

**IMPLEMENTATION OF ENVIRONMENTAL POLICY IN URBAN
PLANNING: SOIL DECONTAMINATION BY BIO VENTING TECHNIQUE
IN EVOSMOS**

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ABSTRACT

An environmental soil and groundwater investigation took place in the frame of an EC program (LIFE 97 ENV/GR/ 000380) within an extended area of the municipality of Evosmos Thessaloniki. The investigation included a multilevel sampling of the subsoil, soil-gas and groundwater. The main soil contaminants were petroleum hydrocarbons. Based on these results the design and the implementation of the appropriate decontamination for the soil took place. The most appropriate decontamination measures for the indicated soil contamination proved to be the *in situ and on site* treatment of the soil with an *enhanced bioremediation method*. The applied technique of *Bio-Venting* was proved very effective.