



# Towards Spatially Enabled Societies

## The impact of "Cadastre 2014" in relation to Spatial Data Infrastructure (SDI)



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## Cadastre 2014

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...*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.

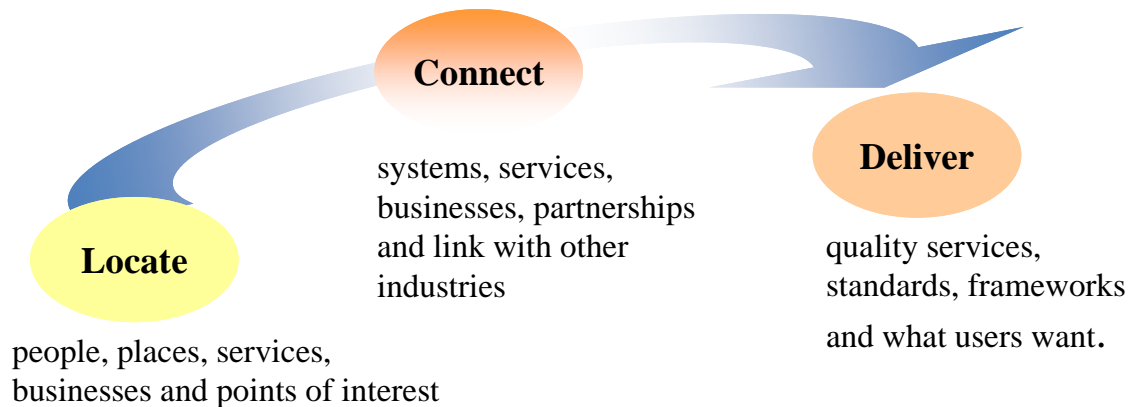
On the event of its **twentieth year** since conception, I wish the driving team the very best and continued success in its endeavours.



# A Value Chain Enabled by an SDI



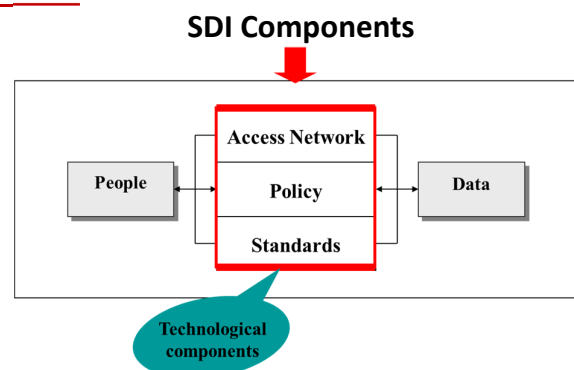
**SDIs** have emerged as both a **fundamental network infrastructure**, as well as an **enabling platform** to help achieve the vision of a **spatially enabled society** as it aims to connect **people to data** to facilitate decision-making.



## SDI and Cadastre 2014



- **Bogor Declaration**, it was inevitable that **Cadastre 2014** would impact upon **SDIs** as well.
- The emphasis of **Cadastre 2014** on **information integration** and shifts in **collaboration dynamics** across stakeholders carved a greater role for **SDIs** in **connecting people and data**.



# SDI and Land Administration

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**SDIs** together with **land administration**, can provide the unique ability 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**.



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# Spatially Enabled Societies

