Biogeosciences Discuss., 8, C2032–C2033, 2011
www.biogeosciences-discuss.net/8/C2032/2011/


Biogeosciences Discussions



# *Interactive comment on* "Effects of water discharge and sediment load on evolution of modern Yellow River Delta, China, over the period from 1976 to 2009" *by* J. B. Yu et al.

**J. B. Yu et al.**

junbao.yu@gmail.com

Received and published: 16 July 2011

General comments

This paper studies the relationship of Yellow River water discharge, sediment load and evolution of modern Yellow river delta during 1976-2009. In addition, the paper further discusses the effects of human activities and climate changes on the water discharge and sediment load, thus in turn affecting the delta development. The methodologies are sounded; Results and discussions are appropriate and convincible. Given the very dynamic evolution of the modern Yellow River delta, this paper provide the important information for decision making of soil and water conservation practice, and water di-

version projects.

R: Thanks

Special comments

Q1: Please describe the location of Lijin Hydrological Station.

R: Thanks for the comment. The Lijin Hydrological Station (118°18âĂš E, 37°31âĂš N), which is set up in June 1934, is one of important hydrological stations for nationwide rivers. It is a most downstream hydrological station in Yellow River and is about 104 km from the station to the estuary. The descriptions of location of Lijin Hydrological Station have been added in “2.2 Data and methods” in the revised version.

Q2: Change‘Speed’ to ‘rate’ on pages 9 and 10.

R: Thanks for the comment. We have changed “speed” to “rate” on page 9-11 in the manuscript.

---

Interactive comment on Biogeosciences Discuss., 8, 4107, 2011.