

Interactive comment on “Climate impacts on deglaciation and vegetation dynamics since the Last Glacial Maximum at Moossee (Switzerland)” by Fabian Rey et al.

Anonymous Referee #1

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An excellent manuscript presenting detailed high-resolution pollen data in a critical and thorough way. I have some minor revisions to suggest.

Line 31: I prefer not splitting infinitives, so suggest ‘to modify irreversibly’.

Line 74: Change “with predominantly sandstones between” to ‘with predominantly sandstone in between’. Change “north” to ‘north’ and “South” to ‘south’

Line 76: Change “West” to ‘west’ and “East” to ‘east’

Line 90: Hyphenate “lake shore villages” (‘lake-shore villages’)

Line 94: ‘centre’ rather than “center”

C1

Line 96: Change “in town” to ‘in the town’

Line 97: ‘centre’ rather than “center”

Line 103: Change “an UWITEC” to ‘a UWITEC’

Line 127: Change “assess” to ‘estimate’

Line 146: Change “data was” to ‘data were’

Line 150: Also Birks et al. (2015) Rev Pal Pal for a review.

Lines 154-159: I have reservations about PRI/PIE and using the residuals + PRI. See Birks et al. (2016).

Line 165: Personally, I would have used DCCA with depth as the constraining variable (Birks 2007, VHA) as pollen data are time-ordered. DCA does not take account of the depth. It does not make much difference but DCCA is for the purist.

Line 224: Change “releasing” to ‘leading to’

Line 228: Change “released” to ‘resulted in’

Line 241: Change “reestablishment” to ‘re-establishment’

Line 273: Change “land use phases” to ‘land-use phases’

Line 284: Change “favoring” to ‘favouring’

Line 286: Change “land use phases” to ‘land-use phases’

Line 332: Prefer ‘to form quickly’ rather than “to quickly form”

Line 333: Add a comma after “First” (‘First, arboreal ...’)

Line 349: Delete “first”

Line 350: Change “dwarf birch thickets” to ‘dwarf-birch thickets’

C2

Line 357: Change “North” to ‘north’
Line 359: Change “wide-spread” to ‘widespread’
Line 370: Add ‘and’ before “Rangifer”
Line 376: Change “Betula pendula” to ‘B. pendula’
Line 378: Add ‘the’ before “tree”
Line 416: Change “favored” to ‘favoured’
Line 429: Change “land use history” to ‘land-use history’
Line 431: Add ‘the’ before “first”
Line 432: Change “falls” to ‘fall’
Line 438: Change “land use” to ‘land-use’
Line 443: Change “land use phases” to ‘land-use phases’
Line 445: Change “land use phases” to ‘land-use phases’
Line 453: Change “favorable” to ‘favourable’
Line 459: Add ‘the’ before “driving”
Line 466: Change “reestablish” to ‘re-establish’
Line 469: Change “drought resistant” to ‘drought-resistant’
Line 480: Do you have *Betula humilis*?
Line 515: Change “identification” to ‘identifications’
Line 910: Change “Neolithic” to ‘Neolithic’

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