Involvement of indirect effects in communication through Natural Disaster Management phases in Iceland

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Introduction

Avalanches in Iceland

Research Question

Research Design

Methods

Theories

Stakeholders
Introduction / Problem formulation

Increased climate change

Direct and indirect effects

Natural Disaster Management

Importance of communication

Why Iceland?
Research Question

What learnings can be made from flow of communication between stakeholders inside Natural Disaster Management of avalanches in Iceland in relation to indirect effects?

(preliminary research question)

1. What stakeholders are involved in Natural Disaster Management of indirect effects from avalanches in Iceland?
2. How is the flow of communication between stakeholders inside Natural Disaster Management in relation to indirect effects?
3. Do stakeholders expect increased indirect effects due to climate change to effect their way of communication?
Research Design

Introduction

Problem formulation

Methods

Theory

Document Analysis & Qualitative Interviews

Risk Communication Theory + Natural Disaster Risk Communication Framework + Natural Disaster Management Cycle

RQ:
What learnings can be made from flow of communication between stakeholders inside Natural Disaster Management of avalanches in Iceland in relation to indirect effects?

SubRQ1:
What stakeholders are involved in Natural Disaster Management of indirect effects from avalanches in Iceland?

SubRQ2:
How is the flow of communication between stakeholders inside Natural Disaster Management in relation to indirect effects?

SubRQ3:
Do stakeholders expect increased indirect effects due to climate change to effect their way of communication?
Methods

Case study of Iceland in general since the Natural Disaster Management is the same throughout the country involving the same institutions.

The stakeholders all had to have the characteristics of taking part in one or more phase of Natural Disaster Management and whether indirect effects were involved in their institution/organization.

Semi-structured interview using interview guide for similar core questions but keeping them open-ended to allow important issues, perceptions and ideas to come forward.

Document analysis

Literature found from the State of the art and internet research was used to compile a list of stakeholders involved in indirect effects of Natural Disaster Management in Iceland.

Qualitative Semi-structured Interviews

Case Study
Theories of science

- Triangulation of data
- Abductive research approach
Stakeholder map (draft)

- National authorities
  - Department of Civil Protection and Emergency Management (DCPEM)
  - Icelandic Meteorological Office
  - Scientists / engineers
- Local authorities / municipalities
  - Local individuals, local firms/businesses

Prevention

- National authorities
  - Department of Civil Protection and Emergency Management (DCPEM)
  - Icelandic Meteorological Office
- Local authorities / municipalities
  - Local individuals, local firms/businesses

Preparedness

- National authorities
  - Department of Civil Protection and Emergency Management (DCPEM)
- Local authorities / municipalities
  - Local individuals, local firms/businesses

Response

- National authorities
  - Department of Civil Protection and Emergency Management (DCPEM)
  - Insurance Companies
  - Ofánflóðasjóður / Landslides and Avalanches Fund
  - The Emergency Relief Fund
- Local authorities / municipalities
  - Local individuals, local firms/businesses

Recovery

- National authorities
  - Department of Civil Protection and Emergency Management (DCPEM)
  - Scientists / engineers
- Local authorities / municipalities
  - Local individuals, local firms/businesses
Thank you for listening
References

Picture slide 4 - from newspaper articles - Visir, Dv, Mbl

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