

Overall situation of mountain risks management in the country

- Tyrol is a high-mountain-area in the western part of Austria with 12.648 km².
- Tyrol is highly endangered by mountain risks, as avalanches, floods, storms and large mass movements (rock, ice).

Implemented each particular case to your region

- Avalanches

temporary: avalanche warning service

permanent: forest technical service for avalanche and torrent control

- floods

forest technical service for avalanche and torrent control

- storms

national weather service

- mass movements

temporary: geological service

permanent: forest technical service for avalanche and torrent control

**Explanation of the center including:
name, geographic location...**

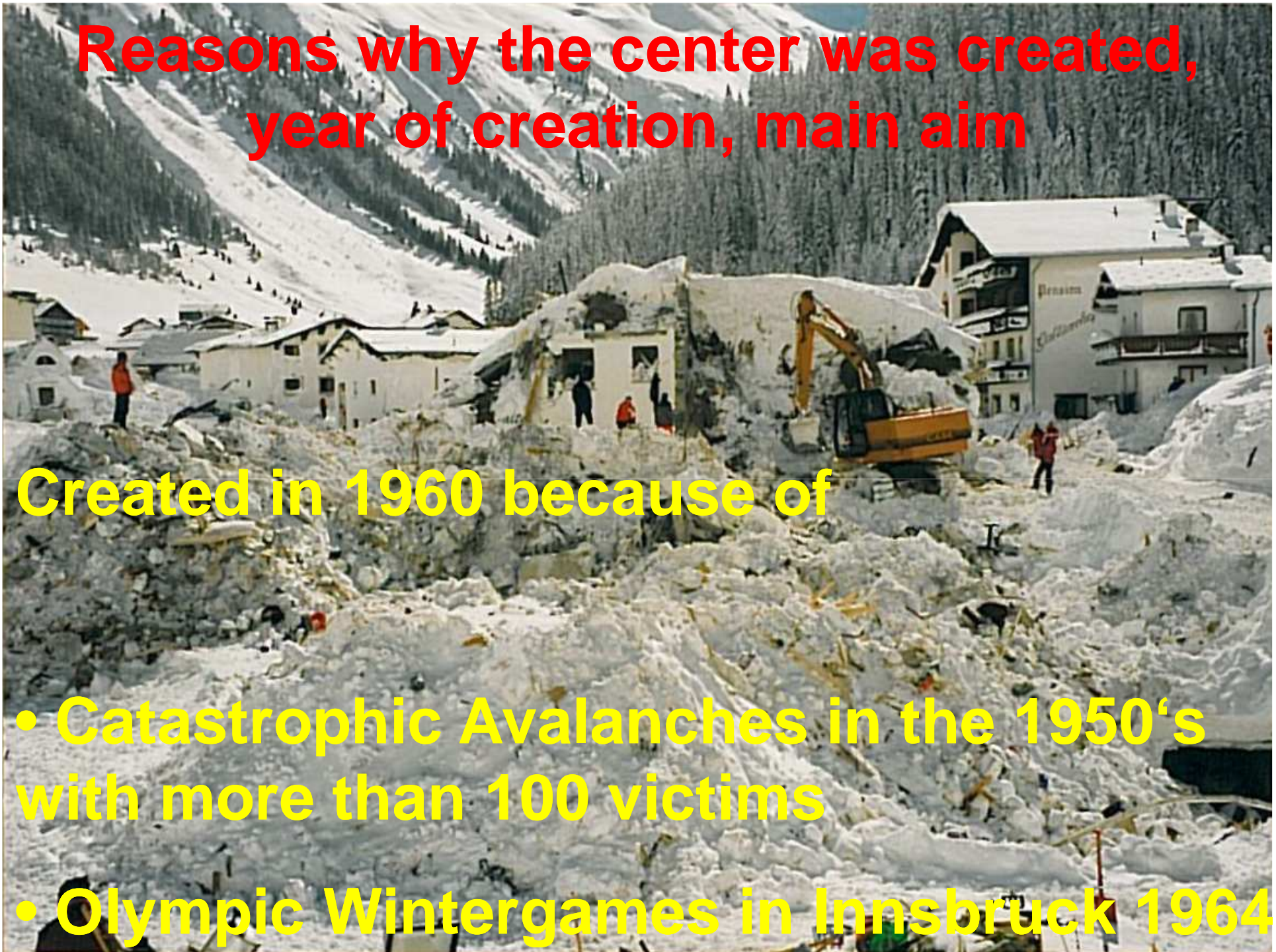


**Avalanche Warning Service of the Tyrol
Innsbruck**

**Reasons why the center was created,
year of creation, main aim**

Created in 1960 because of

- Catastrophic Avalanches in the 1950's with more than 100 victims**
- Olympic Wintergames in Innsbruck 1964**



