



NORDRESS

Nordic Center of Excellence
on Resilience and Societal Security



www.nordress.hi.is

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Institute for Sustainability Studies

Institute of Life and Environmental Sciences

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NORDRESS

NCoE under the Nordic Societal Security Programme



<http://www.nordforsk.org/en/news/two-new-nordic-centres-of-excellence-in-societal-security>

NORDRESS will focus on

- **Societal security and resilience under the impact of natural hazards** i.e. extreme weather, floods, landslides, avalanches, volcanic eruptions, forest fires, etc. as opposed to intentional (terrorism, war etc.) and manmade hazards (technological, industrial etc.)
- These are natural hazards impacting all the Nordic countries from local to trans-boundary levels.
- The study will be **interdisciplinary**, adopting methods and viewpoints of natural, social and health sciences.

15 Nordic partner institutions

Emphasis on
added Nordic value
by ensuring
transnational
participation in all
WPs

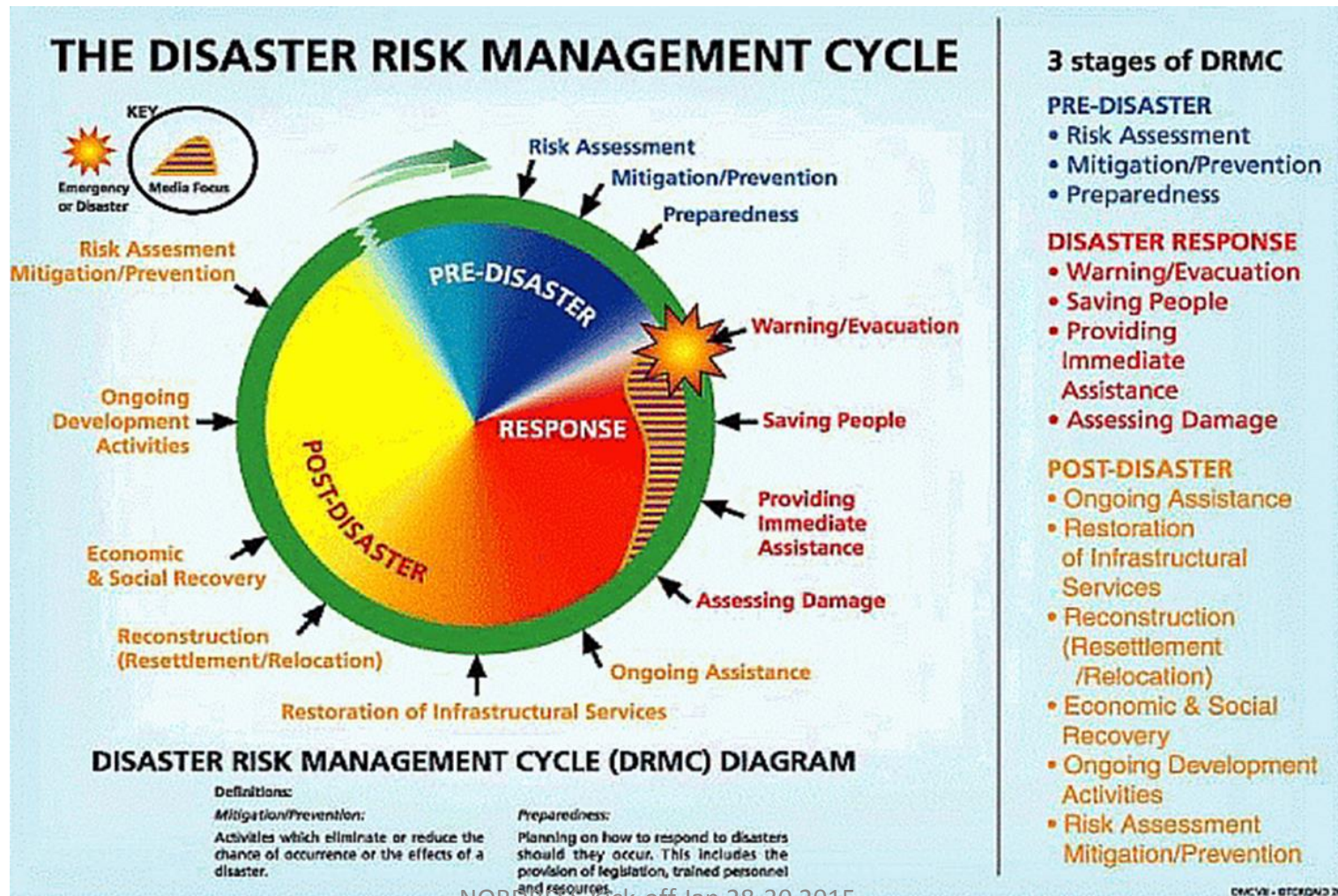
Participants	Country
UI - University of Iceland	Iceland
IMO - Icelandic Meteorological Office	Iceland
NCIP- Iceland Civil Protection and Emergency Management	Iceland
SAReye – Software for Search and Rescue	Iceland
CCP - Center for Crisis Psychology, Bergen	Norway
NTNU - Norwegian University of Science and Technology	Norway
NGI - Norwegian Geotechnical Institute	Norway
NOVA - Oslo and Akershus University College of Applied Sciences	Norway
GEUS - Geological Survey of Denmark and Greenland	Denmark
CBS – COPE Copenhagen Business School/Copenhagen Center for Disaster research	Denmark
SDU - National Center for Psychotraumatology, University of Southern Denmark	Denmark
FMI - Finnish Meteorological Institute	Finland
UEF - University of Eastern Finland	Finland
SGI - Swedish Geotechnical Institute	Sweden
MAH - Malmö University	Sweden

