

## ***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**

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- 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:

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 these informations ca be added.

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

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