

- **Interdisciplinarity** with researchers from engineering, science, humanities and social sciences, medicine, and disaster risk reduction specialists collaborating to pursue world-leading research
- **Practicality** that directly aims at building a resilient society and helping those affected by disasters



The logo of IRIDeS is the kanji 災 (disaster) turned upside down, showing our determination to "turn disaster into good fortune."

Risk Evaluation and Disaster Mitigation Research Division

- Subduction Earthquake Lab
- Inland Earthquake and Volcano Lab
- Earthquake Engineering Lab
- Computational Safety Engineering Lab
- Tsunami Engineering Lab
- Disaster Geo-informatics Lab
- Oceanic, Atmospheric and Outer Space Disaster Lab
- Disaster Robotics Lab

Disaster Humanities and Social Science Division

- Disaster Culture and Archive Studies
- Preservation of Historical and Cultural Heritage Lab
- Cognitive Sciences Lab
- International Strategy for Disaster Mitigation Lab
- Regional Resilience Planning Lab
- Spatial Design Strategies Lab

Disaster Medical Science Division

- International Cooperation for Disaster Medicine Lab
- Disaster Medical Informatics Lab
- Radiological Disasters and Medical Science Lab
- Disaster Psychiatry Lab
- Disaster Obstetrics and Gynecology Lab
- Disaster Public Health Lab
- Infectious Diseases Lab
- Oral Health and Disaster Medicine Lab

Practical Research and Collaboration Division

- Disaster Education Research and Implementation Lab
- Disaster Resilient Society Promotion Lab
- International Research Collaboration Office
- 2030 Global DRR Agenda Office
- Resilient EICT Research Promotion Office

Endowed Research Division

- Earthquake Induced Tsunami Risk Evaluation Lab (Tokio Marine and Nichido Fire Insurance)
- Earthquake Disaster Prevention for Urban Areas Lab (OYO Corporation)

Joint Research Division

- AEON Disaster-Resilient and Environment-Friendly City Creation Joint Research Lab
- Nippon Koei Resilient City with Digital Twin Technologies Joint Research Lab

Co-creation Center for Disaster Resilience

Global Centre for Disaster Statistics

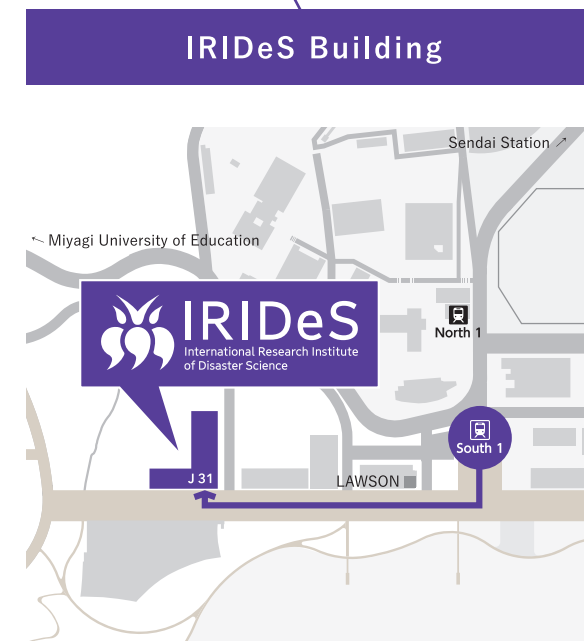
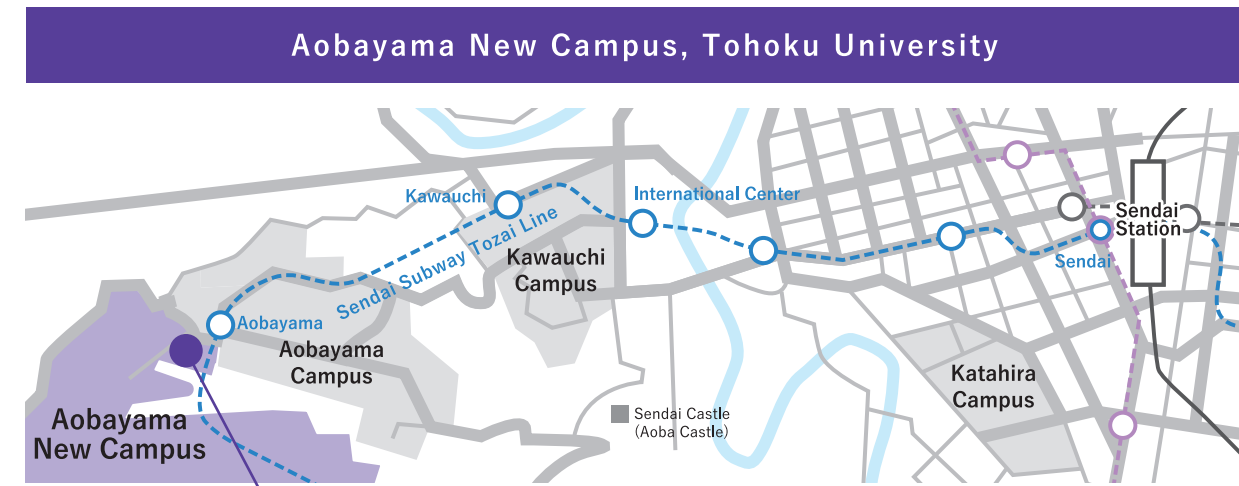
Kesennuma Satellite Office