Initial structure at the time of creation and current structure

1960:

1 person, 6 observers, 0 automatic station

today:

5 persons, 30 observers, 130 automatic stations

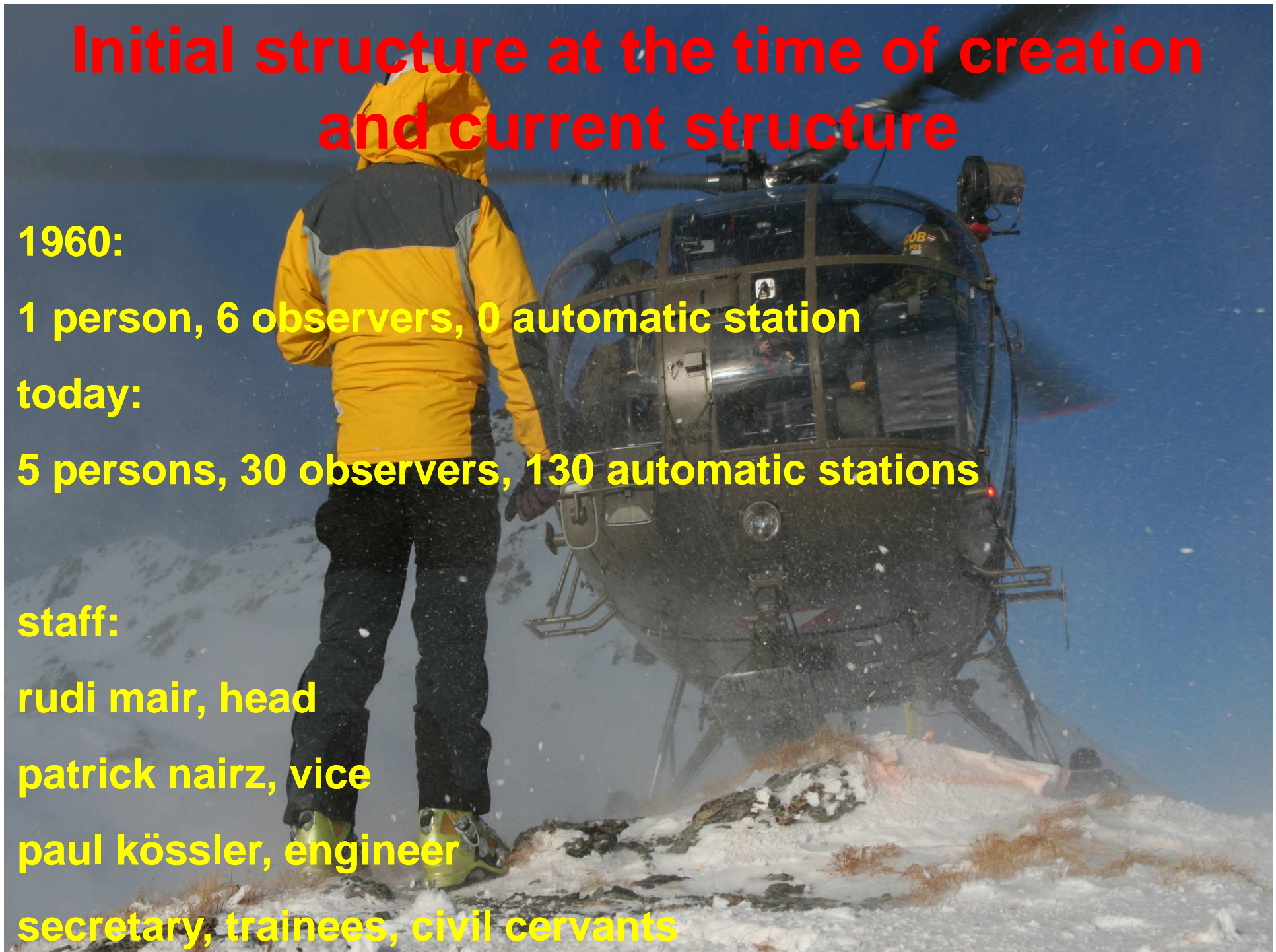
staff:

