

Research pilot in urban area of Novi Sad (Serbia)

the first option: outdoor thermal conditions in different urban designs - it will be a short-term mobile measurements using heat tracker Kestrel instruments and micrometeorological carts - MMCs and these instruments are for monitoring the outdoor thermal comfort on micro level. We use these instruments mostly during the extreme heat events and plan that in 2022/2023 have measurement campaigns. Therefore, some of field monitoring could be part of case study. From these instruments we can obtain different thermal comfort parameters that could be useful in further analysis.

the second option: we have datasets from 17 stations in urban area of Novi Sad and those data sets are in 1-hour resolution from July 2014 to December 2017. We can say now that they are some sort of historical data. Unfortunately, this network does not work anymore. Based on these datasets (it is T_a and RH) we can calculate outdoor thermal comfort indices, such as PET/ T_{mrt} . That kind of OTC indices also should be part of Micromet_KSP and could be useful for researchers.