

Spatial Modelling in Decision Support for Land-Use Planning: a Demonstration from the Lal Lal Catchment, Victoria, Australia

IAN ALLAN and JIM PETERSON,
Monash University, Australia

Abstract

The outcomes of selected, contested development permit appraisals in a Victorian water catchment show that implications regarding the development status of other land parcels were not examined during negotiation and/or appeal. Given access to an adequate spatial data base, Geographical Information System (GIS) technology can be used to model such implications rapidly enough to be useful in decision support, thereby significantly widening the common ground that can be sought while seeking resolution to land-use planning conflicts.