rudi mair, head

patrick nairz, vice

paul kössler, engineer

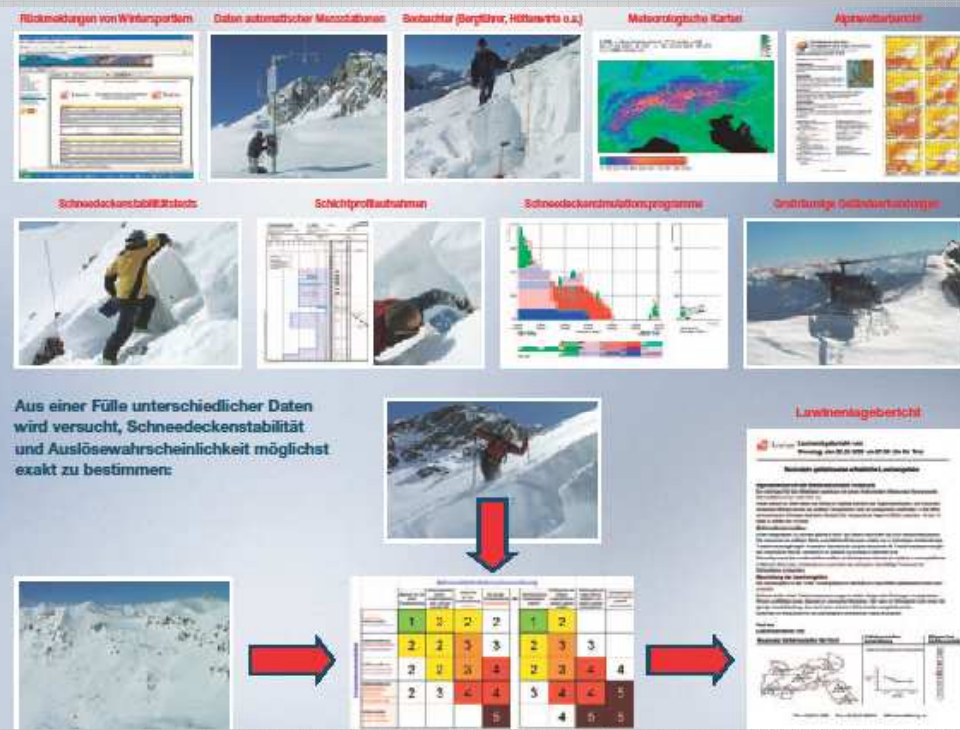
secretary, trainees, civil servants



Professional profiles of people working in the center, duty they develop and time dedicated

- Rudi Mair: Meteorologist, Glaciologist. Head an forecaster, fulltime.
- Patrick Nairz: Graduated engineer for Avalanche Control. Vice and forecaster, fulltime
- Paul Kössler: Engineer. Maintenance of Automatic Weather Stations, fulltime.
- Gabi Rehrl, Sandra Prantl: Secretaries, fulltime
- 2-4 Trainees and Civil Servants

Funds, past and current funding. Forms of financing (public, private, European projects, etc).



PROJEKTDATEN

Projektr  ger: Amt der Tiroler Landesregierung, Abteilung Zivil- und Katastrophenschutz - Lawinenwarndienst Tirol, Mag. Rudi MAIR

Projektbeschreibung: Amt der Tiroler Landesregierung, Abteilung Zivil- und Katastrophenschutz - Lawinenwarndienst Tirol, Mag. Rainer STIEBER, Hermannsgasse 1-3, 6020 Innsbruck, E-Mail: kontakt@lawinendienst.at

Projektziele: Lawinenwarndienst in bergigen Landschaften im Linzberg, Dr. Bernhard ZEMPEL

Dauer: Januar 2009 - Dezember 2009

Projektbudget: 100.000,- €

Finanzierung: 100.000,- € vom Amt der Tiroler Landesregierung, 50.000,- € vom Bundesministerium f  r Landwirtschaft, Regionen und Tourismus

