

Data Infrastructure (SDI)



Abbas Rajabifard

Director, Centre for SDIs and Land Administration Head, Department of Infrastructure Engineering The University of Melbourne



Cadastre 2014

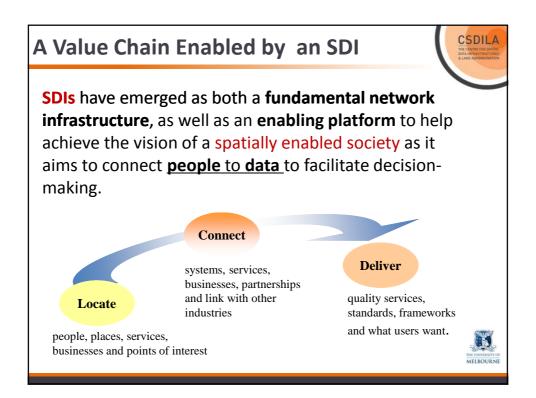


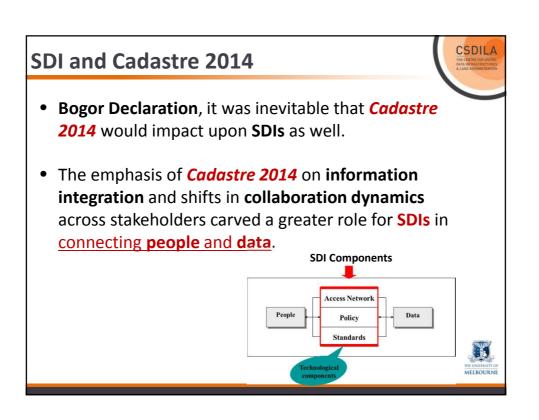


... Cadastre 2014 provided a simple yet effective framework for supporting the evolution of cadastral systems for the future. It established a set of universal principles that all countries could work towards.

On the event of its twentieth year since conception, I wish the driving team the very best and continued success in its endeavours.







SDI and Land Administration

CSDILA
THE CENTRE FOR SPATIAL
DATA INFRASTRUCTURES
& LAND ADMINISTRATION

SDIs together with **land administration**, can provide the <u>unique ability</u> to produce important and fundamental information about the **places people create and use** –

the cornerstone for supporting the development of a spatially enabled information environment.



Spatially Enabled Societies

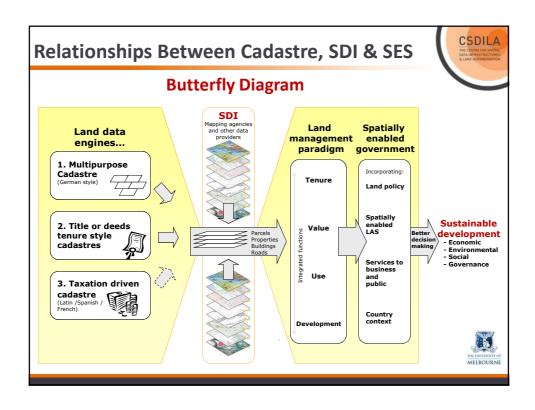


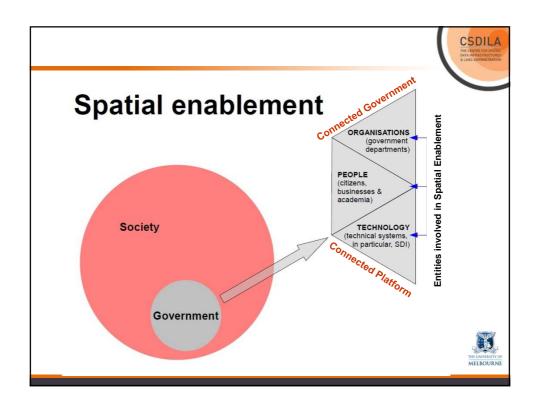
Spatially Enabled Societies has been driven by -the **cadastre** providing a <u>foundation in land and property</u> information and

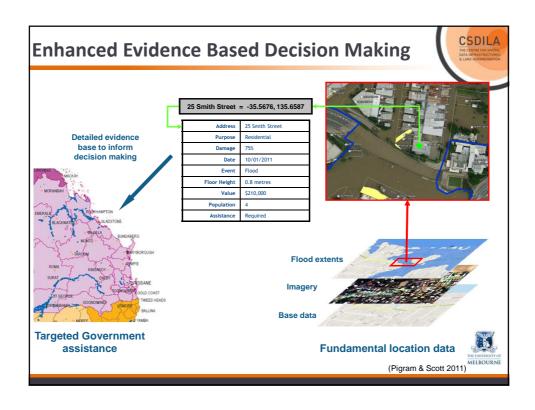
SDIs providing an <u>enabling platform</u> for facilitating location-based information and services;

..together, they present a powerful paradigm for building capacity for addressing the global agenda and achieving sustainable development goals.









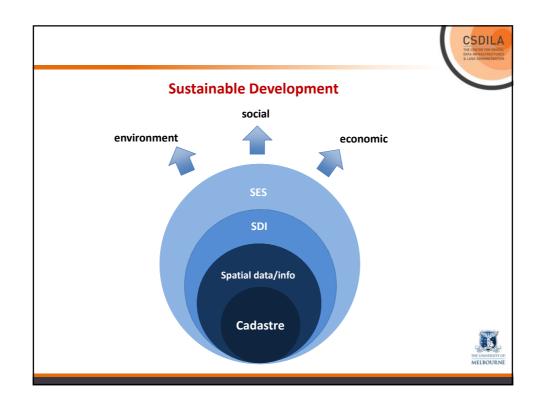






Six Key Elements for a SES

- Legal framework for basic geoinformation;
- Common Data integration concept:
 - legal and institutional independence of information (to allow for independent responsibilities);
 - · common geodetic reference framework;
 - · standardized data modelling concept;
- Positioning infrastructure for the common reference framework;
- Network infrastructure to enable integration and sharing of spatial data through the spatial data infrastructure SDI;
- Landownership information as one of the basic information topics;
- · Data and information:
 - · official, authentic, complete, comprehensive, updated;
 - · accessibility of data i.e. public sector information initiatives;
 - volunteered geographic information (VGI), web 2.0 possibilities.



Conclusion

CSDILA
THE CENTRE FOR SPATUL
DATA INFRASTRICTURES
à LAND ADMINISTRATION

Cadastre 2014 has been an important platform in helping to shape the future of SES;

.. in particular, in shaping the **cadastre as a foundation** for modern **LAS** and as **an important component for SDI** and the basis for the delivery of **SES**.





