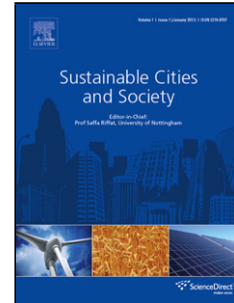


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Title: A mixed POD-PGD approach to parametric thermal impervious soil modeling: Application to canyon streets

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We propose a parametric model dedicated to urban soil thermal modeling. A combination of two reduced-order methods, i.e. POD and PGD, is presented. Calculated temperatures are evaluated with respect to in situ measurements. The parametric soil model is coupled with the SOLENE-microclimat tool. Its accuracy and computational cost are evaluated in an urban setting.

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