

RESPONSE LETTER

Review of Manuscript No.: esd-2017-35

Title: SPREAD: A high-resolution daily gridded precipitation dataset for Spain

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POINT BY POINT: REVIEWER #1 COMMENTS:

GENERAL COMMENTS

The manuscript is very interesting dealing about a public high-resolution daily gridded precipitation dataset for Spain and Balearic and Canary Islands. This dataset is very important and useful because data can be used in other type of studies. On the other hand, authors used the dataset to analyze the frequency and intensity of extreme precipitation events and the spatial distribution of daily precipitation in peninsular Spain, Baleares and Canarias.

Thank you for your comments. We also think that this dataset could be useful to many other disciplines. The public availability of the data will help the researchers to deal with a final and reliable product of climate data.

SPECIFIC COMMENTS

- I suggest to modify the title to authors because apart from building SPREAD they analyze the frequency and intensity of extreme precipitation events and the spatial distribution of daily precipitation using different indices. Some conclusions of these analyses should be also included in the abstract.

A short statement in the title has been added as suggested to indicate the analysis of the extreme precipitation developed in the manuscript. The title is now: "*SPREAD: A high-resolution daily gridded precipitation dataset for Spain. An extreme events frequency and intensity overview.*".

Also, main conclusions of the extreme precipitation analysis have been added in the abstract (see page 1; lines 17-19).

- **Pg. 2: Martínez et al, 2007 is not in the references list**

Sorry for mistake. The year of publication was wrong, the correct reference is in the list now.

- **Pg. 6: Keggenhof et al, 2014 is not in the references list**

Thanks; the reference has been added to the list.

- **Pg 13: Herrero et al, 2016; Militino et al, 2015; Marquínez et al, 2003 are not in the references list**

Thanks; the references have been added to the list.

- **Pg 14: Herrera et al, 2012a is not in the references list**

Sorry for mistake. The correct reference is "Herrera et al., 2012". Corrected in the text.

- **Martínez et al, 2010 is not in the main text**

Thanks; this reference was wrong. It has been removed from the references list.

- Please, arrange references according to the guidelines.

All the references have been revised and changed according to the guidelines of the journal.
