Review to manuscript essd-2026-701

The paper presented by Ekberzade describes the harmonized and geographically validated administrative wildfire inventory for Turkiye spanning the years 2013 – 2025, derived from official records maintained by the General Directorate of Forestry of Turkiye.

The paper gives a good overview of the motivation and usefulness for such a database. It describes short but precisely the workflow used for the data harmonization and coordinate validation. The fire events are primarily validated/compared against a high-accuracy turkish administrative map, and in case of mismatches validated by VIIRS satellite data, while using VIIRs as validation is a common standard. As most of the fire events are outside of the VIIRS detection capability due to their small size (<1 ha), the workflow uses a pragmatic approach to still locate, and or validate the event and this way preserve the information stored in it. Especially statistical analyses based on this data set profit from this approach.

The results and discussion sections show the main characteristics of the data set and transparently communicates errors and their resulting limitations, giving also examples showing in which case, which data could be helpful or should be excluded or interpreted carefully.

Apart from the very sound description of the data set itself and the used workflow, the publication would benefit to show also the potential, limitations, and requirements of the adaption of the presented workflow to other countries fire event inventories. The workflow used looks simple in its core, but needs a profound base of data. As I can see from the provided R-script, especially the first step includes a lot of manual data revision work, reading in different formats of the data from the administrative inventory. This should be highlighted in the manuscript and lined out as a basis to transfer the approach to other data sets from administrative inventories.

The manual work done and the effort to produce this national data set justifies the publication, and demonstrates the uniqueness of the work.

The database itself is accessible, complete, comprehensible structured, and well documented. It provides complementary data for authorities as well as scientists in an accessible, structured way. The manuscript essentially enhances the understanding and therefore the reproducibility of the presented data.

Overall I recommend the final publication of the manuscript with the following minor and technical revisions:

- add limitations, potential, requirements of workflow transfer to other national inventories
- consider to add a simple process figure of the workflow used, in order to quickly understand the main steps and their requirements
- Figure 1: increase text size within the map. Consider to devide into two maps of same size (like a) above and b) below) to have more space for explanation
- add the publication to the data set on zenodo