

### **Editor's Comment:**

#### **Revised paper\_2015\_JAERI\_16154\_v4**

Revised paper\_2015\_JAERI\_16154\_v4 cannot be accepted as it is in this version.

It needs major revision. Please see below some major suggestions.

**1. A native English speaker should certainly make a linguistic revision of the manuscript.**

2. In the text many times the word "vegetation" or uncorrectly "vegetations" is mentioned although it is obvious that "flora" is the subject.

#### **3. In Material and Methods:**

a. The first paragraph and Figure 1 should be under the title "Studied area" in M & Ms. This paragraph should be totally rephrased (see also comment c below).

b. Methodology is not well described in "**2-1- Floristic inventory**". If I have understood well, the authors have studied a. the flora in the whole area and b. the floristic composition of 10 small squares of approximately 400 m<sup>2</sup> of surface in each type of vegetation crossed by the line of high voltage.

So, methodology should be enriched and much better described. The authors noted presence-absence of the plant species or they also used plant cover, plant vitality etc.

c. The 5 vegetation types just mentioned here should be described shortly but clearly in the first paragraph of M& Ms

d. Figure 2 should be omitted. It is not offering anything new to the text.

#### **4. Results:**

a. "3-1- Actual statute of the vegetation": this sub-chapter don't belong to results. It presents a -three lines- description of the vegetation and 4 photos. It should be moved to the first paragraph of M& Ms.

b. "3-2- Wealth and specific diversity of the sector of Agboville": What do the authors mean by this title?? Possibly it should be rephrased to: "Plant species diversity of the sector of Agboville".

c. In "3-2- Wealth and specific diversity of the sector of Agboville": 81 species are mentioned although in the abstract 89 are mentioned. It should be corrected.

d. In "3-2- Wealth and specific diversity of the sector of Agboville": Table 1. Three decimal points are enough for Fr, Pi and H

e. In "3-3- Species with particular status inventoried in the zone": The sentence "Five (5) species with particular status were inventoried in this flora (table 2). Among these species, some are vulnerable; some present risks of extinction, others still in danger because of their intense uses" should be changed to

"Five (5) species with particular status have been registered. Among them, four (*Antrocaryon micraster*, *Cordia platythyrsa*, *Entandrophragma angolense* and *Milicia excelsa*) are vulnerable and one present risks of extinction according to IUCN (2013)." Table 2 should be deleted and species should be checked using IUCN Red List 2013 or 2014 and not 2009 (Be careful correct UICN to IUCN).

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f. In "3-4- Identification, analyzes and evaluation of the impacts of the project" the paper describes results for which there is not any methodology described in M& Ms.

5. **References** are rather a few for such a subject. The authors should use more references in order to enrich the **discussion** and improve the paper.

**Editor's Details:**

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