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# ACOUSTICS 2012

## Le bruit dans les jardins familiaux d'Ile de France

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Allotment gardens usually situate in the vicinity of a transportation infrastructure and suffer from its pollutions. This study is focused on the allotment gardens in Ile-de-France and aims to suggest solutions to improve the soundscape in the existing ones and to present the appropriate environmental characteristics to create new gardens.

The noise maps of the transportation infrastructures made in 2007 and those of 2012 are used to assess the sound levels in these gardens. Several databases can be used : road and rail infrastructures, other indicators, classified for the environment installations, EDF installations... to investigate if the existing gardens are exposed to pollutions from multiple sources.

Some prospective sites exposed to different sound levels are selected thanks to this inventory.

Acoustic measurements will confirm this choice and the influence of the present equipments (shed, screen wall, anti noise wall...) will be analysed. Users' Interview are performed to examine how their use of the garden is influenced by the noise sources. Finally, the influence of the creation of protective devices on sound level at these sites will be digitally explored.