Information meeting on the R&D project Snow Avalanches

Aart Verhage
Head of section Landslide knowledge
The Norwegian Water Resources and Energy Directorate (NVE)

- A directorate reporting to the Ministry of Petroleum and Energy
- Manage Norway’s water and energy resources
- Regulate and promotes an efficient energy market and efficient use of energy
- National authority for floods and landslides
- National institute for hydrology
In 1972, the Norwegian parliament determined that state-financed research in connection with avalanches would be the responsibility of NGI. Since 2009 avalanche research is financed by the Norwegian Ministry of Petroleum and Energy, and the funding is received via the Norwegian Water Resources and Energy Directorate.

- Annual: 3 million kr.
- 3 year project plan, new for the period 2017 - 2019
SP-4: Snow avalanche research at NGI

Anders Solheim
Director, Natural Hazards
NGI’s Strategic Projects - SPs

- 3 years duration, 3-5 projects at any time
- SPs in all NGI’s 4 market areas
- Organized with internal steering committee and external reference group
- Very important part of NGI’s research – ‘push boundaries’

Ongoing SPs:

**SP-4, Snow avalanches**

**SP-6, GeoRisk Assessment and Management – GRAM**

**SP-7, Innovative Monitoring of environmental risk – IMiRO**

**SP-8, Geotekniske Dimensjoneringsparametre - GeoDip**

**SP-9, Next Generation Innovative Foundations – NGI Foundations**
Tilskudd til Norges geotekniske institutt

Det foreslås et tilskudd på 3 mill. kroner til Norges geotekniske institutt (NGI) til drift og utvikling av Ryggfonn i Grasdalen (Stryn) som er et fullskala feltlaboratorium for snøskredforskning. Dette vil bidra til at Ryggfonn opprettholdes som nasjonal infrastruktur til bruk i forskningsprosjekter. Tilskuddet skal også bidra til å styrke fagmiljøet som en viktig del av den nasjonale forskningskompetansen innen snøskred.
SP4 research topics

- Initiation
- Dynamics
- Mapping
- Warning
- Damage
- Mitigation

What are the velocities one has to expect?
Welcome to the seminar!