ICoE-Coherence's Forthcoming Events

◆ December 8, 2025

International Advisory Board (IAB) Meeting (NIED Tokyo Meeting Room/Zoom)

IAB Members

Name	Affiliation	Sector	Area	Expertise
Jonathan Abrahams	Monash University	University	Pacific	Public Health
Nuraini Rahma Hanifa	National Research and Innovation Agency (BRIN)	National Institution	Asia	Geohazard Risk and Resilience
Kazuko Ishigaki	UN-Habitat Regional Office for Asia and the Pacific	International Organization	Asia (Japan)	Disaster management
Takeshi Komino	Church World Service (CWS) Japan	CBO	Asia (Japan)	CBDRR
Ryan Lanclos	Esri	Private company	North America	GIS
Dominik Lang	NGI	Research institute	Europe	Geohazard
Wei-Sen Li	NCDR	Public institute	Asia	Disaster management
Patricia Sanchez	UPLB	University	Asia	Hydrology/ Environmental science
Keiko Tamura	Niigata University	University	Asia (Japan)	Disaster recovery

***Professor Saini Yang from the IRDR International Programme Office has also been invited as a special guest for both events.**

◆ December 9, 2025

Academic Forum

***For further details, please refer to the following pages.**

Academic Forum

The Future of Global Disaster Risk Reduction: Strengthening the Resilience of Megacities through Science, Technology and Innovation (STI)

December 9, 2025, 10:30 AM – 5:00 PM (Japan Time)
Hybrid format: SCJ Auditorium (Nogizaka, Tokyo) and YouTube

- **Organizer: Science Council of Japan (SCJ)**
- **Co-organizer: Japan Hub of Disaster Resilience Partners (JHoP/ICoE-Coherence)**
- **National Research Institute for Earth Science and Disaster Resilience (NIED)**

Session 1: Lessons Learned from Recent Disaster Events

Session 2: Strengthening Resilience of Megacities Facing Catastrophic Disaster Risks

Session 3: The Future of Global Disaster Risk Reduction and Management

Purpose of the Academic Forum

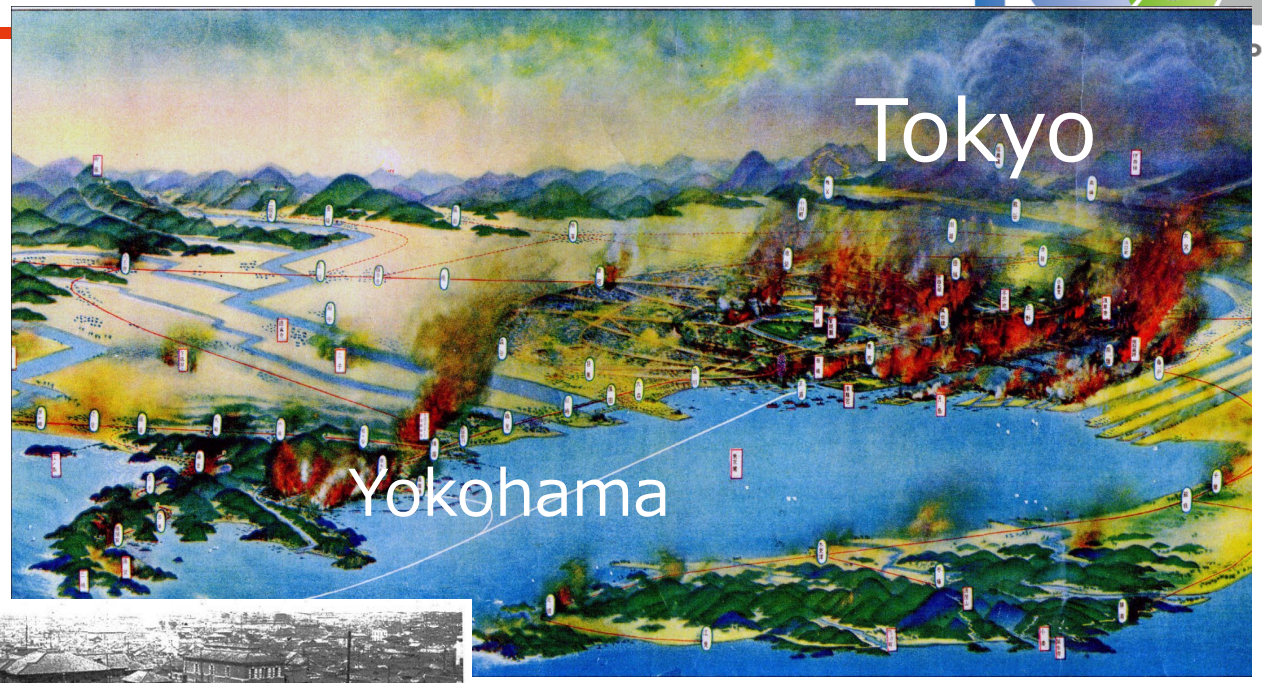
- **To discuss The Future of Global Disaster Risk Reduction, based on The Science Council of Japan's Recommendation (Under Review): Science, Technology and Innovation to Strengthen Disaster Resilience in Megacities Facing Catastrophic Disaster Risks.**

