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Abstract Title:

Planning the optimum desirable land uses in peri-urban East Coast landscapes (USA) using the Aggregate-with-Outliers spatial concept

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[Land Use Planning at the Local Scale](#)

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Abstract:

Increasing the sustainability of multiple-use landscapes should be the main goal for strategic planning. Taking two historic agricultural landscapes inside the North East megalopolis, this paper is centred in finding a land use optimization model using the Aggregate-with-Outliers spatial concept.

On the surroundings of conventional urban regions, the North Pioneer Valley in Western Massachusetts and the Conestoga sub-watershed in Lancaster County Pennsylvania, are peri-urban areas appropriate to be analyzed for land use optimization planning purposes.

The application of the quantified differentials against a desirable land use distribution, gives tools allowing joint land use composition and configuration analysis for macro-diagnosing landscape. The final goal includes comparing those with the previous tests in European landscapes.

Keywords:

[Spatial concepts, aggregate-with-outliers, territorial systems, compositional analysis, North East megalopolis](#)
