Supplementary file to the paper "Microclimate assessment and outdoor human comfort enhancement of a historic village in Sardinia, Italy"

Software versions

- QGIS version 3.34.10 - Prizren;
- ENVI-met version 5.6.1 - Winter23, which uses the German VDI 3787 Standard, 2008, to calculate the Predicted Mean Vote (PMV).

Supplementary figures

Figure 1S. Visual map of the conservation state of the BUs. The parameter goes from the maximum degradation of the building (0 - building in ruin), to no degradation detected (6). The map was built using data from direct observation of the built fabric and the photographic campaign. Source: authors.

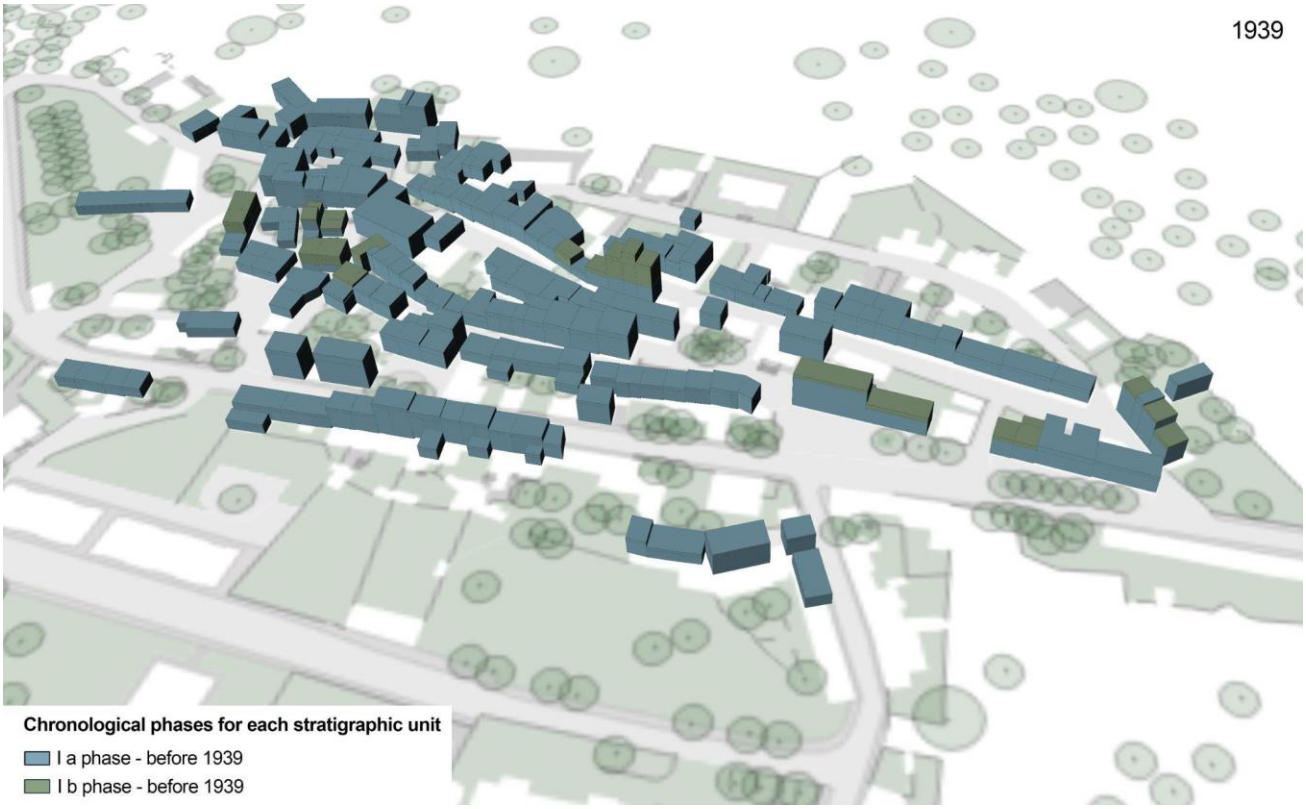

Figure 2S. The first chronological phase (subdivided into I a, I b) of the stratigraphic units in a three-dimensional representation of the historical centre in its 1939 state. The analysis comprises two phases, subsequent but both of which belong to the period before 1939. Source: authors.

