

Use of remote sensing for monitoring of deglaciation

The study deals with the monitoring of glaciers using remote sensing techniques. It compares the possibilities of optical and microwave sensing. The work tries to find a suitable method or type of sensor for detecting ice, snow and clouds in satellite images. In the practical part there was demonstrated unsupervised classification on the image of SPOT satellite in the area of Mount Huascarán. Images of Landsat satellite were used for identification of deglaciation in Cordillera Blanca, Peru.

Key words: remote sensing, glaciers, monitoring of snow, Huascarán