Gr  ndung: Radolfshausfeld Wintersaison 2006/2007

Projektleitung: Dr. ZEMPEL, G  rtel

Finanzierung: 60 % vom Amt der L  nder Tirol und Bayern, 40 % vom EU-F  hder

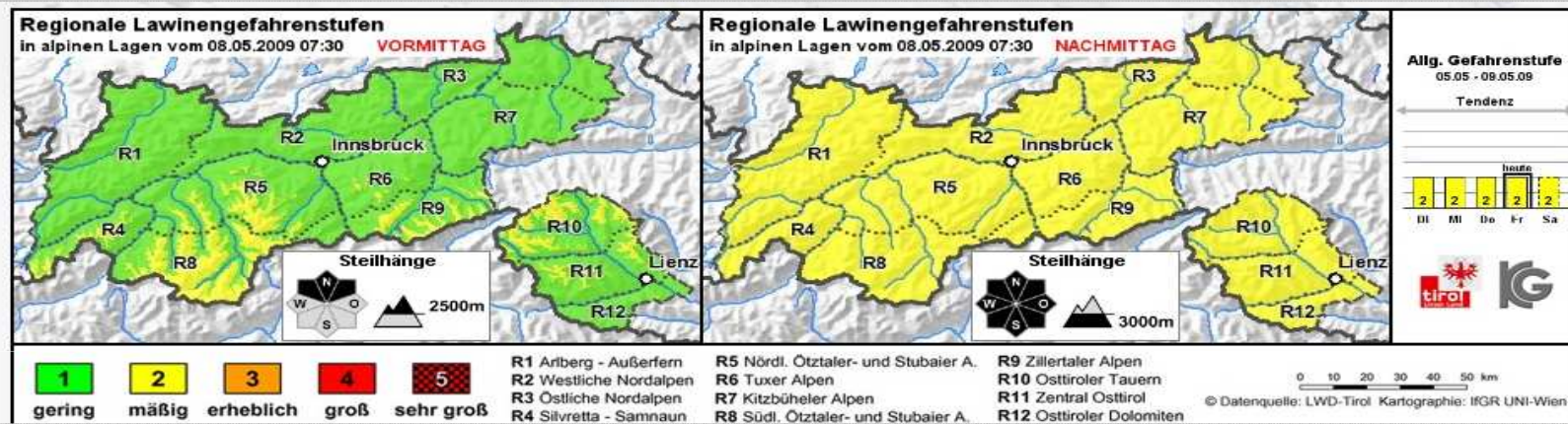
- **Funded by the government of the Tyrol**
- **Weather stations funded in a mixture of government, village and ski resorts (public private partnership)**
- **European projects: yes, as LWDKIP**

Main objectives and lines of work

- Perfect Avalanche Safety for all People in Tyrol!
- (locals, guests, tourists, people doing winter sports...)



Products and results (Bulletin of avalanche danger, educational manuals, educational plans, thematic mapping)



- At least one daily avalanche report

Vorwiegend täglich in der Lawinengefahr

Beurteilung der Lawinengefahr

Die Lawinengefahr ist - dem Frühjahr entsprechend - wieder einmal von der Tageszeit, zusätzlich aber auch von der Seehöh... [mehr Details >](#)

- Handbook for observers

Handbook for observers

Die Schneedecke zieht sich immer weiter zurück. Dennoch liegt für diese Jahreszeit in hohen und hochalpinen Lagen überdu... [mehr Details >](#)

- Yearly Annual Report

Alpinwetterbericht der ZAMG-Wetterdienststelle Innsbruck

Die Wetterlage ist in den letzten Tagen wieder einmal sehr unsicher. Gestern ist das Bergwetter aber deutlich unsicherer... [mehr Details >](#)

Tendenz

- Practical Handbook for the Public

Die Lawinengefahr wird von der Tageszeit und davon abhängig sein, ob sich die Schneedecke über Nacht abkühlen und v... [mehr Details >](#)

Practical Handbook for the Public

- Lots of Informational Material

Informational Material

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Diffusion methods and outreach activity.

- Most important:
- ,To put your nose into the snow‘
- 3-4 days a week outside
- doing own field work
- meeting observers
- looking at avalanche accidents



Perception of society and politicians about the activities of the centre

Perfect:

- Nobody in a Winter Sports Country like Tyrol (more than 25 000 000 overnights a winter!)
- could imagine this without a perfect Warning Service!

SAFETY FIRST!!!

**Socio-economic importance for the
townhall where the centre is located**



TOP

remember catastrophic avalanche of Galtür 1999...

Future development of the center

NEVER STOPP!!!

trying to be the best worldwide!

(a rolling stone gathers no moss...)