This paper presents the technical aspects of the new freely available drop size distribution (DSD) database in Italy contributed by the disdrometer network from the corporation of seven Italian institutions, namely the Italian Group of Disdrometry (GID). This paper documented the technical details of the two types of laser disdrometers in the GID, six Thies Clima Laser Precipitation Monitor and two OTT Parsivel 2. The raw data was filtered by the fall velocity criterion to the 1-minute size-velocity matrix before computing of the DSD, and further filtered by the rain/no-rain criterion. The data was stored and shared in yearly XLSX files. The work documented in this paper does contribute to the frontier in the field of precipitation measurements, and promotes the expansion of the disdrometer network.

Comments:

- The data was shared through webpage, https://doi.org/10.5281/zenodo.6875801. The most up-to-date data was in year 2021, which means data in this year 2022 is yet available. It is suggested to update the data on more frequently.
- It is also not very clear how the data sharing workflow is organized. It looks like we have some DSD data from eight disdrometers shared online, but not sure whether the data will be update in the future and if there is any delay for the latest data to be published online.
- In future work, I suggest using modern ICT methods to enable the automation and reduce the time delay in the data collection, data transferring, data processing and data sharing.