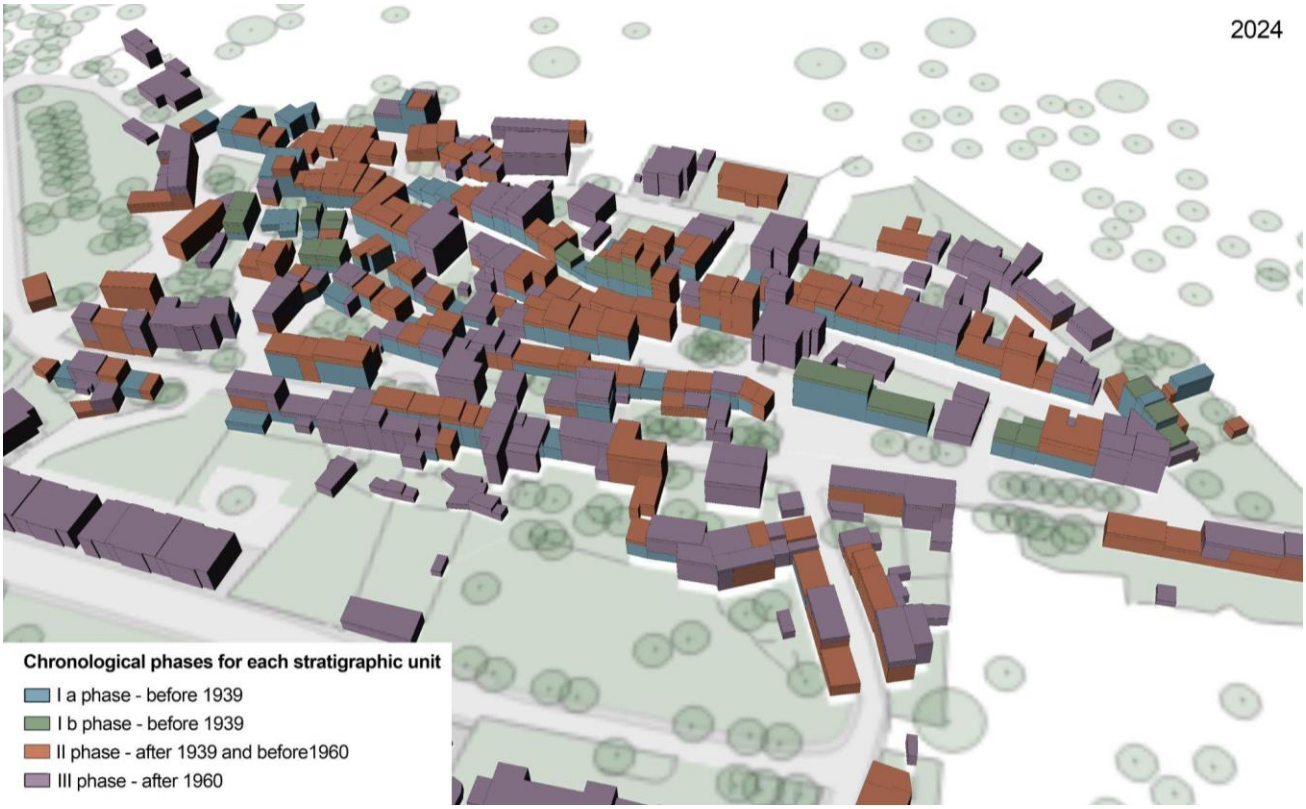

Figure 3S. The chronological phases of the stratigraphic units in a three-dimensional representation of the historical centre in its current state. The analysis comprises three phases, from the most ancient (before 1939, I a and I b) to the most recent (after 1960, III). Source: authors.

