

## ***Interactive comment on “The snowmelt runoff forecasting model of coupling WRF and DHSVM” by Q. Zhao et al.***

**S. Bhagwat**

surgriver@rediffmail.com

Received and published: 16 July 2009

This manuscript tried to simulate the snowmelt runoff forecasting by using the coupled atmospheric mesoscale WRF model and distributed hydrological model. It is an interesting and important topic, and includes a lot of efforts. The subject of this study and content of this manuscript are suitable for publishing in Hydrology and Earth System Sciences. However I think that the quality of the manuscript needs to be improved, and the paper needs well organized and clearly presented. I recommend this paper can be published after making the following major/minor revisions. All the figure captions are too simple, and all the descriptions of the figures in the text are too short. Please re-work on the texts and figure captions to show more details. I have listed but not

limited to some items below.

- 1) What are the background colors representing in Figure 1?
- 2) What is the soil parameter required in the hydrological model and what are the values for the soil parameter to match the different soil types shown in Figure 2?
- 3) What is the vegetation parameter required in the hydrological model and what are the values for vegetation to match the different vegetation types shown in Figure 3?
- 4) What are the numbers in Figure 4 representing?

---

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 3335, 2009.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper