

***Interactive comment on “Building hazard maps of extreme daily rainy events from PDF ensemble, via REA method, on Senegal River Basin” by J. D. Giraldo and S. G. García Galiano***

**Anonymous Referee #2**

Received and published: 10 August 2011

- Pg 3818: The authors said that "These spatial-temporal distributions 20 could be considered by local stakeholders in such a way as to reach a better balance between mitigation and adaptation". I think that the concept of Local stakeholders need to be clarify! As you know, the Senegal river basin is a transboundary catchment, and OMVS is charge of its management. It would be better if we can directly refer to this Authority that to "Local stakeholders" that is very wide; authors must be more targeted!

- Pg 3819: in addition to some reference, I think that we cannot talk about RCM in Senegal without taking into account these references:

C3359

Sylla M. B., Coppola E., Mariotti L., Giorgi F., Ruti P. M., Dell'Aquila A., Bi X., 2009a, Multiyear simulation of the African climate using a regional climate model (RegCM3) with the high resolution ERA-interim reanalysis, *Climate Dynamics*,

Sylla M. B., Gaye A. T., Pal J. S., Jenkins G. S., Bi X. Q., 2009b, High-resolution simulations of West African climate using regional climate model (RegCM3) with different lateral boundary conditions, *Theor. Appl. Climatol.*, DOI 10.1007/s00704-009-0110-4

Sylla M.B., Dell'Aquila A., Ruti P. M., Giorgi F., 2009c, Simulation of the intraseasonal and the interannual variability of rainfall over West Africa with RegCM3 during the monsoon period, *Int. J. Climatol.* (2009), DOI: 10.1002/joc.2029

- Pg: 3829: regarding the "Acknowledgements", there is formula accepted for AMMA project, see below

"Based on a French initiative, AMMA was built by an international scientific group and is currently funded by a large number of agencies, especially from France, UK, US and Africa. It has been the beneficiary of a major financial contribution from the European Community's Sixth Framework Re-search Programme. Detailed information on scientific coordination and funding is available on the AMMA International web site <http://www.amma-international.org>"

- Pg 3835: the situation map has no scale and north orientation; obviously for somebody who knows this Senegal river basin, there is no problem but it would be better if theses informations ca be added.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 3817, 2011.

C3360