promoting the call for global funding investments in DRR research through high level meeting opportunities with nation states, international organisations and the private sector
- Endorsing GADRI related policy drives for disaster risk reduction and resilience to disaster as supported by evidence based research.

# Some Underlying Principles Driving GADRI (1)

- Disaster Risk Reduction and Disaster Resilience is an *interdisciplinary domain* with *unknown parameters* and ever increasing additional research needs.
- DRR research and development need to be *effectively applied* - institutional collectives generate the *moral, political and technical support* to do so.
- Progress in research should *inform positions of power* and this generates opportunities for *impact* on disaster risk reduction and disaster resilience.

## Some Underlying Principles Driving GADRI (2)

*An alliance of institutions:*

- Offers *cooperative* (as opposed to competitive) working between and beyond its members
- Facilitates a *framework to guide* new researchers in an expanding field
- Maintains *DRR institutional memory*, to enable maximisation of previous effort.



# Global Alliance of Disaster Research Institutes

[www.gadri.net](http://www.gadri.net)

# Introduction of GADRI



# GADRI

Global Alliance of  
Disaster Research Institutes

Hirokazu Tatano

Secretary General, Global Alliance of  
Disaster Research Institutes  
(GADRI)

Professor, Disaster Prevention  
Research Institute (DPRI), Kyoto  
University

# Introduction of GADRI

<http://www.gadri.net/>

- Our organization – who we are.
- Our mission - why we are.
- Our actions - what we do.

# Who we are

- GADRI stands for **G**lobal **A**lliance of **D**isaster **R**esearch **I**nstitutes

