

STAG (Science Technology Advisory Group): Key Updates

Rajib Shaw
Chair, STAG

A new STAG was formed in 2017 September

Functions (from STAG TOR)

- Act as UNISDR Global Ambassadors and advocates for the Sendai Framework.
- Provide guidance to UNISDR on global trends related to the implementation of Sendai Framework, in particular on the **expanded scope of hazards**.
- **Promote and support the coherent implementation** of the Sendai Framework and other global and regional frameworks and initiatives such as the Paris Climate Agreement and the 2030 Agenda by developing linkages with other relevant fora and networks.
- Catalyze innovation and partnership **to generate new knowledge** on disaster and climate risk.
- Engage in relevant global and regional processes such as the **Global and Regional Platforms**, the Science, Technology and Innovation Forum (STI Forum), HLPF and UNFCCC COPs, in collaboration with the UN Science & Technology Major Group.
- Carry out **periodic reviews of the S&T Roadmap**, recommend strategic engagement and provide analytical input for its implementation.
- Lead the work around select **global thematic focus areas** through time-bound global Working Groups.
- Contribute to **capacity building** on disaster risk reduction by promoting the **science- policy interface** i.e. translating knowledge into action.
- Ensure **use of regional results and priorities at the global level** and disseminate as appropriate using individual networks and other relevant constituencies.

Positioning STAG

- Internal
 - STAG working Group (Data, Economics, Natech, Capacity building)
 - Regional STAG (Asia, America, Africa, Arab, Europe, Pacific)
- External
 - Science Technology Partners (211 from 58 countries)
 - Science Technology Major Group
 - ISC and IRDR

STAG Composition

(Science Technology Advisory Group)

- 21 Members from
 - Asia, Africa, Americas, Caribbean, Europe, Pacific
 - Members from UNESCO and UNU
 - Members from research consortium
 - Members from Young scientist group
 - Chair: Rajib Shaw, Japan
 - Vice Chair: Victor Manuel García Lemus, Guatemala
 - Vice Chair: Najla Romdhane, Algeria

Capacity building / development:

(Coordinators: Ailsa Holloway, Annisa Triyanti/ Irina Rafliana)

Members: Flavia Schlegel, Helene Jacot des Combes,
Rajib Shaw, Antonia Yulo Loyzaga

Data

(Coordinators:
Andrew Collins,
Ian Clark)

Members:

Craig McLearn
Thomas Kariuki
Carlos Machado de Freitas
Victor Manuel García Lemus
Flavia Schlegel

Natech

(Coordinators:
Helene Jacot des Combes,
Irina Rafliana)

Members:

Royol Chitradon
Rajib Shaw
Ailsa Holloway
Najla Romdhane
Guoyi Han

Economics

(Coordinators:
Wadid Erian,
Jacob Rhyner)

Members:

Lucía Guadalupe Matías
Ramírez
Eva Alisic
Antonia Yulo Loyzaga
Annisa Triyanti
Maarten Van Aalst

Focal Points (external relations)

IRDR: Rajib Shaw and Ailsa Holloway; **IPCC:** Maarten Van Aalst, Helene Jacot des Combes, Rajib Shaw; **Synthesis report:** Guoyi Han and Rajib Shaw; **SDG:** Rajib Shaw and Ailsa Holloway)

Regional STAG: Members from the region

Data Group

Specific Focus Area

- Bridging the DATA gap and DATA capacity at national level to feed into the Sendai Framework Monitor
- Identifying the specific data issues for private sector and insurance
- Data coordination between different owners of new and emerging technologies

Action Plan

- Consultation with partners (IRDR, Co-DATA)
- Structured survey on data gap and capacity
- A synthesis report to be prepared by GP 2019
- Specific data issues partnership with ST partners

