



EGUsphere, referee comment RC2
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Comment on egusphere-2022-225

Anonymous Referee #2

Referee comment on "Building-scale flood loss estimation through vulnerability pattern characterization: application to an urban flood in Milan, Italy" by Andrea Taramelli et al., EGU sphere, <https://doi.org/10.5194/egusphere-2022-225-RC2>, 2022

The theoretical framework needed to understand the presented study is written in a clear way, explaining the concepts of Source-Pathway-Receptor-Consequence model and damage function.

The flooding event was introduced with the corresponding locations and references. The process followed to simulate the flood was explained in a clearly, with the data and tools that were used.

The damage assessment started from the building structural conditions, which were classified according to the building characteristic retrieved from official sources. Then, according to each building classification and the flood impact from the simulation, the damage was calculated using a heuristic and a probabilistic approach, each one for three scenarios: 10, 100, and 500 years return periods.

The paper is informative and well written and can be published in the present form