

# ***Interactive comment on “Changing patterns of fire occurrence in proximity to forest edges, roads and rivers between NW Amazonian countries” by Dolors Armenteras et al.***

**Dolors Armenteras et al.**

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Thank you for all your comments. We will clarify the text and change it to “For fire data we used the MODIS satellite active fire datasets (MCD14DL, from both Aqua and Terra sensors download from January 2003 to January 2015) through the FIRMS (Fire Information for Resource Management System: Archiving and Distributing MODIS Active Fire Data, Collection 6). We only used data with confidence levels over 30% (nominal and high confidence fires as applied in Armenteras et al., 2016; Chen et al., 2013a). We standardized fire occurrence by the area in km<sup>2</sup> of the unit of analysis, so we used fire density (Number of occurrences per 1000 km<sup>2</sup>) as fire variable. We will also clarify the fact that we use the coordinate of the center of the pixel in the text. We agree

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with the reviewers comment regarding the limitations of the data and with the fact that the resolution (1-km) of the MODIS fire data is a potential limitation when analyzing these type of patterns but the overall conclusion is not affected and the uncertainty is widely distributed so the country differences are still valid. We anticipate that the improvement of these patterns with the higher resolution (375m) Visible Imaging Infrared Radiometer Suite (VIIRS). As this dataset becomes fully available, it will be critical to re-examine these relationships, at higher resolution. The archives of VIIRS data are not yet available, only weekly datasets and in any case still there is a limit of a couple of years of data so far available.

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