- **To share insights from SCJ's Advisory Opinion: Preparing for Wide-area Disasters Based on the Lessons from the Noto Peninsula Earthquake and Torrential Rains, promoting understanding of how past disaster experiences can inform future resilience strategies.**

- **To strengthen international and interdisciplinary collaboration for building disaster-resilient and sustainable societies.**

Earthquake Disaster in Japan's Megacities

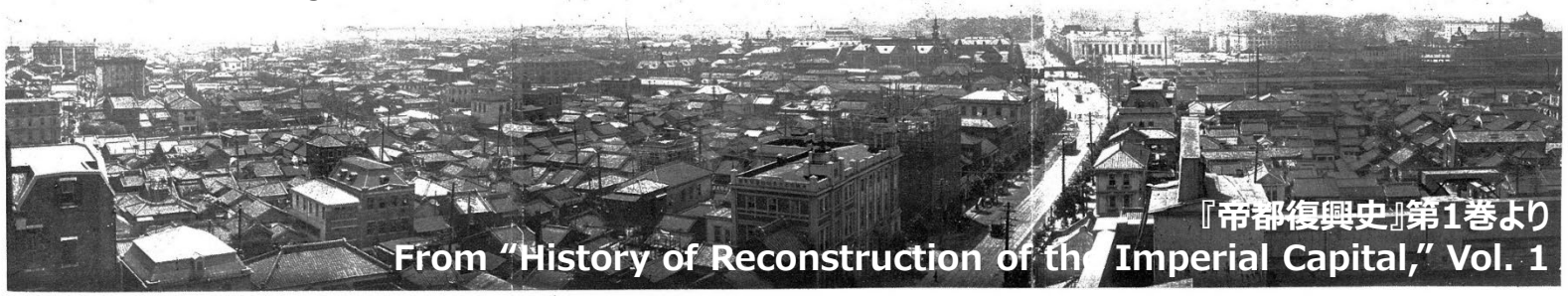
In the **1923 Great Kanto Earthquake**, which struck **the Tokyo Metropolitan Area, about 105,000 people lost their lives or went missing**, causing extensive damage: equivalent to 366.7 % of the national budget.