Administration Office

Public Relations Office

April 2012	IRIDeS established at Tohoku University, with Prof. Arata Hirakawa as its first Director
April 2013	Satellite Office was established in Kesennuma City, Miyagi Prefecture
April 2014	Prof. Fumihiko Imamura becomes the second Director of IRIDeS
March 2015	Supported The Third UN World Conference on Disaster Risk Reduction held in Sendai. Sendai Framework for Disaster Risk Reduction 2015-2030 adopted as a global agenda.
April 2015	IRIDeS and United Nations Development Programme (UNDP) establish the Global Centre for Disaster Statistics
From 2017	The "World Bosai Forum/ International Disaster Risk Conference" starts to be held in Sendai City biannually
April 2022	Co-creation Center for Disaster Resilience was established at IRIDeS
October 2022	Held a ceremony to commemorate the 10th anniversary of IRIDeS with the commemorative publication.
April 2023	Prof. Shinichi Kuriyama becomes the third Director of IRIDeS

ACCESS



SUBWAY
Take the Sendai Subway Tozai Line from Sendai Sta., get off at Aobayama Sta. and walk for 3 min. from South 1 Exit.

TAXI
20 min. from Sendai Sta. by taxi (approx. 1,600 yen, depending on conditions).



IRIDeS, Tohoku University

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E-mail: irides-syomu@grp.tohoku.ac.jp
Public Relations Office | TEL: +81-22-752-2049
E-mail: koho-office@irides.tohoku.ac.jp



9-1 Hajikamisemukai, Kesennuma, Miyagi 988-0246
Free parking available. Accessible also via public transportation. For more information, visit the following website.
<https://kesennuma-memorial.jp/english/>

International Research
Institute of
Disaster Science

SENDAI
IRIDeS



GREETINGS

Director and Professor of IRIDeS, Tohoku University
Shinichi Kuriyama



We contribute to the creation and accumulation of disaster science the world needs, share our gained knowledge swiftly with others, and practice it locally and globally.

The International Research Institute of Disaster Science (IRIDeS) was founded approximately one year after the 2011 Great East Japan Earthquake and Tsunami, as Tohoku University's newest research institution. The Great East Japan Earthquake and Tsunami of March 11, 2011, left approximately 20,000 people dead and devastated much of East Japan. Learning from this experience, Tohoku University launched IRIDeS in April 2012, aiming at preventing catastrophes in the future.

IRIDeS brings together researchers and specialists in diverse areas, including engineering, science, humanities and social sciences, medicine, and disaster risk reduction, to cooperate across disciplinary boundaries. Our mission is to contribute to creating knowledge in disaster science that the world needs, to share the knowledge gained with others swiftly, and put it into practice locally and globally. In collaboration with related institutions in

Japan and abroad, IRIDeS has been committed to elucidating the mechanisms of disasters, including the Great East Japan Earthquake and Tsunami, supporting people and areas affected by disasters, implementing disaster education, and promoting the global agenda of the "Sendai Framework for Disaster Risk Reduction 2015-2030."

Whereas the areas affected by the 2011 disaster are entering a new phase of recovery, society is facing increasingly severe disasters due to climate change and significant earthquake risks in various regions. The most important goal of IRIDeS is to help those who have been affected by disasters, including the Great East Japan Earthquake and Tsunami, and those who may be affected by future disasters. We will continue to work toward building a resilient society and achieving disaster risk reduction for each individual. We look forward to your continued support in the future.

