Symposium on Disaster Resilience and Built Environment Education: Celebrating Project Successes

Global Disaster Resilience Centre, University of Huddersfield, UK
15th - 17th September 2015

BOOK OF ABSTRACTS

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Book of Abstracts

Edited by

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Professor Richard Haigh

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Features of environmentally sustainable cities development in Ukraine

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The majority of Ukrainian residents live in cities. Meanwhile, large cities are industrial centers of the country. They have a quite developed economic component of sustainable development, but a bad environmental one. Nowadays, there is an expanding tendency to growth of large cities. Therefore, the existing problems of environmentally sustainable development of urban environment concern these cities. Despite the currently experiencing decline in industrial production in Ukraine, the industrial zones of cities pose environmental threats. Primarily, they are connected with the accumulation of industrial waste and other negative anthropogenic effects. Besides, acute economic and social problems in the country led to the deterioration of the housing and communal services of cities. They concern housing, water and sanitation, energy networks. Particularly notable are the issues concerning collection and disposal of municipal solid waste (MSW) as well as public transport. They have a complex character and depend on changes in the economic and social sectors which further form different kinds of environmental transformations. Areas of such transformations are associated with the modernization of industrial facilities and public utilities, which requires increasing resource and energy efficiency and environmentally friendly technologies. The major components of changes in the environmentally sustainable urban development are increasing housing construction and reconstruction of buildings, improving of MSW management, landscaping and environmental friendliness of transport. The article considers the issues of public participation in decision-making for the environmentally sustainable cities development and aspects of environmental conscienceness and education of citizens. It also provides the information on practical activities on the creation of eco-cities elements in Ukraine, as well as a smart sustainable city, including the environmental area as one of its components.

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