

Achievement of Livable and Healthy City through the Design of Green and Blue Infrastructure: A Case Study on City of Isfahan, Iran

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Abstract : due to towards the rapid urbanization, cities throughout the world faced to rapid growth through gray infrastructure. Therefore designing cities based on green and blue infrastructure can offer the best solution to support healthy urban environment. This conformation with a wide range of ecosystem service has a positive impact on the regulation of air temperature, noise reduction, air quality, and also create a pleasant environment for humans activities. Research mainly focuses on the concept and principles of green and blue infrastructure in the city of Esfahan at the center of Iran in order to create a livable and healthy environment. Design principles for green and blue infrastructure are classified into two different but interconnect evaluations. Healthy green infrastructure assessing based on; volume, shape, location, dispersion, and maintenance. For blue infrastructure there are three aspects of water and ecosystem which are; the contribution of water on medical health, the contribution of water on mental health, and creating possibilities to exercise.

Keywords : healthy cities, livability, urban landscape, green and blue infrastructure

Conference Title : ICUEEH 2017 : International Conference on Urban Environment and Environmental Health

Conference Location : Venice, Italy

Conference Dates : April 13-14, 2017