Anonymous Referee #2

Biomass Burning and Gas Flares create the extreme West African Aerosol Plume Which Perturbs the Hadley Circulation and thereby Changes Europe’s Winter Climate

Topic of this paper itself is interesting as in the future there will be interesting emerging aerosol patterns in Africa. This paper concentrates on Biomass burning aerosols on western part of Africa and their influences on European winter climate.

General comments:

While the topic is relevant and interesting, the author interpreted causality from only correlation from different datasets. Example, one can include climate model analysis where individual aerosol sources and their effects are studied separately. Author does not present any evolution of different aerosol species but assumes that observed trend is anthropogenic and not an example dust from Sahara. Author should include also relevant previous studies and link these to new narrative of region aerosols and emerging aerosol patterns. The topic itself is relevant but this draft needs much more detailed analysis to be accepted as scientific publication.