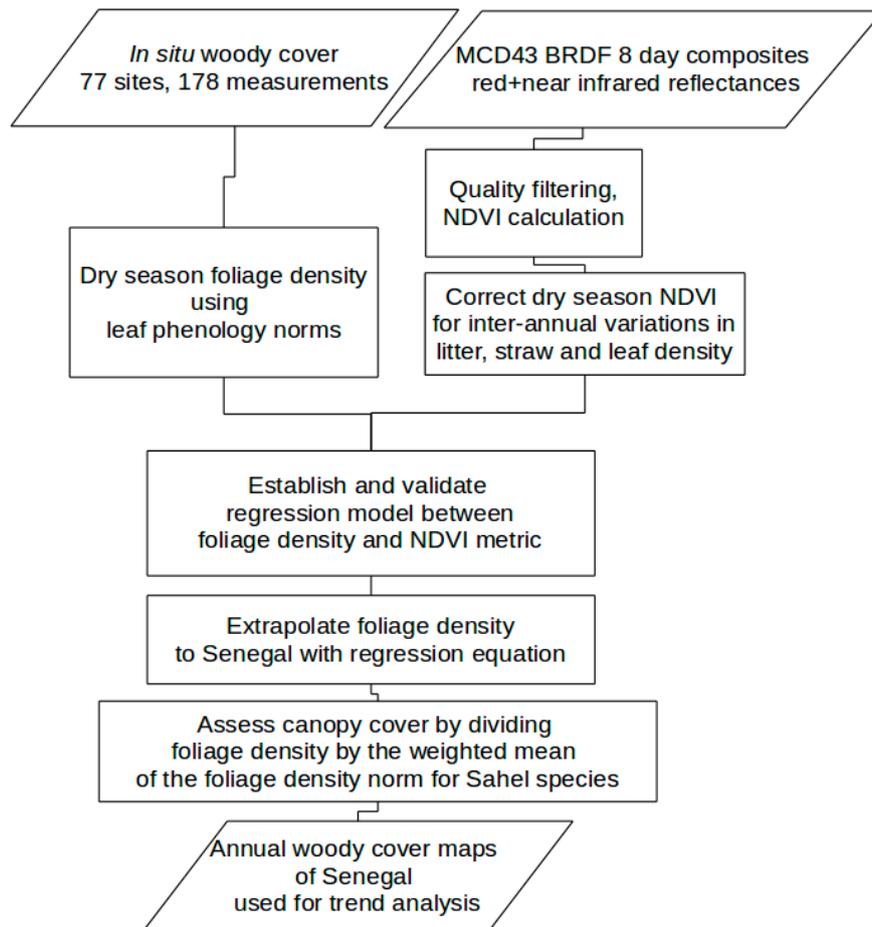


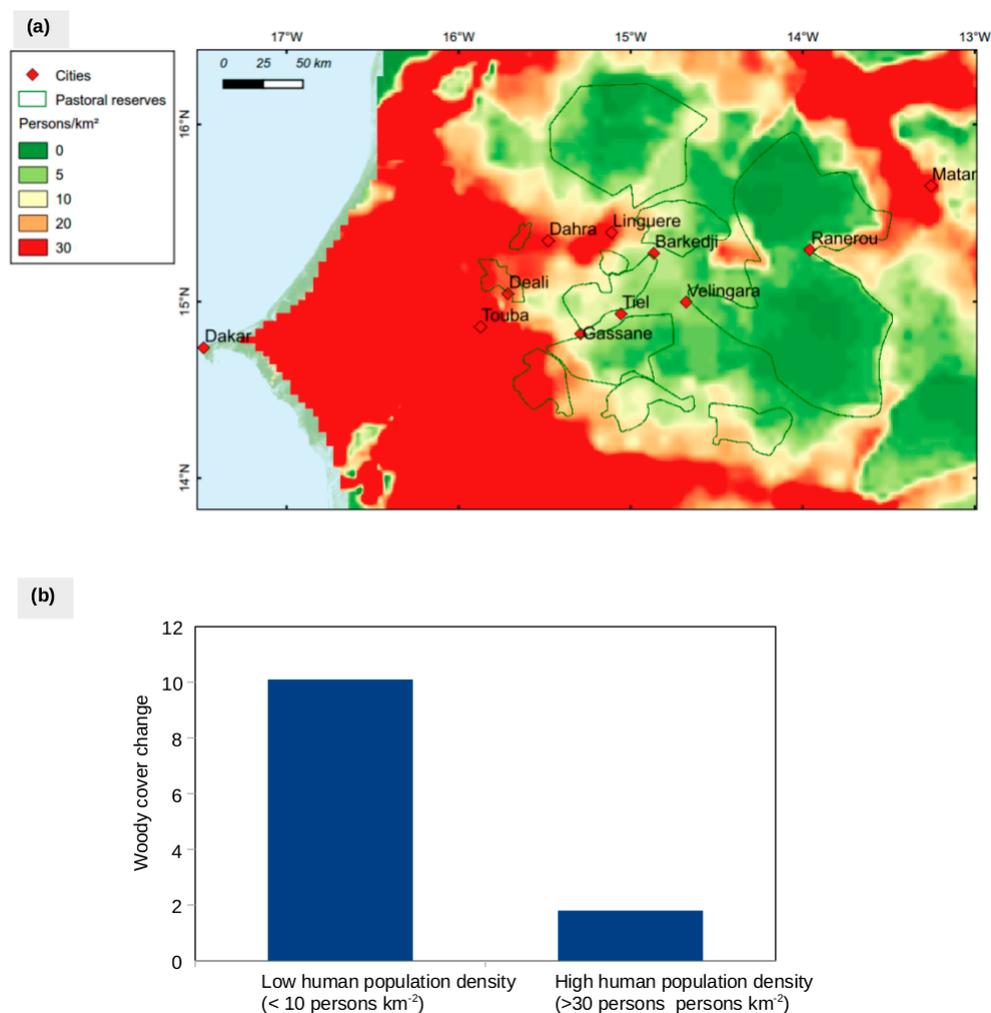
# Supplementary Materials: Woody Vegetation Die off and Regeneration in Response to Rainfall Variability in the West African Sahel

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**Figure S1.** Flowchart illustrating the method for MODIS based woody cover estimations. Adapted and modified from Brandt et al., [1].

For a full description of the methodological workflow see [1].



**Figure S2.** Human population density and woody cover changes [1]: (a) Human population density derived from the African Population Database for the year 2000 for Senegal. The pastoral reserves are sparsely populated. These are also the areas with the highest increase in woody cover; (b) Woody cover changes in Senegal vary greatly between areas with high and low human population density.

Please see [1] for more details.

## References

1. Brandt, M.; Hiernaux, P.; Rasmussen, K.; Mbow, C.; Kergoat, L.; Tagesson, T.; Ibrahim, Y.Z.; Wélé, A.; Tucker, C.J.; Fensholt, R. Assessing woody vegetation trends in Sahelian drylands using MODIS based seasonal metrics. *Remote Sens. Environ.* **2016**, *183*, 215–225.



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