



*Pre-Event for 2025 GPDRR & 2025 IRDR Young Scientists Lumos (2<sup>nd</sup>)*

*UTC 8:00-9:00 (16:00-17:00 Beijing time), 1 June, Online*

## **Localization of the Global Agenda: DRR solutions from young professionals**

### **Concept Note and Agenda**

#### **Registration link:**

[https://zoom.us/webinar/register/WN\\_xippKqDLsy2Ptz7eKo5xtw](https://zoom.us/webinar/register/WN_xippKqDLsy2Ptz7eKo5xtw)

## **1. Rationale**

To enhance the connection and promote the innovations and actions of IRDR young scientists, IRDR IPO designs a mechanism of “IRDR Young Scientists Lumos<sup>1</sup>”, which will be webinars, sessions, meetings, or discussions mainly organized and participated in by young scientists and young professionals in the global disaster risk reduction (DRR) community.

In order to contribute to the [2025 Global Platform on Disaster Risk Reduction](#), IRDR will co-organize several online workshops with DRR partners to present the innovations of young professionals from multi-stakeholders.

The topic of this Lumos is “Localization of Global Agenda: DRR solutions from young professionals”. It highlights how young scientists and professionals translate global disaster risk reduction frameworks, such as the Sendai Framework for Disaster Risk Reduction, into concrete, practical actions at the local and community levels. It emphasizes innovative approaches tailored to local contexts, such as community-based

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<sup>1</sup> Lumos: a wand-light charm in Harry Potter series. This charm is used to create light and reveal hidden things. Lumos here means that the young scientists create innovations and generate the impacts to the world.

early warning systems, nature-based solutions for climate resilience, and grassroots education initiatives that raise disaster awareness among vulnerable groups. This topic aligns with the cross-cutting theme of 2025 GPDRR “**Accelerate action for our collective sustainable future**” and the priority of the [global risk science research framework](#) “**Support regional and national science and knowledge for policy and action**”.

It is expected that through the discussion, the innovation cases from young professionals will be visualized and acknowledged by the global DRR community.

## 2. Structure and tentative Agenda

It will be a one-hour online workshop. Three young professionals from different regions will be invited to share their cases. Leading scientists and experts will be invited to give comments and suggestions. All participants will have 30 minutes of discussion.

**Moderators:** Hanif Ibadurrahman Sulaeman, Fang Lian

**Commentator:** Nuraini Rahma Hanifa

**Item 1:** IRDR and U-INSPIRE welcome the participants and introduce this Lumos. (5 min)

**Item 2:** Presentations from young professionals (Each case will have 6 minutes for presentation and 4 minutes for comments)

- **Fatemeh Rezaei**, Isfahan University of Medical Sciences, case “*Designing a Resilience Network for Inter-organisational Partnerships in Disasters*”
- **Bernhard Garn**, MATRIS Research Group, case “*Enforcing Sequential Diversity in Disaster Scenario Generation*”
- **Jeevan Madapala**, Rajiv Gandhi University of Knowledge and Technology, case “The Tiffin-Box: Insights from an intervention to build community owned heat health warning systems”

**Item 3:** Q&A and discussions (30 minutes)

**Item 4:** Wrap-up and announcement of next Lumos.

### 3. Profile of speakers



**Fatemeh Rezaei** is an Assistant Professor at Isfahan University of Medical Sciences, where she specialises in Health in Disasters and Emergencies. She holds a PhD and a Master's degree in Health Management from the same university. Her research focuses on risk and disaster management, community-based strategies, climate change, and vulnerable populations. Dr. Rezaei is actively involved in national and international research, consults for UN-affiliated organisations, and serves as adjunct faculty at Yenepoya University in India.



**Bernhard Garn** is a research scientist specializing in applied mathematics, with a focus on design theory and its cross-disciplinary applications. His expertise spans combinatorial mathematics for software testing, information security, and discrete mathematics in disaster research. He holds a BSc, Dipl.-Ing., and a PhD in Technical Sciences from TU Wien in Austria. Dr. Garn is dedicated to translating theoretical mathematical insights into practical solutions, bridging the gap between abstract mathematics and real-world challenges.



**Jeevan Madapala** is an Assistant Professor at RGUKT Srikakulam and a PhD scholar at Amrita Vishwa Vidyapeetham. His research focuses on sustainable watershed management, climate resilience, and disaster risk reduction. He integrates traditional knowledge with modern strategies and has presented at many global forums. Jeevan advocates for nature-based solutions, community engagement, and evidence-based policy, contributing to international initiatives such as ICCROM's Net Zero: Heritage for Climate Action in Jodhpur.

## 4. Organizers

This Lumos is organized by **IRD** and **U-INSPIRE** with the support of **ISC, UNDRR, BRIN** and other partners.

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**Connect:** [connect@irdinternational.org](mailto:connect@irdinternational.org), [uinspire.alliance@gmail.com](mailto:uinspire.alliance@gmail.com)

**Meeting Link:** [https://zoom.us/webinar/register/WN\\_xippKqDLSy2Ptz7eKo5xtw](https://zoom.us/webinar/register/WN_xippKqDLSy2Ptz7eKo5xtw)

**Note:** After registering, you will automatically receive a confirmation email containing information about joining the meeting.