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Automatized and georeferenced energy assessment of an Antwerp district based on cadastral data

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HIGHLIGHTS

- The District Mapping Module calculates the annual and hourly heating, cooling and domestic hot water energy demand per each building of the area under study.
- Application and validation of the district mapping module in the historical district of Antwerp (Belgium)
- Validation of the proposed method comparing the results of the case study with Energy Plus simulation tool results and real natural gas consumption data.
- Evaluation of the influence coefficient of each input parameter by a sensitivity assessment.

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