

# **Bridging Air Pollutants Distribution to 3D City Model: the Case of Chalandri Municipality, Greece**

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## **SUMMARY**

Modern cities form a complex environment as man-driven activities take place in a densely populated and over-exploited urban space, and have to deal with various environmental issues. Urban air pollution is one of the most severe problems cities have to deal with, due to the risks and the threats that represents for human health. In this paper, we present a methodology for bridging air pollutants' distribution to 3D city model in accordance to urban planning legislation. Current urban planning environmental rules and restriction and air pollutants' distribution are correlated to the Chalandri Municipality, Greece, 3D city model. The proposed methodology aims to facilitate local authorities and decision makers to monitor and evaluate air quality and raise public awareness on the hot topic of urban air pollution.

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