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
Received and published: 18 March 2011

- 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="Photosynthedic avtive vegetation" a commonly used technical term ?? How is it defined ? - Try to shorten technical introduction with basics in digital image analy-sis or data sources - Many abbreviations and indices make it difficult ro 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 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 ÁnHAWA_mapping_procedure_supplementÁz 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 ??

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 1287, 2011.