Economics Group

- **Sustainable Finance a key for Reducing Economic Losses caused by Disasters**
 - Develop innovative market based insurance solutions for developing countries
 - Promote disaster resilient infrastructure investment
 - Support the development of an initiative to integrate disaster risk reduction considerations into the financial system, including through engagement in the Financing for Development discussions, integration of disaster risk into laws and regulation and UNFCCC’s work on loss and damage
- Activity 1.1 **Awareness raising** Risk–Resilience nexus related finance for benefits across the crisis prevention/recovery goals
- Activity 2.1 **Technical assistance** to develop institutional capacities, policy response and community action for mainstreaming disaster risk
- Activity 3.1 **Technical assistance to commercial financial institutions**, to develop financial products and services that support financing for climate mitigation and adaptation and for SDGs through an impact-based approach
- Activity 3.2 Provide Technical assistance to scale up Risk – Resilience nexus related finance for benefits across the crisis prevention/recovery goals, as well as International financial institutions IFIs, impact investors, philanthropists, crowd-funding and other sources

NATECH Group

- Review the framework, address gaps and challenges,
- Understand the root causes including the social aspects of technologies, needs for capacity development and key advocacy messages, and
- Elaborate discussions on the role of new technologies and its contributions to Natech risk reduction

- Updated framework with specific advocacy message
- Roadmap for capacity building

Capacity building

- Scoping report on higher education
- Explicit and inclusive consultation process
- Robust review of relevant literature
- Coarse mapping of successful models
- Link to regional university networks

New Journal: Progress in Disaster Science Open Access

Editor-in Chief: Professor Rajib Shaw, Graduate School of Media and Governance, Keio University

Associate Editor: Dr Takako Izumi, the International Research Institute of Disaster Science (IRIDeS), Tohoku University / Director, APRU Multi-Hazards Program

Goal

Progress in Disaster Science is a new Open Access Journal focusing on integrating research and policy in disaster research, and publishes:

- Invited Viewpoint articles focusing specifically on the advancement and implementation of the four priority areas of the Sendai Framework for Disaster Risk Reduction.
- Original Research Papers (author submissions) on disaster risk reduction; response; emergency management and recovery.

The inaugural Volume (and other early issues) will engage a diverse group of academics, senior policy makers, private sector and civil society practitioners – reflecting the key issues of disaster risk reduction and response/rehabilitation they are engaged in. The Inaugural Volume will be officially launched at the Global Platform for Disaster Risk Reduction in May 2019.

We are delighted to invite authors to submit their Original Research Papers in the Disaster Science field, especially those that cover new innovations and approaches (See scope below).

The key criterion is that all papers submitted should report substantial progress in the field.



Fully Open Access:
No Article Publishing Charges
for Volumes 1 and 2

Progress in Disaster Science

Topics and structure

With a focus on highlighting progress in the field of Disaster Science, the journal welcomes Original Research Articles and Review Papers on different aspects of disaster risk reduction; response; emergency management and recovery – in the following subject areas:

- **Disaster response:** Crisis/emergency response, disaster relief, search and rescue, response coordination, response preparedness, response plan, relief/response assistance, relief/response activities/ efforts, evacuation center, relief and NGO coordination, relief and cluster approach, shelter management, disaster health response, water sanitation in evacuation center;
- **Disaster recovery:** Recovery plan, disaster rehabilitation, disaster reconstruction, build back better, recovery planning, relocation, SPHERE standard, post disaster temporary housing, disaster recovery and livelihoods, disaster recovery and health, community recovery;
- **Disaster preparedness:** Emergency/response preparedness, preparedness plan, early warning, awareness raising for disasters/disaster risk reduction, disaster education, evacuation drills, disaster preparedness tools, hazard mapping, disaster risk maps;
- **Disaster risk reduction:** Risk management, risk mitigation, risk prevention, community-based disaster risk reduction (CBDRM), risk assessment, vulnerability/ capacity assessment, DRR policy, risk transfer, multi-hazards, building resilience, urban disaster resilience, vulnerability reduction, disaster root causes, Health-EDRM (Health Emergency and Disaster Risk Management) and disaster nursing, disaster laws and governance.

Please contact the Editors for more details.

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