PHILOSOPHY

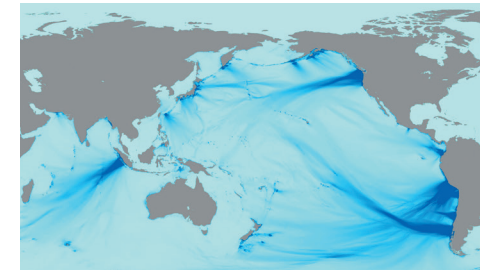
Founding principles based on lessons learned from the Great East Japan Earthquake and Tsunami

- 1 Bring together the wisdom of Tohoku University to contribute to the recovery of the disaster area. Help people affected by disasters, including the Great East Japan Earthquake and Tsunami.
- 2 Promote the Sendai Framework for Disaster Risk Reduction 2015-2030 and other global agendas, contributing to disaster reduction in the world.
- 3 Create and accumulate knowledge of disaster science the world needs in cooperation with relevant organizations in Japan and abroad. Share our gained knowledge swiftly with others and practice it locally and globally.

ORGANIZATION

Risk Evaluation and Disaster Mitigation Research Division

Conducts advanced research on disaster evaluation and response, both in Japan and abroad, through the integration of science and engineering. This division also presents concrete proposals that will lead to disaster risk reduction.



Disaster Humanities and Social Science Division

Contributes to disaster risk reduction and recovery by studying regional societies across the globe, in particular in their relation to human mind and behavior, architecture, social infrastructure, in order to pass on lessons learned to future generations.



Disaster Medical Science Division

Conducts research on the continuum between pre-disaster to recovery, aiming at establishing disaster medicine for wide-area and complex disasters, and introducing the latest science and technology to the field.



Practical Research and Collaboration Division

Works both on practical studies and on application of research outcomes through regional and international cooperation, contributing to the implementation of the Sendai Framework for Disaster Risk Reduction.



Endowed Research Division

Conducts research and education activities with donations from corporations.

Joint Research Division

Aims at practical use of research outcomes, working with funds and researchers from companies.

Co-creation Center for Disaster Resilience

Builds "convergence of knowledge" with diverse stakeholders to maximize disaster resilience.

Global Centre for Disaster Statistics

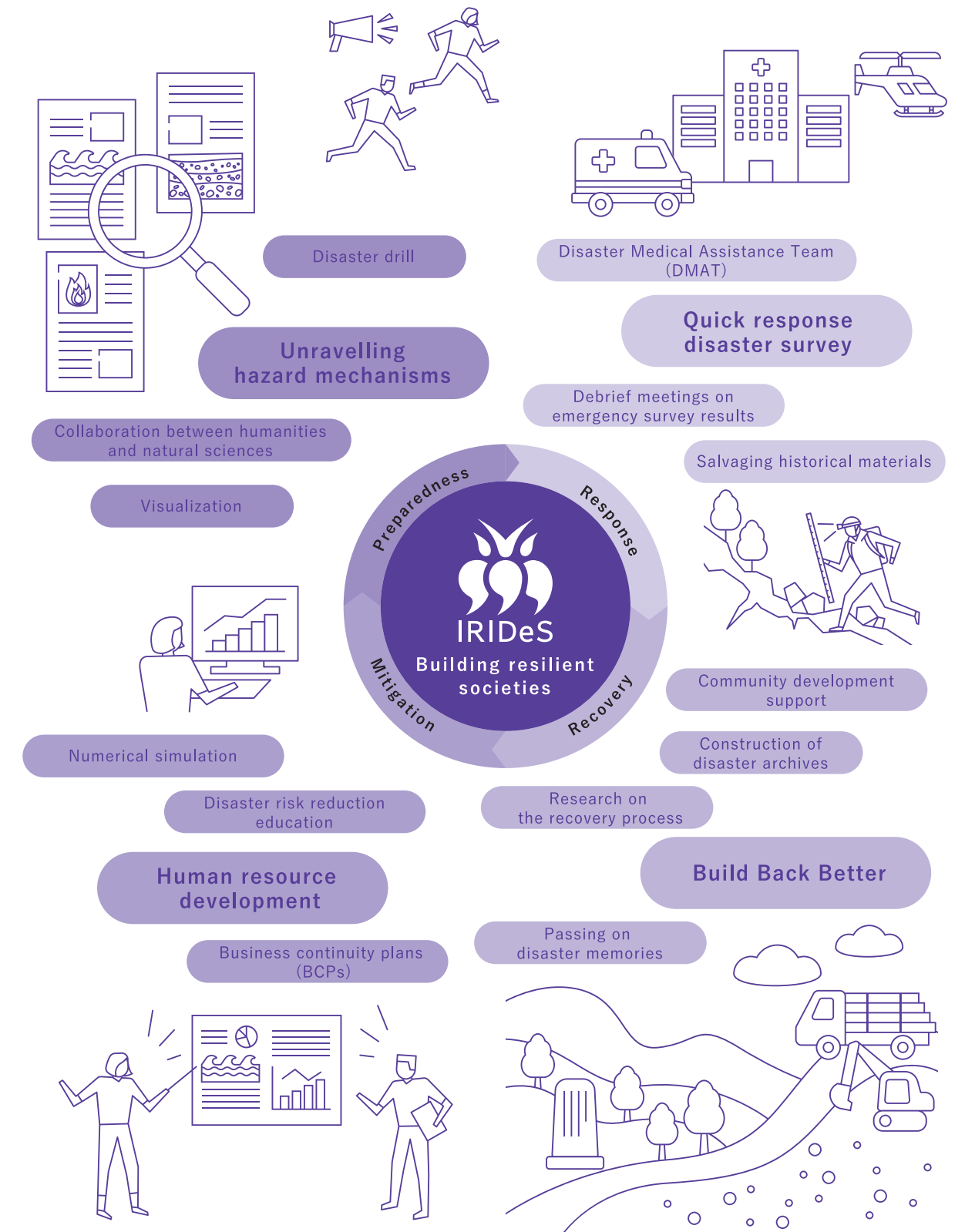
Contributes to global disaster risk reduction by collecting and analyzing disaster statistics.