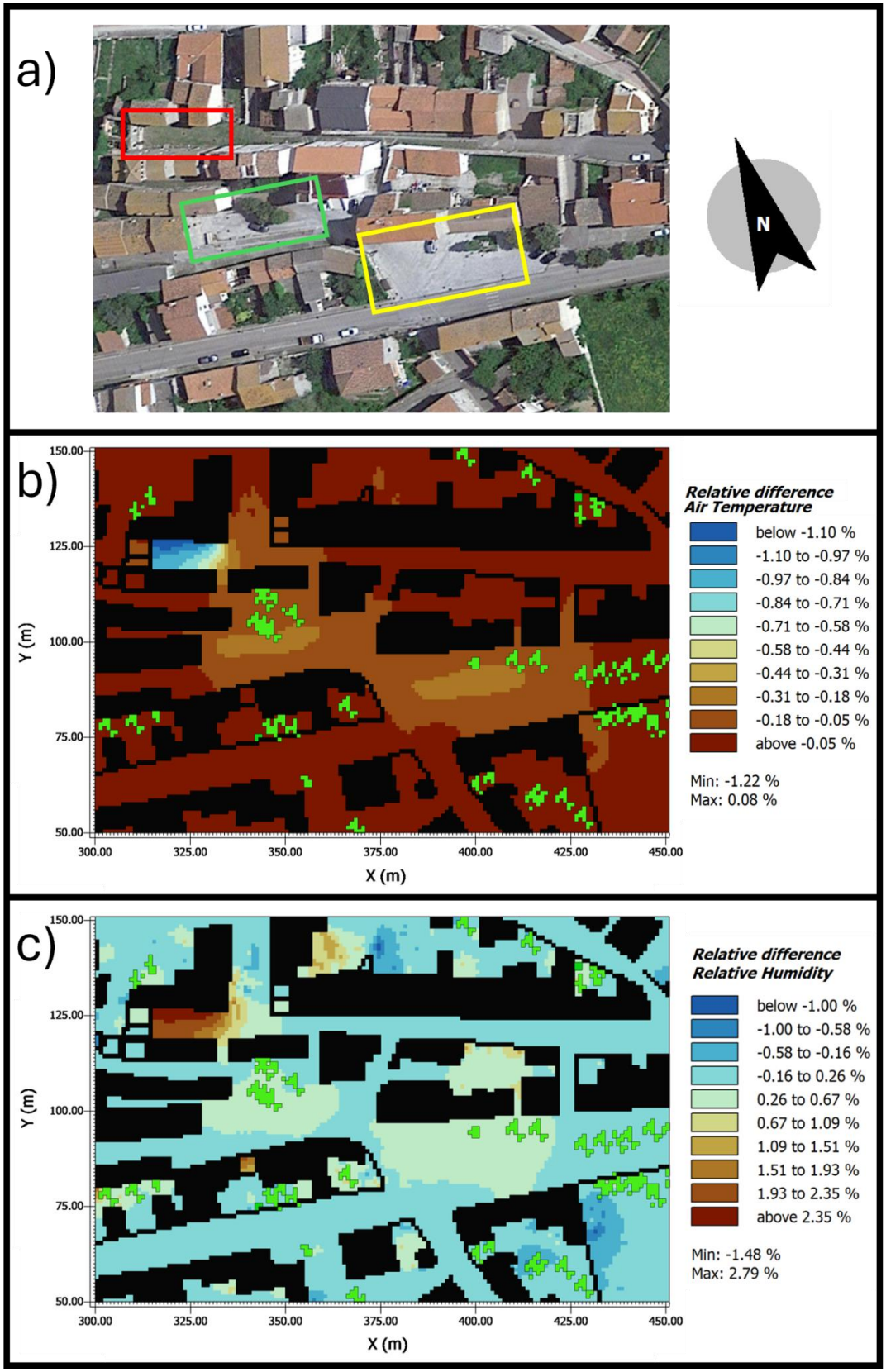

Figure 4S. Microclimate analysis after the mitigation interventions (LAD = 0.5 m^{2}/m^{3}, no spray) at 14:00 of July 12th, 2024: a) orthophoto of the analysed area; from b) to c) relative difference between the microclimate drivers before and after the intervention: b) air temperature, c) relative humidity; all values

in [%] and at 1.5 m above the ground. Source: a) graphic elaboration by authors from Google Satellite, from b) to e) authors.