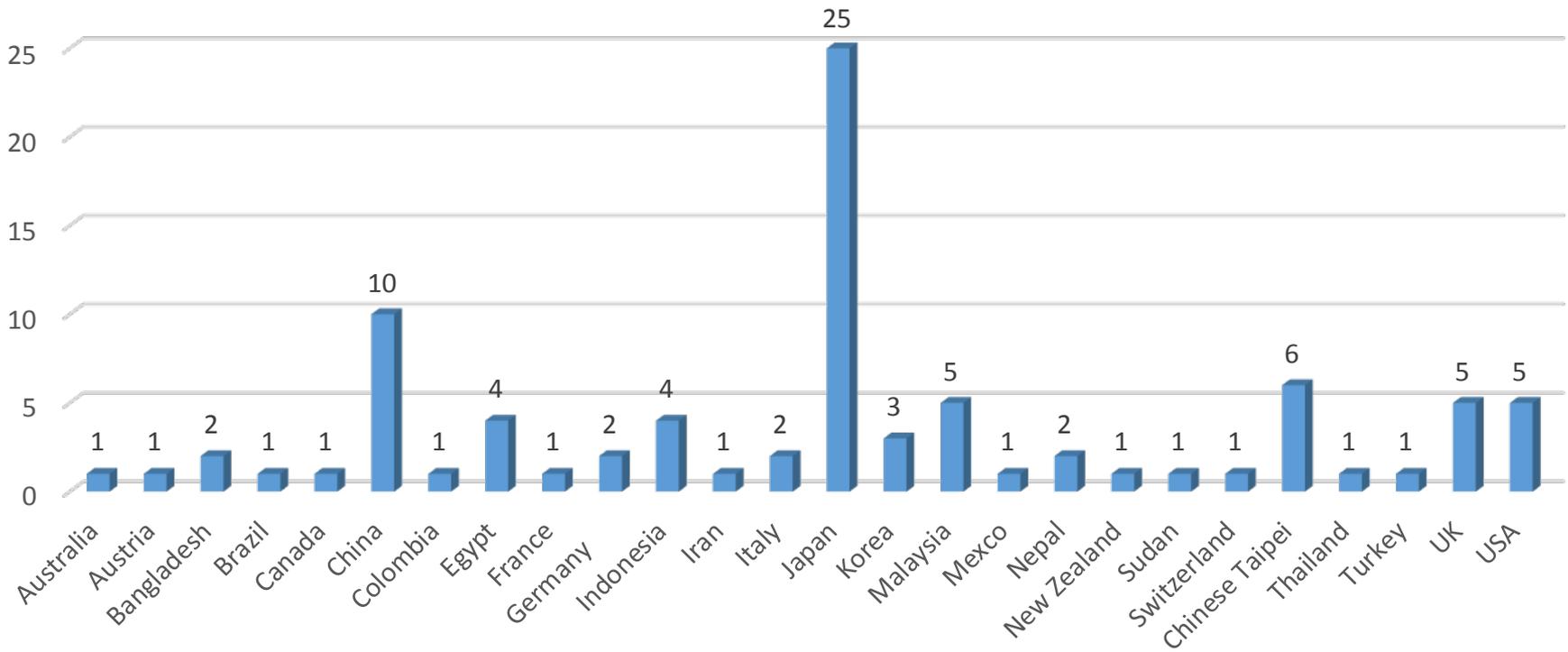
# Who we are

- GADRI has been established as the outcome from the second Global Summit of Research Institutes for Disaster Risk Reduction.