Kesenuma Satellite Office

Shares research results and advances exchanges with practitioners and citizens.

IRIDeS INITIATIVES

With our most important goal to help people affected by disasters, including the Great East Japan Earthquake and Tsunami, we promote the Sendai Framework for Disaster Risk Reduction 2015-2030 and other global agendas, aiming at building a resilient society.



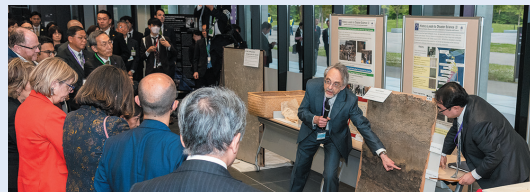
IRIDeS UPDATES

Recent news

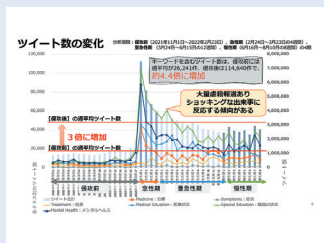
Held the World BOSAI Forum 2023 and made recommendations for the interim assessment of the UN High-Level Meeting



G7 Science and Technology Ministers visited IRIDeS

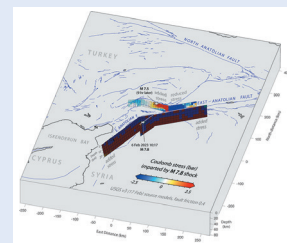


Analysis of Twitter in Ukraine under Russian Aggression



Survey and Analysis of Turkey-Syria Earthquake:

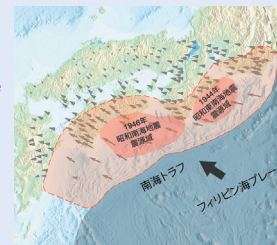
M7.5 Earthquake was triggered 9 hours later by stress transferred from the first M7.8 Earthquake



Held a symposium "Cultural heritage and resilience: Learning from global trends in post-disaster cultural heritage conservation activities"

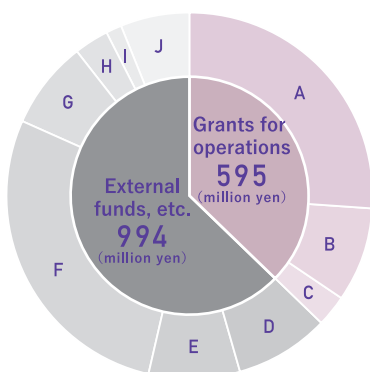


Calculated the probability for successive occurrence of Nankai megathrust earthquakes



For more information, please visit the IRIDeS website: <https://irides.tohoku.ac.jp/eng/>