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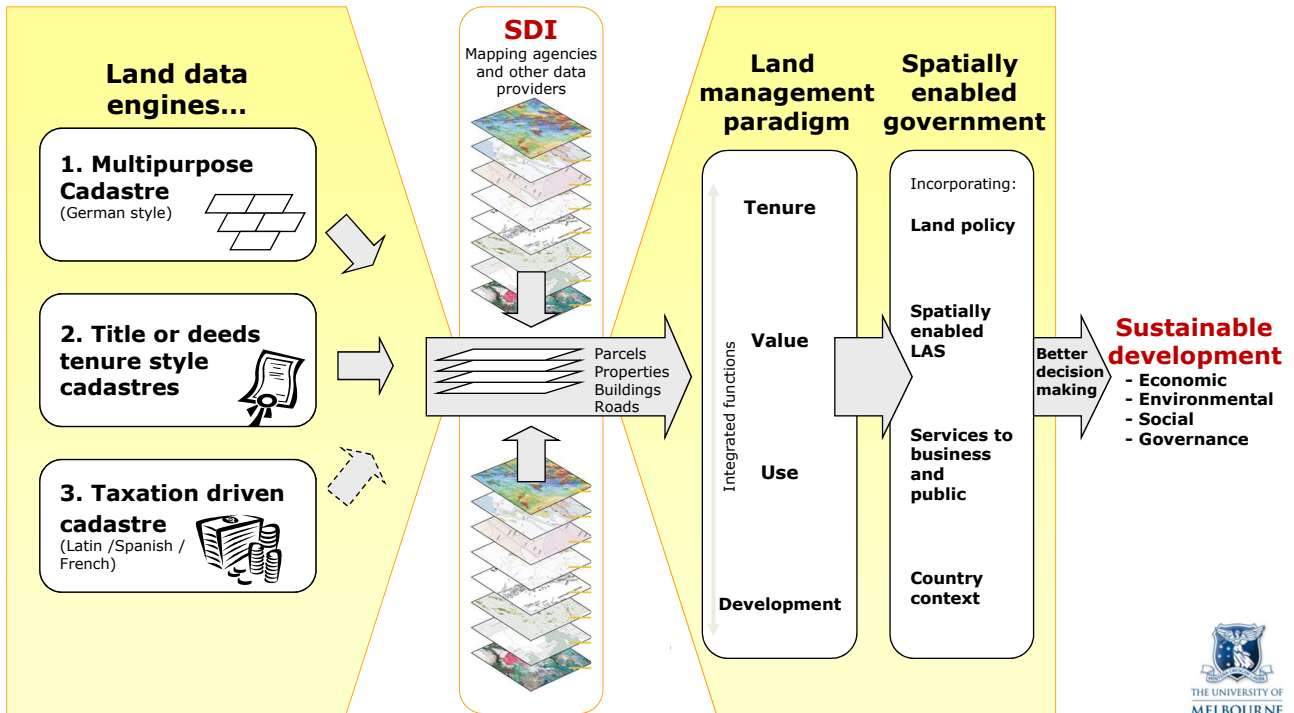
**Spatially Enabled Societies** has been driven by -the **cadastre** providing a foundation in land and property information and

**SDIs** providing an enabling platform for facilitating location-based information and services;

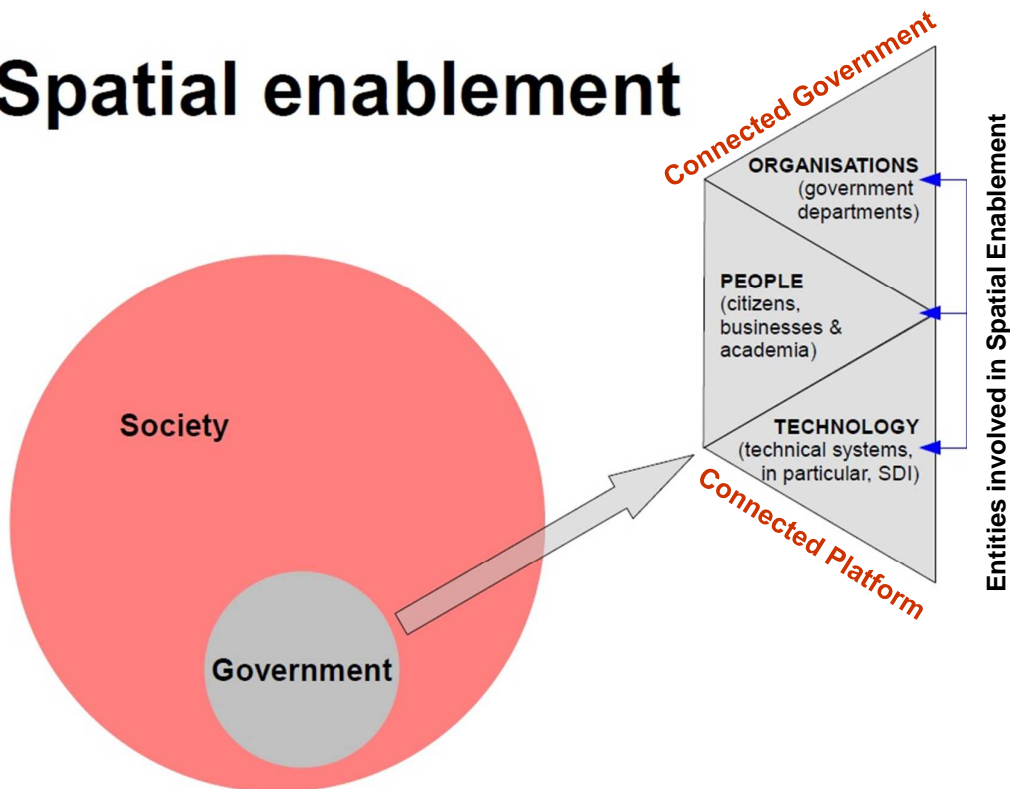
..together, they present a **powerful paradigm** for building capacity for addressing the global agenda and achieving sustainable development goals.



