

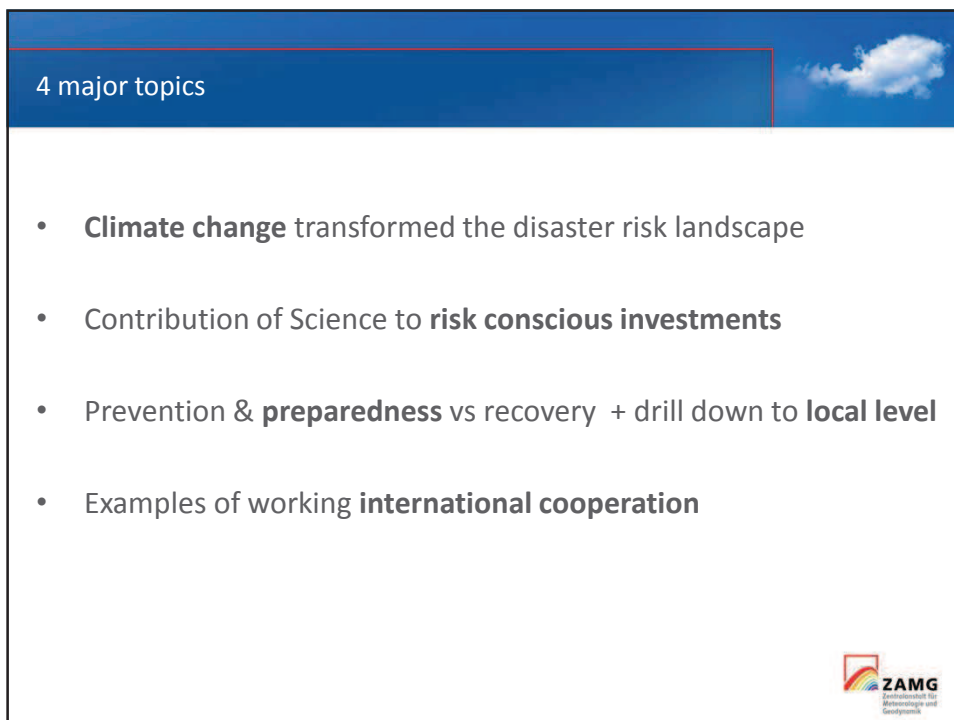


Links between climate change, DRR & security

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Geodynamik



4 major topics

- **Climate change** transformed the disaster risk landscape
- Contribution of Science to **risk conscious investments**
- Prevention & **preparedness** vs recovery + drill down to **local level**
- Examples of working **international cooperation**



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1. Climate change transformed the disaster risk landscape

Consequences of climate Change:

Easy to monitor: glacier retreat

Invisible, but with consequences:
changing permafrost
changing precipitation patterns
Heat waves



2. Contribution of Science to risk conscious investments

Impact assessment of

high probability – low damage

vs

low probability – high damage scenarios

no “personal” experience

usage of historical records

possible combination of damage scenarios

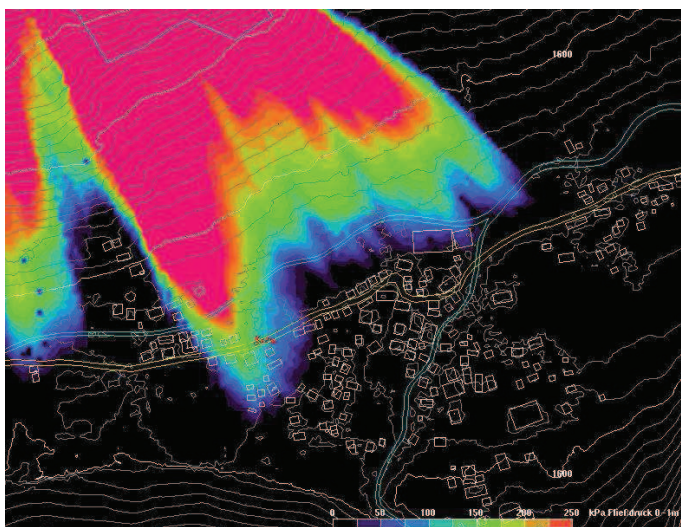
Time /space profile of larger investments?