吉田初三郎作
Drawn by YOSHIDA Hatsusaburo

Central Tokyo before EQ

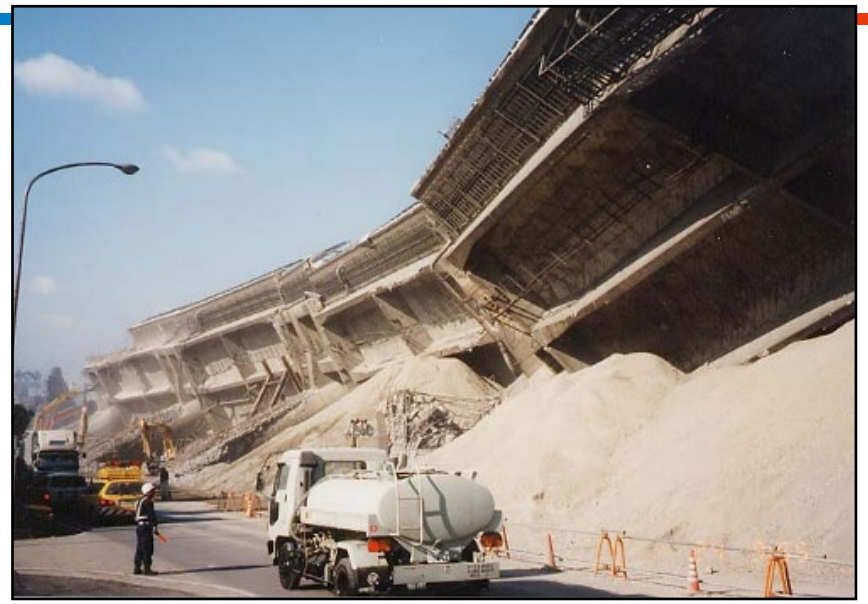
Central Tokyo (Ginza, Nihonbashi and Kanda) after EQ



『帝都復興史』第1巻より
From "History of Reconstruction of the Imperial Capital," Vol. 1

These pictures were presented By Prof. TAKEMURA Masayuki , Nagoya Univ., at Sustainability Conference 2023, SCJ, Tokyo

Earthquake Disaster in Japan's Megacities



In the **1995 Great Hanshin-Awaji Earthquake**, which struck **the southern part of Hyogo Prefecture in the Kinki Major Metropolitan Area (M.M.A.), 6,437 people lost their lives or went missing**, causing extensive damage: 13.5 % of the national budget.

Photos: Courtesy of Prof. NAKANO Yoshiaki, NIED

Technology and Innovation to Strengthen Disaster Resilience in Megacities Facing Catastrophic Disaster Risks

Why are we formulating this recommendation?

The number of megacities in the world increased from three in 1970 to 33 in 2018 and is projected to reach 43 by 2030. Additionally, a significant number of today's Large cities are expected to evolve into the megacities of the future, making disaster resilience an increasingly critical global challenge.

Many Megacities in the Asia-Pacific region have prioritized economic development over risk-informed urban planning in the course of their growth, resulting in vulnerability to catastrophic disasters.

Promoting "Risk-Informed Development," the goal of IRDR, is essential for both urban design and disaster response.

Through this initiative, Megacities should serve as models for enhancing resilience across the region.

Collaboration among IRDR, the Science Council of Japan (SCJ), and JHoP/ICoE-Coherence

International Science Council

UNDRR

IRDR
Integrated Research on Disaster Risk

Phase Ⅱ：2022～2031

- Scientific Committee (SC)
- International Programme Office (IPO)
- National Committees（NC）
- International Centres of Excellence (ICoE)
- Young Scientists Programme

JHoP 防災減災連携研究ハブ
Japan Hub of Disaster Resilience Partners

Chair: Kaoru Takara
Secretariat: NIED

20 Organizations

IRIDeS 東北大学 災害科学国際研究所	東京大学地震研究所
CIDIR 東京大学CIDIR	東京大学 地球環境データコモンズ
GRIPS SciREXセンター	新潟大災害・復興科学研究所
名大減災連携研究センター	京都大学防災研究所
京都大学ユネスコチェア	香川大学 四国危機管理教育・研究・地域連携推進機構
九州大学 九大アジア防災研究センター	レジリエンス研究教育 推進コンソーシアム
NIED 防災科研	JAMSTEC (MAT)
ICHARM ICHARM	人と防災未来センター DRI
JBPA 日本防災プラットホーム	埼玉大学 レジリエント社会研究センター
日本赤十字看護大学付属 災害救護研究所 (DMRI)	CWMD 熊本大学 くまもと水循環・減災研究教育センター

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International Advisory Board(IAB)

Monthly Joint Task-Force Meeting

日本学術会議 SCIENCE COUNCIL OF JAPAN

- Science Council of Japan
- Committee on Civil Engineering and Architecture
- Subcommittee on IRDR
  Chair: Kaoru Takara

IRDR NC

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