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State-of-Art in Urban Climate Projections

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Message from the Guest Editors

In this Special Issue, we explore scientific advancements of methodologies and tools that can provide logical climate forecasts or projections that adequately consider pathways of land cover changes (or even unprecedented global changes, such as the current COVID-19 pandemic). The expected time scales are from short-term (e.g., weeks, months) to long-term (i.e., decades, centuries), with spatial scales covering anything from cities to the whole planet. The topics of interest include but are not limited to the following:

- Climate change/projection models released or updated within the recent decade;
- Climate projections, or methodologies of such, which consider realistic changes of the land surface;
- Climate projections, or methodologies of such, which consider unprecedented global disasters (e.g., COVID-19);
- Proposals/strategies to forecast changes in the land surface that are climate-induced or vice versa;
- Multiscale downscaling of climate projections;
- Recent developments, implementations, or methodologies in global climate models to estimate future climate projections.