

***Interactive comment on* “Interannual variability of winter precipitation in the European Alps: relations with the North Atlantic Oscillation” by E. Bartolini et al.**

A. Montanari (Editor)

alberto.montanari@unibo.it

Received and published: 19 September 2008

The paper was reviewed by two independent referees who expressed a positive opinion about the presented analysis. They provided some remarks that in my opinion can be addressed by revising some parts of the text.

I enjoyed reading this paper. I think it is an interesting contribution to understand climate variability over Europe and its relationship with large scale climatic patterns. I think it is particularly interesting the finding that the Arctic Oscillation and the North Atlantic Oscillation have only a weak impact on winter Alpine precipitation. It is well

known that climatic indexes such as NAO are significantly related to winter precipitation in Southern and Northern Europe and the quantitative analysis carried out by the authors is an interesting confirmation. In fact, I believe Figure 3 is extremely significant.

In my opinion the paper should be published on HESS after a minor revision, aimed at addressing the concerns of the referees. In particular, I agree with Dr. Peter Molnar that a crucial point is the reliability of the CRU gridded precipitation data in Alpine regions. The authors already compared such data with ground observations and I would suggest that a discussion is needed about data reliability at high altitudes.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 5, 2045, 2008.

HESSD

5, S1206–S1207, 2008

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

