

Operationalizing the LADM Valuation Information Model in ArcGIS

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SUMMARY

The LADM Valuation Information Model proposes to extend LADM to support property valuation with adding building, transaction, and value classes to an existing LADM country profile.

In addition to operationalizing LADM with the parcel fabric, ArcGIS has many tools and capabilities to operationalize valuation in the Land Administration Domain Model. With property valuation, spatial analytical tools are used in ArcGIS to visualize and predict sale prices based on existing market-based valuation models. The same tools can also be used to quantify the influence of individual property characteristics on value, while other GIS tools augment existing property characteristics intrinsic to the property with spatial characteristics. Configurable web-based applications can then enable stakeholders to explore results with an interactive dashboard style interface.

This paper will explore how to implement and operationalize the LADM Valuation Information Model in ArcGIS. It will discuss how to configure the components of the model to leverage the benefits of ArcGIS. Using ArcGIS valuers can achieve equitable valuations both in market value analysis and valuation banding. Conclusions will be shared and discussed.