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ENVIRONMENT SYSTEMS

3rd SEE
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Conference
Novi Sad
2018



June 30 -
July 04, 2018,
Novi Sad,
Serbia

BOOK OF ABSTRACTS

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INTERNATIONAL CENTRE FOR SUSTAINABLE DEVELOPMENT
OF ENERGY, WATER AND ENVIRONMENT SYSTEMS



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ISSN 1847-7186 (book of abstracts)
ISSN 1847-7178 (digital proceedings)

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SDEWES.SEE2018.0126

Opportunities and Barriers for Deep Renovation in Serbia

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Abstract

In this paper insights on existing market barriers for implementation of deep renovation in Serbia will be presented and discussed. Article 4 of 2012 EU's Energy efficiency directive pointed building renovation and building stock as integral part of strategy for energy efficiency improvement in EU. Current deep renovation rate in EU is estimated on 1.2% annually with clear recommendation that it should be at least 2-3% per annum (with special target for the public sector of 3%). At the same time energy performance of deep renovations should be improved for at least 60% compared to pre-renovation levels or to aim towards Nearly Zero Energy Buildings (NZEB) performance.

While deep renovation concept is struggling in EU to become standard for achieving energy savings in old buildings and is still mostly in the form of pilot research projects, this concept is non-existing in West Balkan Countries to the level that term deep-renovation isn't even translated to Serbian.

Knowing that new constructions in Serbia are approximately 1% of the building stock per annum it is of immense importance to focus on old buildings rather than just concentrating on standards for new buildings. In reality it is easier to concentrate on new building stock and to put aside the big challenge of moving the existing building stock towards low energy consumption. Bearing in mind that stock of relatively old and inefficient buildings in Serbia is too large to be ignored and renovations are sporadic (a 30-50-year renovation cycle is typical), it is crucial that most is made of every renovation opportunity.

Since public buildings are specially targeted for their leading and educational role for promotion of deep renovation, analysis of possible scenario for deep renovation programme will be discussed based on detailed data for one Serbian municipality and its public buildings. Also, some distinct market barriers unique for Serbia will be discussed.