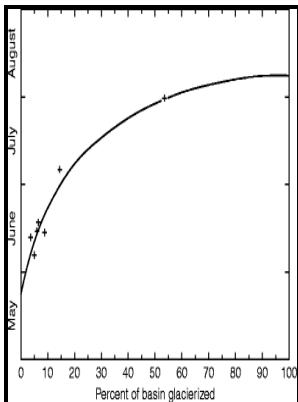


Meltwater generation and drainage within a small glacierized basin in the French Pyrénées

University of Birmingham - Meltwater



Description: -

-Meltwater generation and drainage within a small glacierized basin in the French Pyrénées

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Notes: Thesis (Ph.D) - University of Birmingham, School of Geography, Faculty of Science, 1998.

This edition was published in 1997



Filesize: 65.96 MB

Tags: #Modelling #sediment #load #in #a #glacial #meltwater #stream #in #western #Norway

Publications

The record for the past two million years is shown here and in figure 22. A null hypothesis approach that there are no relict rock glaciers in the British mountains is pursued, and the evidence indicates that none of the 28 cases clearly warrants classification as a relict rock glacier; their characteristics can be explained without recourse to any significant forward debris movement controlled or facilitated by incorporated or underlying ice as it deforms and melts out. Any lake that remains at a stable level for an extended period of time e.

HESS

Emphasis is placed on Denton and Karlen's research. We show that the accuracy of the bistatic TanDEM-X and SRTM DEMs can be used to quantify the volume and mass loss of glaciers in a highly sensitive region on at least a decadal time interval.

Lake

Although previous studies have suggested that GLOFs will increase in response to climate warming and glacier recession, our global results demonstrate that this has not yet clearly happened.

Modelling sediment load in a glacial meltwater stream in western Norway

Lok was responsible for the hydrological programme. We present a method for manual geo-referencing of such records, and demonstrate how using Ellenberg and climate indicator values as environmental and climate change indicators can contribute towards directing appropriate conservation strategies. His research is interdisciplinary, focusing on three complementary themes within hydroclimatology interface between hydrology-climatology : 1 climate and river flow regimes; 2 hydro-climatological processes within alpine, Arctic, mountain and glacierized river basins; and 3 river energy budget and water temperature dynamics.

Arctic Institute of North America (AINA)

This paper presents a conceptual, linear reservoir runoff model and applies it to a small glacierized cirque basin in the French Pyrénées over the 1995 melt season.

HESS

Reliable dating of Southern Hemisphere glacier fluctuations since the Last Glacial Maximum LGM is crucial to resolving debates about millennial-scale climate change.

Arctic Institute of North America (AINA)

Author Contributions MM, ARa, ARI, LR, and PP wrote most sections of the manuscript. This work will address the following aspects: - a description of the extended three-parameter PSI model; - the illustration and discussion of different types of thermal maps; - the analysis of examples where the thermal signal is not properly modelled this is especially important for small data stacks that cover relatively short time periods ; - the discussion of the issue of parameter estimability to properly separate thermal dilation from the other phase components ; - the strategy to be used when the available dataset is not sufficient to properly estimate the thermal dilation component.

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