

## ***Interactive comment on “A climate network perspective of the intertropical convergence zone” by Frederik Wolf et al.***

**Anonymous Referee #3**

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The authors consider functional networks of climate data to understand differences in the dynamics of the ITCZ in state-of-the-art global circulation models. They verify that network modelling correctly identifies that extratropical-tropical connections are important in setting the tropical climate. Also, a strong correlation between Hadley cell strength and ITCZ position is observed in the pattern of connections inside the network. The paper provides important results to understand climate dynamics. My only concern is about the hierarchical clustering, which provides results that depend on the approach considered, such as single or maximum linkage or the Ward method. I suggest the authors to verify whether the results change when these methods are considered in the data clustering step.

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