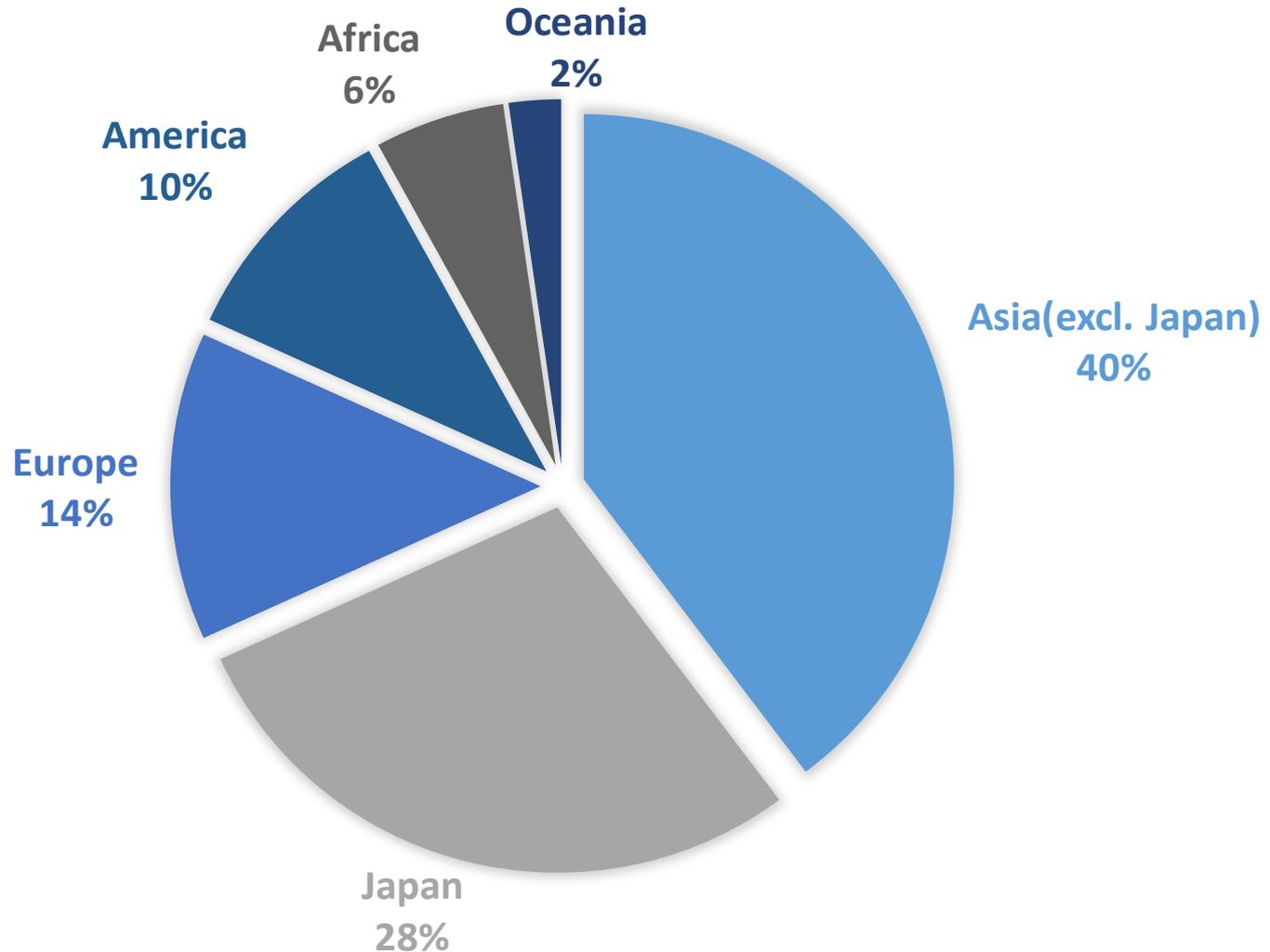
# Who we are

- GADRI currently consists of 91 member institutes around the world. (@2016.3.23)

