

Interactive  
Comment

## ***Interactive comment on “Were last glacial climate events simultaneous between Greenland and western Europe?” by M. Blaauw et al.***

**V. Masson-Delmotte (Editor)**

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Dear authors,

The two reviewers have appreciated the independence of your approach to discuss the synchronism of abrupt climate changes in Europe and Greenland, based on independent age models. However, they both raise important points that must be addressed in a revised manuscript.

First, it is asked that you go in depth in the description of the lake proxies that you use and that you discuss the comparison of various climate proxies available in this lake (including for instance pollen records) and their comparison with other high resolution climate records in the North Atlantic area such as for instance marine records.

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Second, it is necessary to improve the description of the uncertainties of the age model developed for Les Echets, as detailed by reviewer 2.

Third, the two reviewers raise major points regarding the synchronization of high resolution records from the North Atlantic (work by Shackleton and collaborators) with Greenland. Please consider carefully their points and broaden the discussion by considering also the marine records and the underlying physical links behind the highly similar shape of abrupt events.

I encourage you to revise in depth the manuscript, taking into consideration the reviewers' suggestions, and to submit a revised manuscript together with detailed answers to the reviewers.

Sincerely, and best wishes for this new year,

Valerie Masson-Delmotte.

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Interactive comment on Clim. Past Discuss., 4, 1203, 2008.

CPD

4, S678–S679, 2009

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