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Affordable Housing for All

Redifining the roles of public and private sector

BOOK OF ABSTRACTS

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year is reduced by an amount of 25ton CO2, 6.2 ton SO2 and 0.06 ton NOx.

Keywords : Energy Efficiency, retrofitting technology, pollution, building model.

Healing homelessness and informality by re(pre)fabricating social and sustainable housing

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During Socialism, an interesting cheap and fast technology was implemented to build high-density housing units in Albania, called the “Parafabrikate-t”, which were no less than five-storey high buildings made with precast concrete panels. Prefabricated systems have been used recently in a variety of projects proving to be time, cost and energy saving solutions, too. Learning from the (Albanian) past and analyzing the recent examples worldwide where this technology has been implemented, should not be underestimated by the central government and local administrations, as long as budget limitations and lack of public land prevent them from satisfying the high demand for social housing. Although might seem unrelated, an interaction between the recently approved Social Housing Strategy 2016-2025, law Nr.116/2016 for the energetic efficiency, and the ongoing legalization process of informal buildings in the national territory, is more than possible to obtain land for building energetically efficient social housing units for everyone.

Keywords: Albania, prefabricated systems, social housing, sustainability, informality.

Energy performance assessment of residential building stock in Albania

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For more than 15 years, Albania is dealing with measures towards reduction of energy consumption (especially electricity). Since one of the biggest shares of energy consumption is from the residential sector, this paper will analyze the energy consumption of residential building stock, in terms of energy performance. In order to decrease the energy utilization in Albania, we first need comprehensive studies of the actual condition of this sector from the perspective of energy use and energy performance. The chosen typology is load bearing masonry construction, apartment building, type 83/3 and 83/7. This typology of buildings are constructed during the communist era, meaning that they are prone to huge amount of energy consumption because of the lack of measures related to energy efficiency and energy conservation, also time degradation is another very important ele-

ment to take into consideration while calculating the energy performance of the upper mentioned buildings.

Keywords : Energy Performance; Residential Building Stock; Energy Consumption; Load Bearing Masonry.