

High Arctic Fuglebekken experimental catchment on Spitsbergen, Svalbard

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Fuglebekken is a small unglaciated catchment of 1.27 km² situated in the southwest Spitsbergen with a history of hydrometeorological experimental observations going back to late 1970s. It represents sea terraces and coastal mountains catchments becoming more and more common in SW Spitsbergen as a consequence of deglaciation. Here the recent observational program and available datasets of the Polish Polar Station Hornsund in Fuglebekken catchment is presented, including meteorological, hydrological observations, hydrochemical monitoring and snow survey.