

## Outline

- Importance of land administration systems
- Evolution of land administration systems
- Current cadastral data models
- The issues associated with the current models
- An alternative model
- How to implement the new model
- Conclusions



	Traditional	Modern
Objectives	Land market Security of tenure	Good governance (tenure security,) Sustainable development (wealth creation, use regularity,) Enhancing quality of life Civic participation Service to businesses
Functions	Tenure Value	Tenure Value Use Development Land information management
Characteristics	Limited number of interests Paper based Parcel based indexing Private interests Isolated subsystems	Broader range of interests e-Land administration system Spatially enabled land administration Public and private interests Intercoerable land administration system

## Can current cadastral data models address the modern requirements? Can they accommodate the growing number of interests? Are they spatially enabled? Can they offer enough interoperability for an e-land administration system?



























## **General relationship**



- The general relationship is not physically explicit; for example, the relationship between the owner(s) with an apartment
- For instance the same position may involve complex relationships among persons, each interested in a different way, for example as a car space, a water catchment, or as owner of the parcel.





