



## Meeting the Center for Natural Hazards and Disaster Science, Sweden (2022/11/4)

Theme: Disaster Science, Research Collaboration

URL: <https://www.cnds.se/>

Professor Takako Izumi (International Strategy for Disaster Mitigation Lab) and Associate Professor Sébastien P. Boret (International Research Collaboration Office) visited the CNDS to discuss the possibility of establishing new research collaborations. They were accompanied by Dr. Jonas Joerin, their collaborator from Singapore ETH Center. They met several members of CNDS, including Andra Covaciu, Steffi Burchart, Department of Earth Science (Uppsala); Klas Hjort, Department of Materials Science and Engineering (Uppsala); Mikael Granberg, Department of Political, Historical, Religious and Cultural Studies (KAU); Bahri Uzunoglu, and Malin Götteman Department of Electrical Engineering (UU).

The **Centre of Natural Hazards and Disaster Science**, CNDS, was formed in 2010 when the Swedish Government marked natural hazards and disaster science as a strategic research area and is today a virtual center comprising ten departments from three universities (Uppsala University, Swedish Defence University, and Karlstad University). CNDS brings together researchers from all fields, including engineering, social and earth sciences, which innovate in studying natural hazards, socio-technological vulnerabilities, and societal security. CNDS's mission is to carry out work that promotes a more profound understanding of how human-nature systems and common feedback mechanisms between natural hazards and socio-technical vulnerability are coupled. Its other missions are to advance disaster risk reduction and enhance society's ability to prevent and cope with natural hazard risks in the national and international context.

Each team presented the development of the missions of each research institute and their interests to find common ground for future collaborations for research and education. They identified several fields of study:

1. Disaster medical science, human social response;
2. Vulnerability of minorities
3. Stakeholders and local communities,
4. Energy systems resilience and critical infrastructure interdependencies
5. Disaster resilience co-creation.

About education, they spoke of the possibility of joining their respective summer schools for disaster studies and co-supervising PhD students. Other potential activities include the organisation of joint conferences, workshops and research visits. Finally, they concluded that research and education projects would be a great opportunity to build on the two decades of collaboration between Uppsala University and Tohoku University.

Report: BORET P. Sébastien (International Research Collaboration Office)  
IZUMI Takako (International Strategy for Disaster Mitigation Lab)

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From left to right:

Malin Göteman, Bahri Uzunoglu, Jonas Joerin, Klas Hjort, Andra Covaciu,  
Mikael Granberg, Steffi Burchart, Takako Izumi, Sébastien P. Boret