

SUPPLEMENTARY MATERIAL

Link to access climate data (ETA)

[:https://lattesdata.cnpq.br/](https://lattesdata.cnpq.br/)

<https://lattesdata.cnpq.br/dataset.xhtml?persistentId=doi:10.57810/lattesdata/WAVGSL>

2. Model used for land use:

The model can be downloaded from the site below. All steps must be followed as outlined in the tutorial, and to include the climate change scenarios, the corresponding transitions for those scenarios must be added.

Land use data:

<https://brasil.mapbiomas.org/colecoes-mapbiomas/>

Land-Use Harmonization (LUH2)

<https://luh.umd.edu/>

[https://figshare.com/articles/dataset/Global IGBP LULC projection dataset under eight SSPs-RCPs/20088368/1](https://figshare.com/articles/dataset/Global_IGBP_LULC_projection_dataset_under_eight_SSPs-RCPs/20088368/1)

Here is the tutorial to create the model

https://www.csr.ufmg.br/dinamica/dokuwiki/doku.php?id=lesson_18

The model used can be downloaded here: We use the **LUCC_model**

https://www.csr.ufmg.br/dinamica/dokuwiki/doku.php?id=guidebook_star

[t](#)

Data Land Use

Due to their size, the simulation data can be made available upon

request: nelson.pa.mateus@gmail.com

Considered classes

- 1- Native Forest
- 2- Planted Forest
- 3- Savanna Formation
- 4- Farming
- 5- Non-Vegetated Areas
- 6- Anthropogenic
- 7- Water

Transitions used in the context of climate change:

