FOSS4G 2006 - Free And Open Source Softwa

Contribution ID : 12

Planning for Noisy Activities Within Urban Patterns

Thursday 14 Sep 2006 at 14:00 (00h30')

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It can be difficult to locate activities that generate noise within urban patterns
such as highways, airports,
factories, and other activities.  A new GRASS landscape analysis program
r.decay.noise converts a map of
residential patterns into a map of complaint probability associated with placing a
given noise source anywhere
within a study area.  We will introduce and explain the approach used in this tool
and demonstrate its
applicability.  We will also introduce use of a related tool, r.decay, to generate
maps of night sky illumination
caused by urban patterns.  Both can be useful in the identification of historic and
projected changes in land
use opportunities.
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Session classification : Session 3 : GRASS Desktop

Track classification : GRASS

Type : Technical Conference