

***Interactive comment on “Mathematical model to select the optimal alternative for an integral plan to desertification and erosion control for the Chaco Area in Salta Province (Argentina)” by J. B. Grau et al.***

**Anonymous Referee #1**

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Here is the list of corrections/explanations that should be made:

3.1. It's not clear that the zone is divided into six subzones that are studied in a SEPARATE AND INDEPENDENT way (whithout any relationship between the subzones). It's not clear that an initial matrix has been created FOR EACH SUBZONE.

3.3. It's necessary to explain in more detail the five alternatives. It's written only a short description of the alternative, but not what exactly means.

3.4. It is said that the 8 criteria are "more is better" kind, but reading 3.4.1, 3.4.2, 3.4.4

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and 3.4.7 you will find a contradiction: they are "more is worst".

3.4.6. There is no a clear definition of what this criterion means.

4.1.1. There is no a good explanation about the weights. May be, what is written in "4.3 Comments" should be here, to explain the weights chosen.

Table 1: It's necessary to clarify, for each criteria, if it is "more is better" or "more is worst" kind.

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Interactive comment on Biogeosciences Discuss., 7, 2601, 2010.