

Interactive comment on “Hydrological differentiation and spatial distribution of high altitude wetlands in a semi-arid Andean region derived from satellite data” by M. Otto et al.

Anonymous Referee #2

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- The paper is scientifically interesting and focusses on new results and methods used for high mountain ecology - Orthographic and gramatical errors as already indicated by other reviewer must be corrected - Abstract and introduction ok and clear - Is PAV="Photosynthetic active vegetation" a commonly used technical term ?? How is it defined ? - Try to shorten technical introduction with basics in digital image analysis or data sources - Many abbreviations and indices make it difficult to read. Page 6 : PAV(HAWAp) ! Is it not possible to write HAWAp only ?? - In chapter "results" it is rather difficult to easily comprehend the text like: " In September 2000 P5% of Gra(gt) and P95% of Shr(gt) are slightly overlapping and therefore P95% of Shr(gt) was applied as threshold to separate Grasslands (Gra) from Shrublands (Shr). Since this is not the

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case for May 2001, the P5% NDVI threshold of Gra(gt) 10 was applied. B&S(gt) shows only small changes in P95% due low vegetation content." - To figure out the classification design figure "HAWA_mapping_procedure_supplement" is very important. Why not integrate this figure earlier in the text. My impression is that it is planned to put it in an appendix ??

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