Interactive comment on "April–August temperatures in the Czech Lands, 1499–2012, reconstructed from grape-harvest dates" *by* M. Možný et al.

Anonymous Referee #1

Received and published: 15 February 2016

The manuscript entitled "April-August temperatures in the Czech Lands, 1499-2012, reconstructed from grape harvest dates" written by Mozny et al. provides an interesting set of proxy-based past temperature data for Czechia. The manuscript is in general well written and in accordance with scientific standards. Even though the idea of reconstructing temperature conditions in the past based on grape harvest dates is definitely not new (as authors write in line 5, page 2: "GHDs have been used for reconstruction of temperatures series" in many countries) the manuscript might be worth to be published in Climate of the Past due to (1) the innovative statistical tool of variance scaling used to optimize capturing extreme temperatures (2) the remarkable fact that there are no temporal gaps in the time series. Prior to publication authors should address the fol-

lowing issues: (1) Please, carefully double-check the reference list. I flew superficially over the reference list and detected several mistakes and especially inconsistencies in the reference styles. I highlighted them in the pdf version attached (no claim of completeness). (2) I am not always convinced by the structure of the manuscript. E.g. lines 30-33, page 6; lines 1-2; page 7 and lines 8-18, page 8 are not presenting the results but discussing them. I suggest shifting those paragraphs to the Discussion section. (3) In the Discussion section the link to the results of the present work is partly missing.

Specific comments are to be found in the pdf file attached.

I recommend the paper to be published after Minor Revisions.

Please also note the supplement to this comment:
http://www.clim-past-discuss.net/cp-2016-19/cp-2016-19-RC1-supplement.pdf

Interactive comment on Clim. Past Discuss., doi:10.5194/cp-2016-19, 2016.