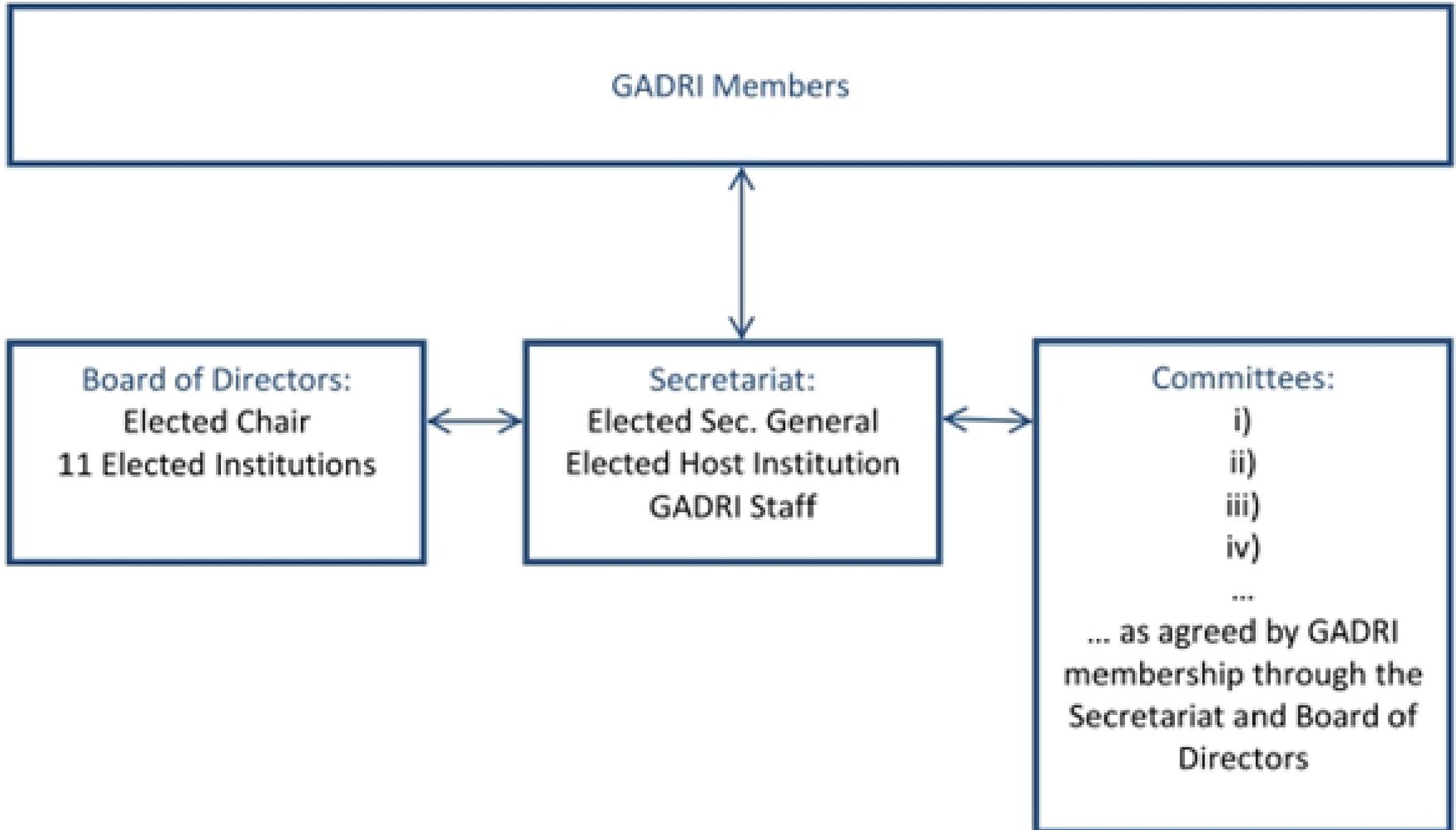


# Who we are

- GADRI currently consists of 91 member institutes around the world.



# GADRI Structure



# the Chair of the GADRI BoD



## Andrew Collins

Professor of Disaster and Development, Department of  
Geography / Disaster and Development Network (DDN),  
Northumbria University, United Kingdom

# List of Board of Directors

<i>Institute / University</i>		<i>Director and/or Contact Person</i>
<i>Europe and Africa</i>		
1	European Commission Joint Research Center	Mr. Stephen Lechner, Director
2	International Institute for Applied System Analysis (IIASA)	Dr. Stefan Hochrainer-Stigler (Elected by Director as BoD representative)
3	Disaster and Development Network (DDN), Northumbria University	Prof. Andrew Collins, Director
<i>Asia and Oceania</i>		
4	International Research Institute of Disaster Science, Tohoku University	Prof. Yuichi Ono on behalf of Director, Prof. Imamura
5	National Research Institute for Earth Science and Disaster Prevention (NIED)	Prof. Koji Suzuki, Executive Director, and Prof. Masatoshi Okouchi on behalf of the President
6	National Science and Technology Center for Disaster Reduction (NCDR)	Dr. Wei-Sen Li, Secretary General
7	GNS Science	Dr. Kelvin Berryman, General Manager on behalf of the Director
<i>Americas</i>		
8	Institute of Geography, National Autonomous University of Mexico (UNAM)	Prof. Irasema Alcántara-Ayala
9	Natural Hazards Center, University of Colorado- Boulder	(Dr. Kathleen Tierney, Director – retired end December 2015)
10	Pacific Earthquake Engineering Research Center (PEER), University of California, Berkeley	Prof. Khalid Mosalam, Director
<i>Secretariat</i>		
11	Disaster Prevention Research Institute (DPRI), Kyoto University	Prof. Hirokazu Tatano, Secretary-General, GADRI

# the Secretary-General, GADRI



## Hirokazu Tatano

Professor of Disaster Prevention Research Institute  
(DPRI), Kyoto University, Japan

# Why we are

## **Article 1. Name and vision (from charter under drafting)**

### 1.2. Vision

Deepening our understanding of disasters and finding implementable solutions to achieve a disaster resilient world by integrating knowledge and technologies from around the world.

# Why we are

## **Article 2. Purpose**

2.1 GADRI seeks to contribute to enhancing disaster risk reduction and disaster resilience in close collaboration among organizations around the world through the sharing of information, knowledge, experiences and ideas on disaster research.

# Why we are

## **2.2 GADRI Objectives**

To achieve the above purpose, GADRI has the following objectives:

- (a) to establish global research network
- (b) to provide a road map, plans and organization of disaster research groups
- (c) to promote capacity development of disaster research institutes and encourage researcher and student exchange
- (d) to promote exchange and sharing of data and information for scientific research across the globe
- (e) to serve as an advocacy organization to speak with one voice in an effort to influence decision making processes

# What we do

## **Article 3. Activities**

GADRI will engage in the following activities:

- 3.1 Planning and organization of collaborative disaster risk research initiatives
- 3.2 Formation of international research groups to investigate current global disasters, and implement new research methodologies
- 3.3 Establishment of an international network for timely communication related to natural disaster research
- 3.4 Organization of conferences, workshops and meetings
- 3.5 Dissemination and sharing of information, publications, reports, data, etc.
- 3.6 Facilitating rapid reconnaissance field surveys following disasters
- 3.7 Preparation of GADRI news releases, policy recommendations, news bulletins, research reports, and other publications.