FY 2022 financial report



1,589 million yen

● A Grants for operations (Faculty personnel expenses)	415
● B Grants for operations (Education and research expenses)	136
● C Grants for operations (Functional enhancement expenses)	44
● D Indirect expenses	131
● E Grants-in-Aid for Scientific Research	128
● F Commissioned research expenses	447
● G Cooperative research expenses	121
● H Commissioned project expenses	50
● I Other grants	21
● J Donations	96
	(million yen)

Number of faculty & staff members

As of June, 2023

225

69 Fulltime Faculty

- 24 Professors ● 23 Associate Professors ● 2 Lecturers
- 18 Assistant Professors ● 2 Research Associates

36 Adjunct Faculty

- 22 Professors ● 11 Associate Professors ● 1 Lecturers
- 2 Assistant Professors

19 Specially Appointed Professors (Visiting) and Specially Appointed Associate Professors (Visiting)

80 other members including Senior Researchers, Researchers and Technical Assistants

21 Administration Office staff members

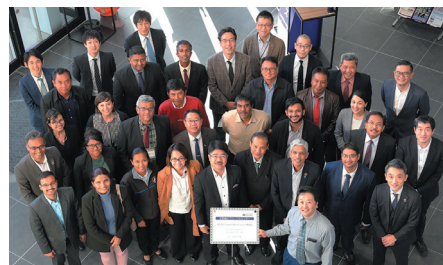
IRIDeS UPDATES

International collaborative projects

In cooperation with the United Nations and universities and research institutes around the world, we promote cutting-edge research and practice in the fields of disaster science and disaster risk reduction.



China, Egypt, France, Germany, Indonesia, Nepal, New Zealand, Peru, Taiwan, Thailand, UK, USA, and international organizations



Global Centre for Disaster Statistics
led by Tohoku University, and United Nations Development Programme (UNDP).

- Established the International Research Collaboration Office
- Convene the World Bosai Forum
- Lead the APRU disaster risk reduction activities
- Work with AIWEST

Collaborative projects in Japan

We support recovery of areas affected by the Great East Japan Earthquake as well as disaster risk reduction activities of local communities.

- Community planning
- Evacuation drills
- Disaster risk reduction education



Kesennuma Satellite Office
Promotes regional collaboration

■ MoUs with local governments and educational institutions

● Local governments

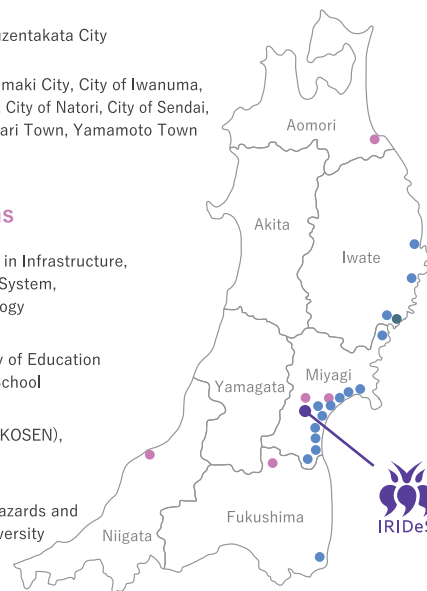
- Iwate Prefecture**
Miyako City, Otsuchi Town, Rikuzentakata City
- Miyagi Prefecture**
Higashi Matsushima City, Ishinomaki City, City of Iwanuma, Kesennuma City, Marumori Town, City of Natori, City of Sendai, Shiogama City, Tagajo City, Watari Town, Yamamoto Town
- Fukushima Prefecture**
Iwaki City

● Educational Institutions

- Aomori Prefecture**
Research Center for Technology in Infrastructure, Disaster Reduction and Social System, Hachinohe Institute of Technology
- Miyagi Prefecture**
311 DRR-LIFE, Miyagi University of Education, Miyagi Prefecture Tagajo High School
- Fukushima Prefecture**
National Institute of Technology (KOSEN), Fukushima College
- Niigata Prefecture**
Research Institute for Natural Hazards and Disaster Recovery, Niigata University

● Museum

- Iwate Prefecture**
Iwate Tsunami Memorial Museum



(As of May 2023)



We provide places to share outcomes of our research and practices with the public and to develop collaboration with diverse stakeholders

Public Events

We hold symposiums and other open events with various themes related to disaster and disaster risk reduction.

Exhibition Spaces

The 1st and 2nd floors of the IRIDeS building are open to the public to display aspects of current research.

Others

Participation in Tohoku University Katahira Festival and Open Campus/Hold symposiums

Please check the IRIDeS website for the latest information.