



Interactive comment on “Downscaling ERA-Interim temperature data in complex terrain” by L. Gao et al.

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The authors state "Method III and Method IV represent novel alternatives for deriving temperature lapse rates by using (global climate) model (here ERA-Interim) internal lapse rates from representative pressure levels." (p5940, 25)

However, it should be noted that similar approaches have been used before, see

Mokhov, I. I. and Akperov, M. G.: Tropospheric lapse rate and its relation to surface temperature from reanalysis data, Izv. Atmos. Ocean. Phy., 42, 430–438, 2006.

Gruber, S. (2012): Derivation and analysis of a high-resolution estimate of global permafrost zonation, The Cryosphere, 6, 221–233, doi:10.5194/tc-6-221-2012.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 5931, 2012.

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9, C2701–C2702, 2012

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