



Decarbonization and Circular Economy in the Sustainable Development and Renovation of Buildings and Neighborhoods

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Message from the Guest Editors

In recent years, the building sector has been turning towards intervening in the existing city building stock. In fact, it is generally accepted that the refurbishment of buildings and urban regeneration based on sustainability must form the axis of reformulation of the building sector. At present, achieving sustainable urban development inevitably involves improving existing buildings, thereby preventing the need for city growth, and for the emptying of established neighborhoods. Furthermore, considering the whole life cycle, the great amount of greenhouse emissions derived from the construction sector is well known; thus, in order to reach a decarbonized society, it is important to provide eco-efficient construction materials and solutions, adding the principles of the circular economy and resource efficiency. Therefore, the theme of this Special Issue is the “Decarbonization and Circular Economy in the Sustainable Development and Renovation of Buildings and Neighborhoods” in response to the objectives not only raised in the Horizon 2020 but by all the people who seek a more sustainable world.





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