

## ***Interactive comment on “Early-Holocene warming in Beringia and its mediation by sea-level and vegetation changes” by P. J. Bartlein et al.***

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Review of the paper cp-2013-112: ““Early-Holocene warming in Beringia and its mediation by sea-level and vegetation changes” by P. J. Bartlein et al. The paper is mainly focused to assess the sensitivity of the simulated climates to regional land-atmosphere interactions and feedbacks 11 ka and also 6 ka. Topics of the paper enter well in general themes of Climate of the Past. The paper presents highly interesting modelling results which seem to be very reliable and quite comparable with existing proxy-based paleoenvironmental reconstructions from the study area. I do not have any serious comments to the paper. Basically it can be accepted for publication without changes. I only have some minor comments which can be used to improve the manuscript quality.

Page 877 Line 6 Beringia (Northeast Siberia, Alaska, and northwestern Canada)....

C256

northeast Siberia

Page 879 Line 26 Asian portion of the study region are dominated by the deciduous conifer *Larix gmelinii* (larch). Basically it is correct but due to the species' variability, it has acquired numerous synonyms in the botanical literature, including *L. cajanderi*, *L. dahurica*, *L. kamtschatica*, *L. komarovii*, *L. kurilensis*, *L. lubarskii*, *L. ochotensis*. So, *Larix gmelinii* (sensu lato or s.l.) would be better for use.

Concerning *Chosenia*. *Chosenia macrolepsis* or *arbutifolia*?. Any way I do not think that willow is correct name for the plant. By the way *Populus tremula*, commonly called aspen, common aspen, Eurasian aspen is also common tree in Asian Beringia. Please add.

Concerning Fig. 1 Verkhoyansk and Chersky Ranges on the map C do not look placed correctly. Please change.

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