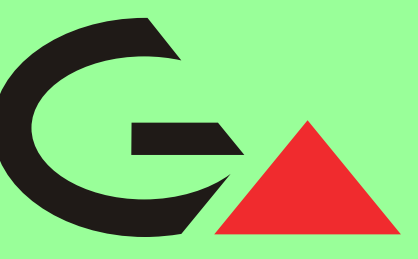




GIS based web-application of mass movements in Austria registered by publications and internet

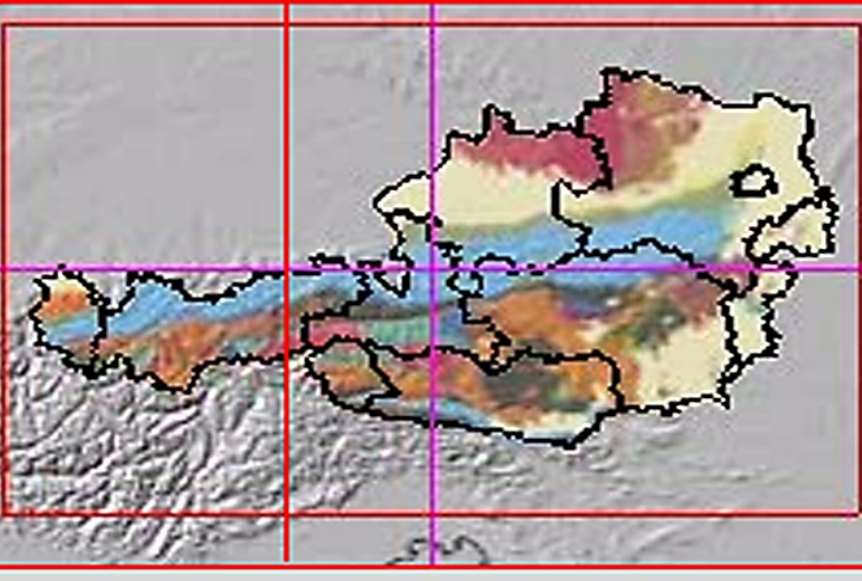


Kautz H., Tilch N., Reischer J., Kociu A. & Heim N.

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Geological Survey of Austria

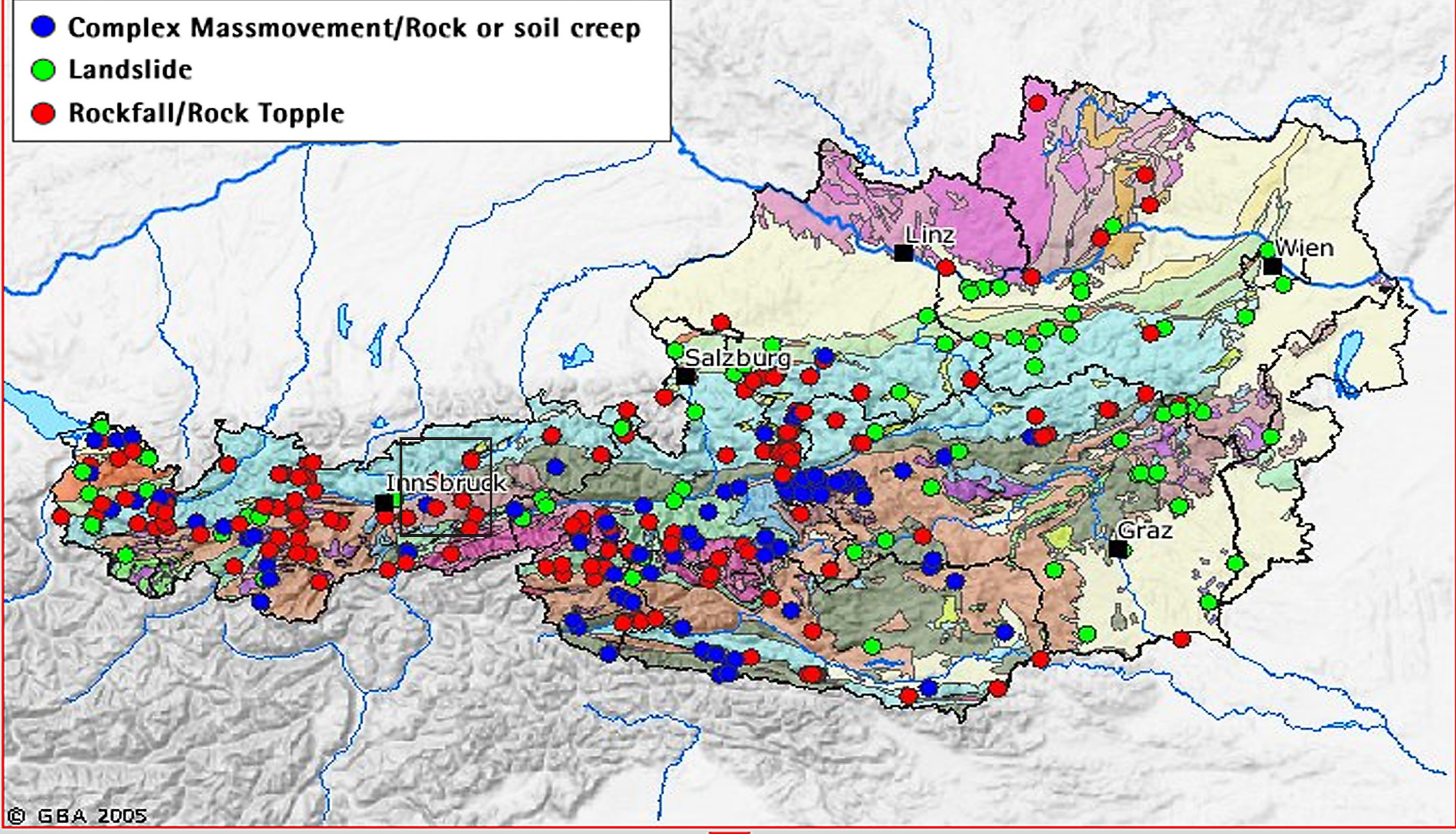
Mass Movements



Search for Place

Select Region Burgenland

- Complex Massmovement/Rock or soil creep
- Landslide
- Rockfall/Rock Topple



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Best viewed with Internet-Explorer 6.0 or higher.

