



Building Renovation—Towards a Decarbonized Building Stock 2050

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Message from the Guest Editors

Dear Colleagues,

The building sector accounts for approx. 40% of primary energy use and associated CO₂ emissions, and it is expected that 85–95% of the existing building stock will still be here in 2050. Therefore, energy-efficient renovation and utilization of renewable energy sources will play a key role in the transition towards a low emission society. Most countries have already set ambitious goals for reducing energy use in existing buildings and, e.g., the EU has set a goal to have a completely decarbonized building stock by 2050. Renovation rates, however, are much too low at the moment (e.g., 1% per year in Europe), and there is a need for strategies and initiatives that can speed up the process considerably if ambitious goals are to be reached.

This Special Issue intends to present a selection of papers addressing a wide range of approaches and tools, with the objective of promoting an effective transition to a low carbon economy focusing on the key elements of the renovation strategy.

More details at:

https://www.mdpi.com/journal/sustainability/special_issues/building_renovation_2050





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