

Urban Land Management

Lecture-3

Land Management and Information System in Australia



LAND POLICY

- **Land policies are developed at state government level through planning policies and implemented by local government.**
- **Largely integrated with land use policies.**
- The original land policies determined what lands should be reserved for:
 - public use, e.g. foreshore and stream reserves, and
 - what lands should be released for alienation having regard to topography, fertility, etc.



Topographic Mapping at Federal Level

- Took place after the second world war as a joint initiative between the Federal Government and the State Governments.
- The country has been mapped at the smaller scales of 1:250,000 and 1:100,000.



Topographic Mapping at State Level

- States undertook to produce larger scale mapping, where it was required at 1:25,000 and 1:50,000.
- Australia is now covered by digital data sets collected at various scales, which have regard to the density of information and data.



Cadastral Mapping

- Cadastre has been digitised throughout the country with all jurisdictions having completed the digitisation process for all land parcels.
- It covers approximately 10.2 million parcels including freehold, state owned land, strata titles and a very small number of native title parcels.
- A seamless cadastral database, called 'Cadastral Lite' integrated from each of the jurisdictional data sets and coordinated on the national reference datum, is available from the Public Sector Mapping Agency Ltd.



Contents of the GIS based data include:

- parcel polygons,
- proposed parcels (future development),
- parcel identifiers,
- municipal council reference numbers,



Contents of the GIS based data further include:

- Road centre-lines and easements,
- Crown and freehold land differentiation.
- Each of the data feature is date stamped and uniquely identified.



Some other features of GIS based data

- Private land surveyors and many government agencies continually input cadastral detail validating and improving content.
- Both the **computerised land register and Digital Cadastral Data Base (DCDB)** in each state or territory are **updated daily**.
- Updates are available as whole file replacement or incremental files (changes only) with maintenance on-going daily and **incremental updates available fortnightly**.



Some other features of GIS based data

- Services to view and print cadastral information in most states are available via the Internet for a fee or available for purchasing through licensing agreements.
- Digital cadastral maps are available free of charge via the Internet with some limitations to information availability.