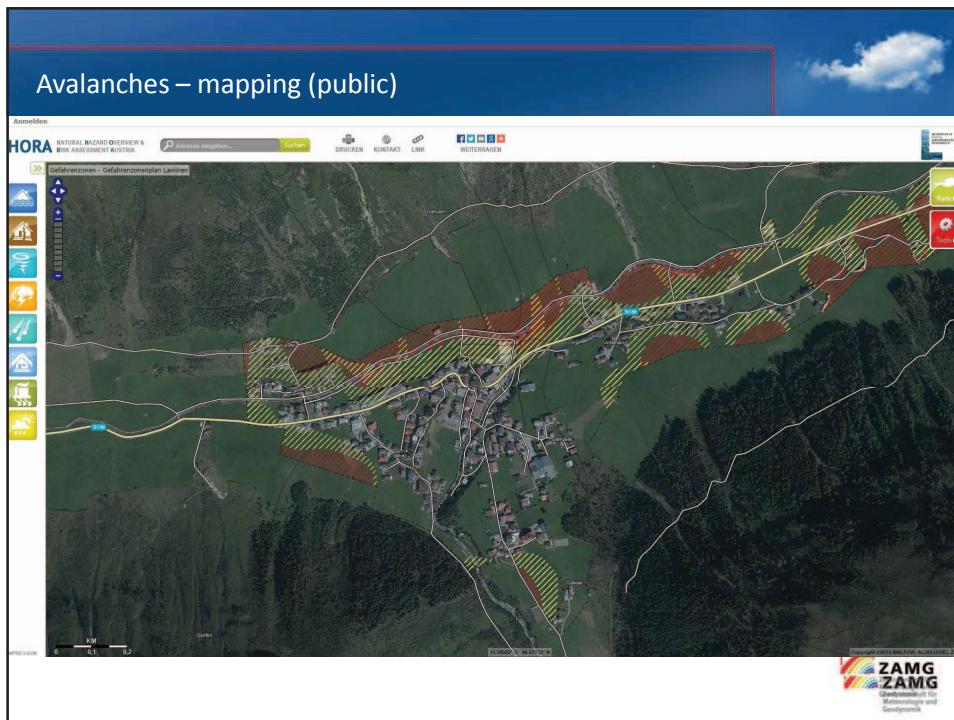


2. Contribution of Science to risk conscious investments



Avalanches – possible runout





3. Prevention & preparedness vs recovery + drill down to local level

- Prevention and preparedness vs disaster recovery measures
- Smoke detectors vs more first responders
- Examples of forest fires: limits of adaptation >> mitigation of CC

How to implement interdisciplinary perspectives at a local level

- how does a flood affect a local community?
- how can a temporary avalanche protection work in a village?

The photograph shows a large piece of heavy machinery, likely a snowcat or avalanche control vehicle, operating in a snowy, mountainous environment. The machine is positioned on a slope, possibly performing maintenance or clearing work.

4. Examples of working international cooperation

Best practice exchange >> cross boarder multi hazard warning system

European warnings: MeteoAlarm,

Preconditions (good governance):

- comprehensible indicators
- Flexible frameworks for implementation
- Standardized production and interpretation of warnings
- Single voice for warnings
- Close connection between expert organizations and Civil Protection



International co-operation

meteoalarm
alerting europe for extreme weather

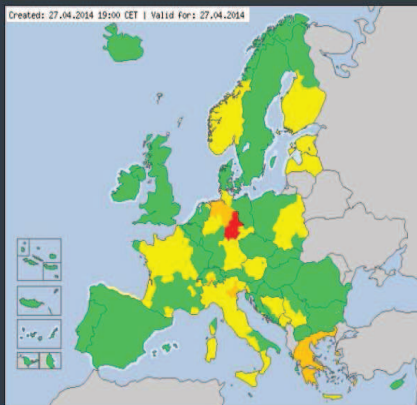
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english

> Europe:

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Weather warnings: Europe

Awareness Reports - You can find detailed information about the warnings in the awareness reports issued for each country. Select the relevant country.

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awareness types: all awareness types

Display: today tomorrow