- 1 - 4
- 1 - 6
- 2 – 1
- 2 - 4
- 3 – 4
- 4 – 1
- 5 - 4
- 7 – 4

Fig. 1: Context of the study area and main transitions used

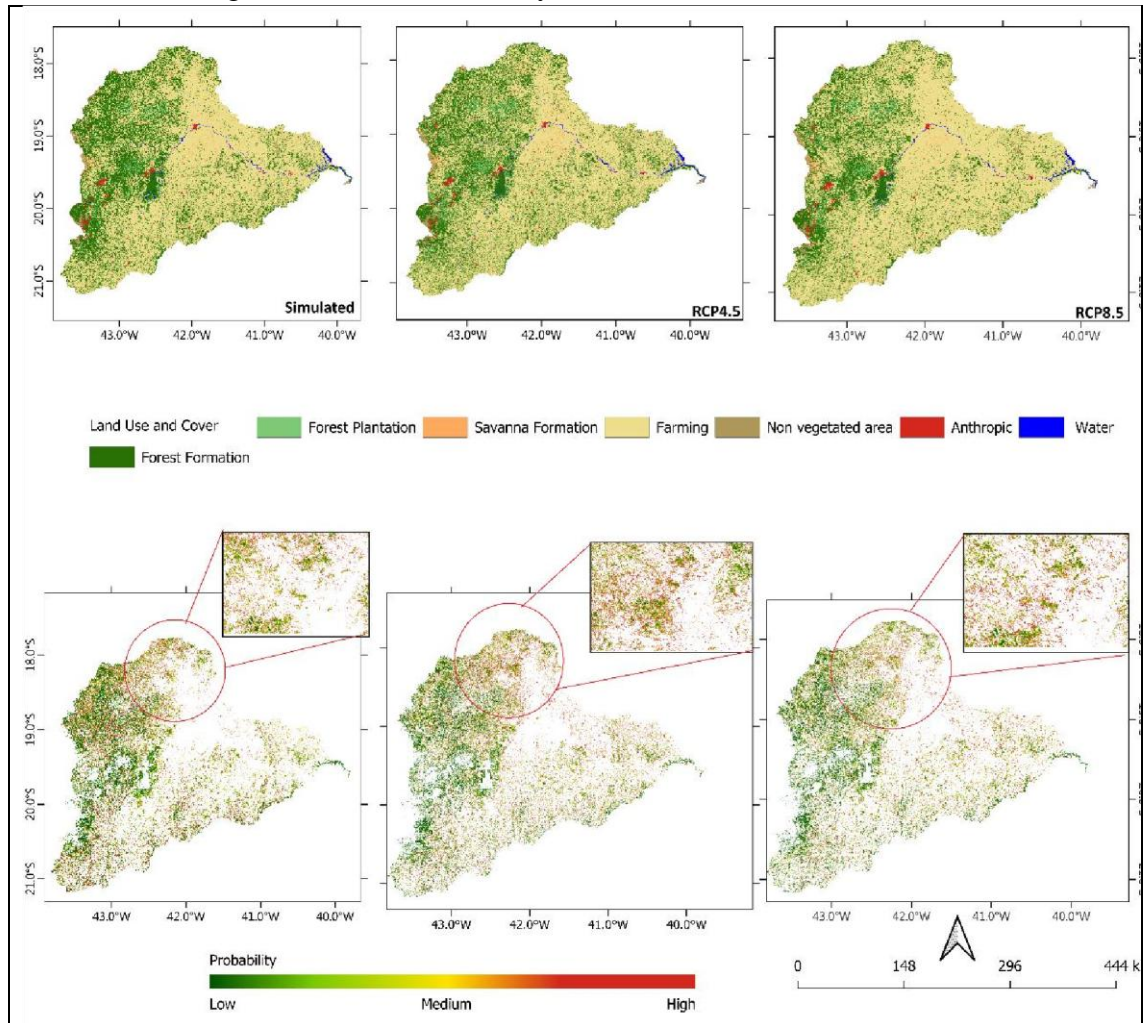
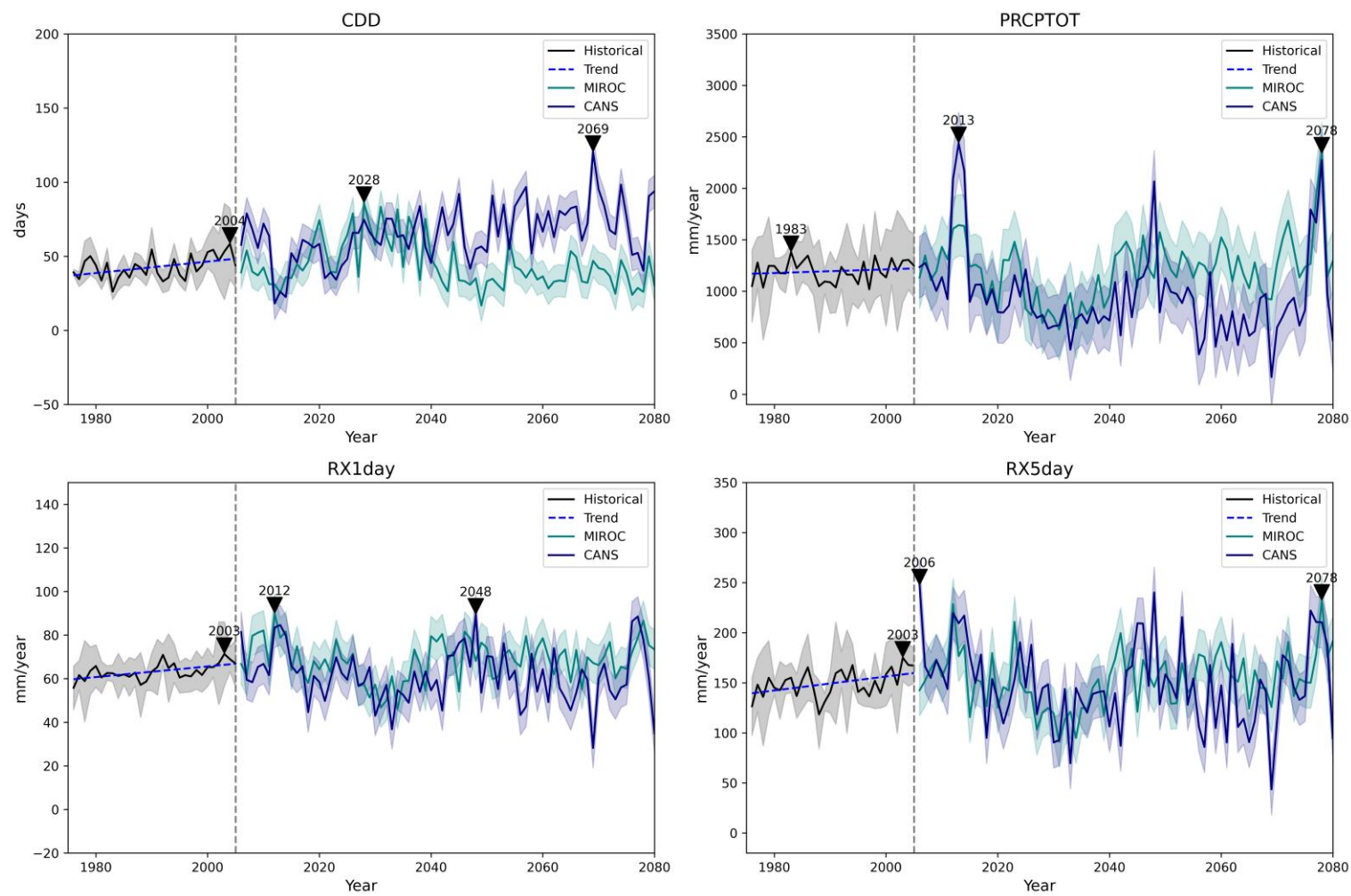


FIGURE 16: Annual Trends of Extreme Rainfall Events. RCP4.5 and RCP8.5



RCP8.5