6 Nordic supporting institutions

Participants	Country
AAU - Aalborg University	Denmark
DEMA- Denmark Emergency Management Agency	Denmark
ICA - Iceland Construction Authority	Iceland
ICG - Icelandic Coast Guard	Iceland
KI - Karolinska Institutet, Stockholm	Sweden
STM - Ministry of Social Affairs and Health, Finland	Finland

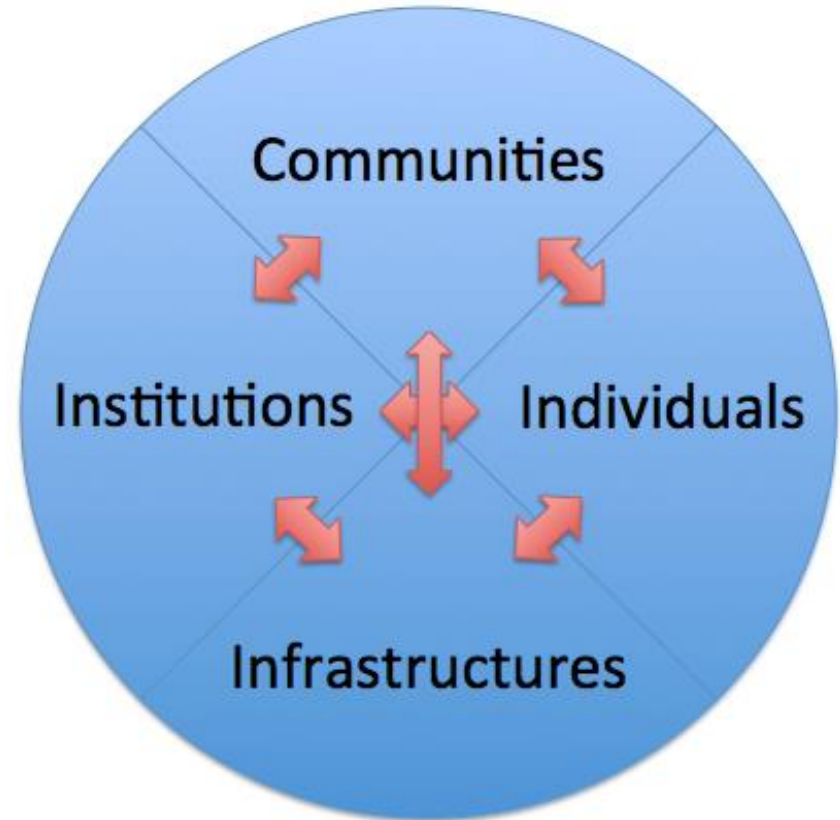
Resilience

In all stages of the cycle of emergency management: prevention, preparedness, response and recovery



Resilience at different societal levels

Resilience derives from the *intricate interplay between individuals, communities, institutions and infrastructures*



WP 3 Individual resilience

There is growing awareness of the importance of assessing long-term effects of trauma on survivor's health, as well as analysing the effects of interventions for adults and children alike.



WP3 – Individual resilience

- WP3.1 Long-term health effects of disasters
WP 3.2 Children in natural disasters – health and risk communication
WP3.3 Psychosocial support and intervention



WP 4 Community resilience

Communities play a vital role during and after a disastrous event.

The aim of WP4 is to increase **community resilience** by understanding risk perception, hazard communication, and community coping as well as strengthening public participation in hazard monitoring and early warning.



WP 4 Community resilience

- WP 4.1 Unpacking and measuring community resilience
- WP 4.2 Risk perception
- Task 4.3 Participatory early warning and monitoring systems



WP5 Infrastructure resilience

WP5 will study transport on land, sea and in the air. These are all essential infrastructure components vulnerable to natural hazards.



WP 5 Infrastructure resilience

- WP 5.1 Slope failures and transport infrastructure
- WP 5.2 Snow avalanches and transport infrastructure
- WP 5.3 Flooding and coastal erosion
- WP 5.4 Arctic offshore challenges
- WP 5.5 Volcanic ash eruptions and air traffic



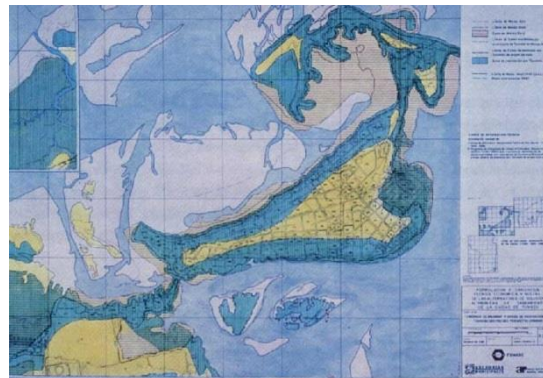
WP 6 Institutional resilience

The overarching question of WP6 is: *Can the societal resilience of the Nordic countries be improved through changes in legal and regulatory frameworks and enhanced institutional cooperation?*



WP 6 Institutional resilience

- WP 6.1. will review and enhance institutional framework for natural hazard management
- WP 6.2 will study the role of the Nordic Welfare system in natural disasters



Training and mobility

NORDRESS emphasizes training and mobility for all its members

Nordic Societal Security Academy will provide mobility grants and co-fund seminars and courses

A presentation on NSSA is to follow.



A dramatic photograph of a volcanic eruption. A massive, billowing plume of dark ash and smoke rises from a snow-covered mountain. The foreground shows a snowy, rocky slope. The text is overlaid in white, bold, sans-serif font.

**NORDRESS will improve
resilience
in the Nordic countries by providing
science based recommendations to
relevant authorities**

Thank you!