

OSL dating of Weichselian ice-free periods at Skorgenes, western Norway

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During recent years, many sites with pre-LGM sediments have been identified in the formerly glaciated areas. As more and better dates are presented from these sites, we see increasing evidence for an active and dynamic Scandinavian ice sheet.

In this study, we revisited the site Skorgenes in western Norway. Here sediments from three periods with ice-free conditions have been found interbedded with tills, and they provide a record of several generations of ice advances and retreats. The youngest of these sediments, a pro-glacial delta succession, has been linked to the final deglaciation of the site but the ages of the older units are more problematic.

Here we present an updated chronology for the Skorgenes site, based on 10 new OSL dates, and discuss possible correlations with other sites in western Norway and their relation to other important sites in Scandinavia.