

# Advancing international collaborative research and promoting research integrity: An analysis of stakeholders' perspectives between Sweden and Japan

MIRAI is a collaboration between 17 Swedish and Japanese universities, aiming to contribute to long-term research collaboration and to promote Sweden and Japan as nations of world-leading large-scale research infrastructure.



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## Statement of the Problem

- Internationalization in higher education & Internationalization in research
- "Responsible Internationalization"
- International collaborations in a project between Sweden and Japan
- Collaborations (international, national, institutional, and individual levels)

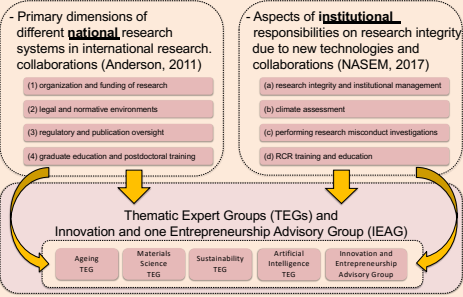
## Objective

- Emerging challenges and opportunities in international collaborations
- To analyze and compare perspectives of the key stakeholders
  - international perspectives (Sweden, Japan, and others)
  - interdisciplinary perspectives (disciplinary and interdisciplinary)
  - transdisciplinary perspectives (academic, professional, and others)

## History

- MIRAI (2017-2019)
  - 15 universities (7 Swedish & 8 Japanese)
  - Joint Statement on "Strengthening of Japan-Sweden Science and Technology Cooperation" signed in October 2018.
- MIRAI 2.0 (2020-2023)
  - 20 universities (11 Swedish & 9 Japanese)
  - Four Thematic Expert Groups (TEGs)
  - One Innovation and Entrepreneurship Advisory Group (IEAG)

## Conceptual Framework



## Methods & Results

- MIRAI Research and Innovation Week 2023 at Umeå University in Sweden



Source: <https://www.mirai.nu/>

- Participating universities in MIRAI (2024-2026)

- |  |  |
|--|--|
| <b>Sweden</b>  | <b>Japan</b>   |
| <ul style="list-style-type: none"> <li>• Umeå University (coordinating univ.)</li> <li>• Jönköping University</li> <li>• Karlstad University</li> <li>• Linnaeus University</li> <li>• Linköping University</li> <li>• Luleå University of Technology</li> <li>• Stockholm School of Economics</li> <li>• University of Gothenburg</li> <li>• Uppsala University</li> <li>• Örebro University</li> </ul> | <ul style="list-style-type: none"> <li>• Kyushu University (coordinating univ.)</li> <li>• Hiroshima University</li> <li>• Nagoya University</li> <li>• Okinawa Institute of Science and Technology (OIST)</li> <li>• Sophia University</li> <li>• Tohoku University</li> <li>• Waseda University</li> </ul> |

- Qualitative Research Methodology (Semi-structural interviews)
  - Administrators and Researchers (Sweden and Japan)
  - Semi-structural interviews (online or in-person)
  - 45 to 60 minutes (audio recording of interviews)
  - Ethics Committee for Research on Human Subjects (Sophia University)

- Data Analysis and Results
  - Advanced institutional partnerships (administrative networks)
  - Advising (study or research abroad destinations for students)
  - Authorized decision-making capacity
  - Institutional capacity (research environments, research support structure)
  - Communication challenges (institutional, national, international levels)
  - Data (Regulations and rules; EU and Japan)
  - Designated faculty representatives
  - Research targets & Faculty representatives (in a disciplinary research)
  - Top management engagement support (maintaining collaborations)

## Limitations

- The participating length in MIRAI
- Perspectives of administrators and researchers
- Aspects of leadership and research support
- Input & Output (institutional investment & collaboration outcomes)
- External factors influence university partnerships and relations
- COVID-19 discontinued in-person engagement (to online engagement)

## Key Findings & Discussion

- Findings at the National level
  - Incentives (Erasmus Mundus, Top Global University Project)
  - Collaborations among domestic administrators and researchers
  - National interests on collaborations (SASUF, SKERIC, RENKEI)
- Findings at the Institutional level
  - Open recruitment (representing researchers) and incentives (funding)
  - Intercultural communication (how to decide / what to discuss)
  - Research integrity (academic and professional backgrounds)
- Discussion
  - Top down and Bottom-up approaches
  - Funding agencies and foundations

## Next Steps

- Findings relating to structure and functions of research systems
  - Research Infrastructure
  - Research Operation & Management
  - Research Policies
- Common challenges in research integrity between Sweden and Japan
- Developing a course (research integrity) toward undergraduate students

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8<sup>th</sup> World Conference on Research Integrity  
Megaron Athens International Conference Centre  
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