# What we do – GADRI projects

## **(1) Flagship/Cross-Cutting project**

Projects which aims at development of methodologies, information platforms and materials which can be shared among GADRI members.

...e.g. Risk assessment platform, Identification Research Gaps in DRR

## **(2) Thematic project**

Projects which deal with research topics to enhance collaboration between members of GADRI who share interest in a same thematic research field.

...e.g. Natech Research, Seismic Risk Mitigation, Geohazard Risk Reduction, Climate Change Adaptation

## **(3) Trans-disciplinary/area-specific project**

Projects deals with case studies to solve real world problems in a specific case study area.

...e.g. flash flood and water resource management in Arabic region

But, it's not limited to research activities!

### i. Flagship/Cross Cutting Projects

- Post-Disaster Data Collection
- Risk Assessment Platform
- Capacity Building
- DRR-IMPASSE “Disaster Risk Reduction Implementation Assessment”

- Prof. Jim Mori, and / or Prof. Charles Scawthorn, PEER
- Dr. Kazuyoshi Nishijima, Associate Professor
- Dr. Subhajyoti Samaddar, Programme Specific Associate Professor
- Prof. Irasema Alcántara-Ayala, Visiting Professor

### ii. Thematic Projects

- Natural Disaster-triggered Technological Disasters (NaTech)
- Geohazard Mitigation on the New Innovation in Science and Engineering (GEMINI)
- Climate Change Adaptation

- Prof. Ana Maria Cruz
- Dr. Yuki Matsushi, Associate Professor
- Prof. Eiichi Nakakita, Vice Director, DPRI

### iii. Transdisciplinary and Region Specific Projects

- Flash Floods in Arab Region

- Prof. Tetsuya Sumi, and Dr. Sameh Kantoush, Associate Professor

# Activities

- GADRI Web: <http://www.gadri.net>
- Open Forum
- GADRI Pamphlet
- GADRI NEWS LETTER
  
- GADRI Open Discussion Forum, March 23,2016
  
- The Third Global Summit of Research Institutes for Disaster Risk Reduction (3GSRIDRR) March 2017.

# Open Discussion Forum: GADRI Projects and Activities

Disaster Prevention Research Institute (DPRI), Collaborative Research Hub-3F, Kyoto University  
Kyoto, Japan - 23 March 2016



# Aims of the Forum

- to introduce GADRI activities
- to facilitate discussion between GADRI members and important stakeholders in disaster risk reduction
- to find directions for GADRI to proceed in the next few years

# Next Plan for action

- The third Global Summit of Research Institute for Disaster Risk Reduction (3GSRIDRR) will be 3days during March 13<sup>th</sup>-25<sup>th</sup>.

# Relationship between IRDR and GADRI

- We share the direction of organizational contribution for DRR.
- IRDR is Research Program supported by ICSU, ISSC and UN-ISDR but GADRI is Alliance of Disaster Research institutes.
- From GADRI, we would like to ask IRDR be a collaborating institution of GADRI.

## Article 4: Membership

4.1 Institutes with an aim to contribute to the advancement of disaster research, and those working in the field of disaster risk reduction are eligible to become members of GADRI.

4.2 Those interested institutes should complete the membership form and submit it to the Secretariat for approval.

4.3 For the purpose of sharing knowledge and promoting collaboration, GADRI may designate, on grounds of excellence related to disaster research implementation for risk reduction, certain institutions and centers as **associated institutions/collaborating institutions**, on terms and conditions to be decided by the Board of Directors.

4.4 At present, there is no membership fee charged to members.

Thank you for your attention.