Layer
Legend
General

Scale:

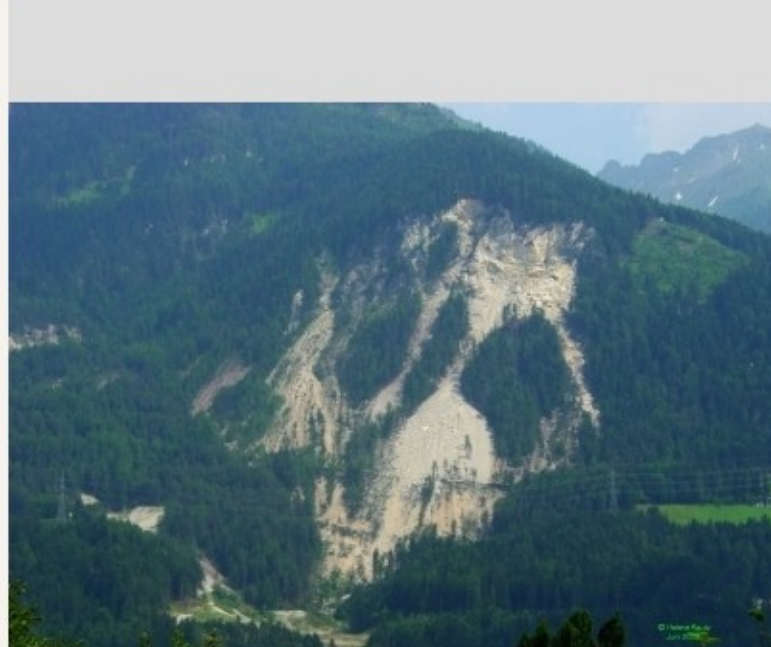
ZoomIn
1:3327009

Geological Survey of Austria

These informations show only a reduced dataset of all the mass movements in Austria, and is not qualified for statistical evaluations or modelling.

Mass Movements

Eiblschrofen



source of literature:
 u.a. Angerer H. 1999; Angerer H. u. Sauermoser S. 2000; Angerer H. 2002; Bayer H. u. Gsell A. u. Hammer H. u. Sauermoser S. u. Scheiber M. 2000; Brandner R. u. Reiter F. 2000; Lintner H. 2000; Marschallinger R. u. Stejskal Ch. 2001; Poisel R. u. Leithner W. u. Prah A. u. Rozh W. 2001; Poisel R. u. Roth W., Prah A., Tentschert E. u. Angerer H. 2002; Roth W., Prah A. u. Poisel R. u. Hoffmann R. u. Sauermoser S. 2002; Taraba B. 2001, TIWAG u. Weiser & Obex, M. 2001, S

Internet-Link:
 u.a. http://www.wlv-austria.at/journal_archivartikel.php?ausgabe=1&artausgabe=5,
<http://www.schwaz.at/feuerwehr/bes.einsatz/1999/>

region/country of austria:
 Tyrol

date/epoch of the event (?):
 10.07.1999

type of massmovement:
 Rockfall/Rock Topple

synonym name of object or locality:
 Schwaz

Contact: Department of Engineering Geology

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General Info

Mass Movements

General information to the map

- Introduction
- Background of the map
- Goal of the map

• **Introduction**

Due to the natural circumstances (e.g. topography, geology, climate) and the situation within the range of relatively young high mountains mass movements (slips i.w.S.) are a wide spread typical phenomena in Austria. Particularly by the dense population of the close alpine valleys and the increasing interferences into the natural equilibrium of the slopes (traffic facility construction, settlements, ski runways etc.) and in addition, due to the temporal variability of the climate and the weather conditions, an increasing potential of hazardous events by mass movements can be encountered.

Annually enormous economical damage results from mass movements in Austria and furthermore the existence of the human population are often threatened. This was recently confirmed in August 2005 in many regions of Austria. For example in the region of Styria, particularly in the municipalities of Haslau and Gasen.




Fig. 1: A house in the village of Gasen (Styria), destroyed at the night of 21. on the 22.08.05 by a small

Contact INFO

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Legend Geology

Geology 1:500.000

- Glacier
- Quaternary
- Tertiary
- Jurassic - Eocene
- Cretaceous - Eocene
- Ybbstizer Cliffs
- Upper Cretaceous
- Triassic - Lower Cretaceous
- Permo-Scythian
- Older Paleozoic
- Quartzphyllite
- Upper Cretaceous
- Carbonate Rock
- Basic Volcanic Rock
- Altkristallin i.g.
- Marble
- Lake

The legend of geology is interactive and just shows elements in the extent. By click on the color the chosen unit is shown on the map.

First collection of nearly all mass movements in Austria which are well known because of scientific or public interest

Explanation of "What is called a mass movement?"

Useful for everyday life and science

www.geologie.ac.at