

Creating an interdisciplinary environment for training early career scholars in natural hazards

Johanna Mård^{1,2} & Giuliano Di Baldassarre^{1,2}

¹ Centre of Natural Hazards and Disaster Science

² Department of Earth Sciences

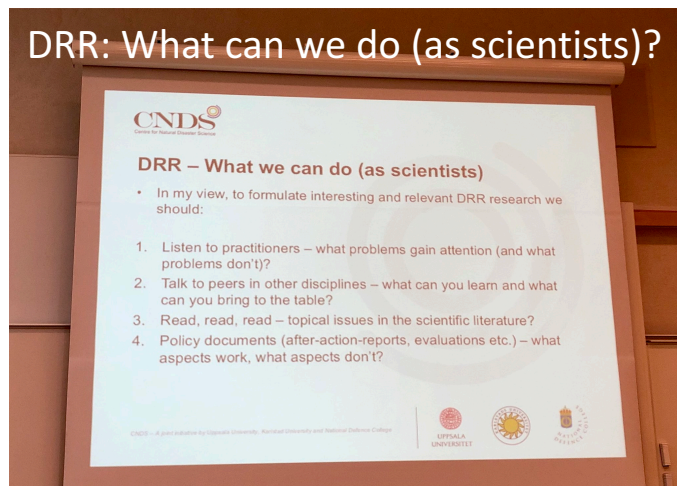
Uppsala University, Sweden

*CNDS – A joint initiative by Uppsala University, Karlstad University
and Swedish Defence University*

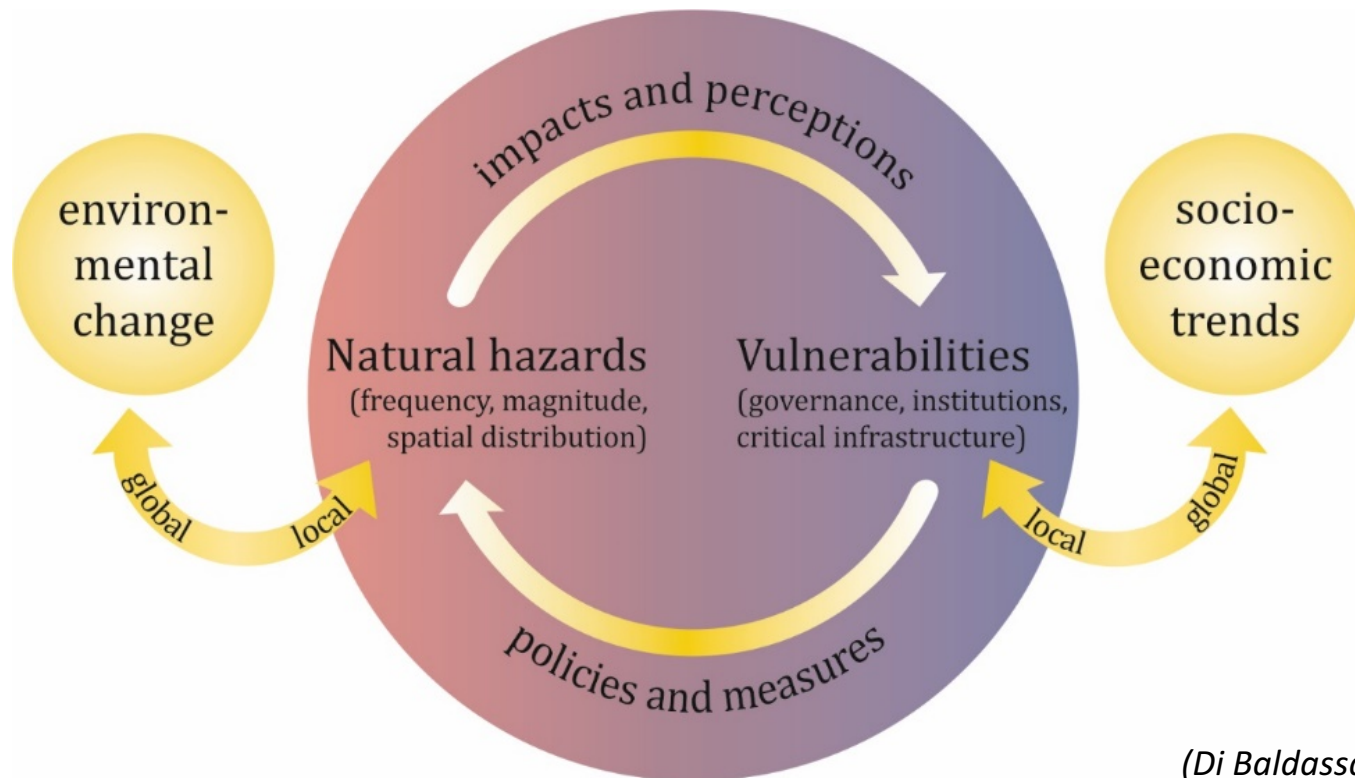


**Swedish
Defence
University**

We present our experience in training the next generation of early career scientists in the nexus of natural hazards and sociotechnical vulnerability, and present the challenges and opportunities of teaching natural hazards in an interdisciplinary setting



The **Centre of Natural Hazards and Disaster Science** (CNDS) is an interdisciplinary research centre in Sweden that brings together early career scientists and leading researchers from engineering, social and earth sciences to work together to understand coupled socio-natural systems and reciprocal feedback mechanisms between natural hazards and socio-technical vulnerability



CNDS Early Career Training

We have had over 30 PhD students graduating from the centre, and currently have 28 active early career scientists (11 postdocs and 17 PhD candidates)

CNDS has also contributed to the international educational curricula of natural hazards and disaster research through its international research summer school for doctorate students, which have been co-funded by EGU



Summer School – 2018

#CNDSsummer



Summer School – 2019

www.cnds.se

CNDS/EGU Summer School on Natural Hazards in the Anthropocene

This one-week course gathers **PhD students** in earth-, engineering- and social sciences to understand the dynamics and negative impacts of natural hazards as well as international crisis preparedness and social vulnerability

The course offers intensive training that will cover both fundamental concepts and up-to-date tools for **Disaster Risk Reduction** (DRR)

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CNDS/EGU Summer School on Natural Hazards in the Anthropocene

We explore DRR through the **disaster cycle** (mitigation, preparation, response and recovery), and together with senior researchers in the forefront of this field, students will discuss and propose solutions to complex problems in DRR

Main learning outcome:

Explain the **dynamics** and negative impacts generated by the **interplay of social vulnerability and natural hazards**

How: Lectures, Group work, Debates



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The goal of the group work is to formulate a research project proposal focusing on a clearly defined problem associated with any aspect of the disaster cycle in relation to one or several empirical cases

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CNDS/EGU Summer School on Natural Hazards in the Anthropocene

Opportunities

- Establish a network early in the career
- Exposed to new topics (disciplines)
- Grant writing skills and exercises
- Communication skills
- Diversity of students and lecturers

Challenges

- Working in multi-disciplinary groups
- Developing a common language and understanding
- Limited time for project development

In summary

The CNDS/EGU summer school provides a unique international forum to explore the diverse dynamics of disaster risk reduction

What is next?

Due to the ongoing Corona pandemic, we will not run a face-to-face course in 2020, instead we will have an **open CNDS Summer School webinar series in the end of August** (more information coming soon)