



Usefulness of Terrestrial Laser Scanning for Survey of Frontal Zone of Hansbreen - Svalbard Tidewater Glacier



The reasons of scanning the tidewater glaciers:

- climate changes global warming
- sea level rise
- precise studies of glacier flow
- ice-cliff position changes (glaciers retreat)
- calculation of calving flux (volume of iceberg production)
- glacier geometry cliff shape, DEM of the surface

Glaciers are very sensitive on climate changes - good indictor!

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