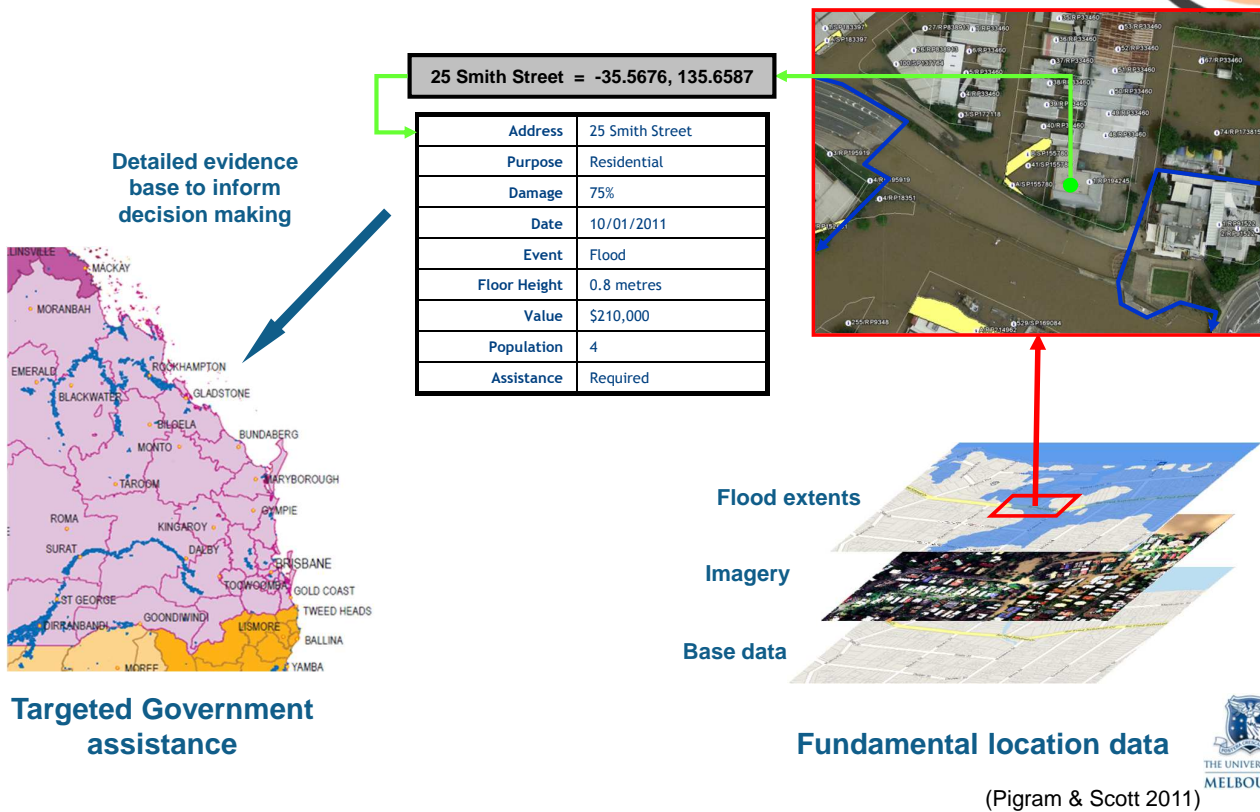
## Butterfly Diagram



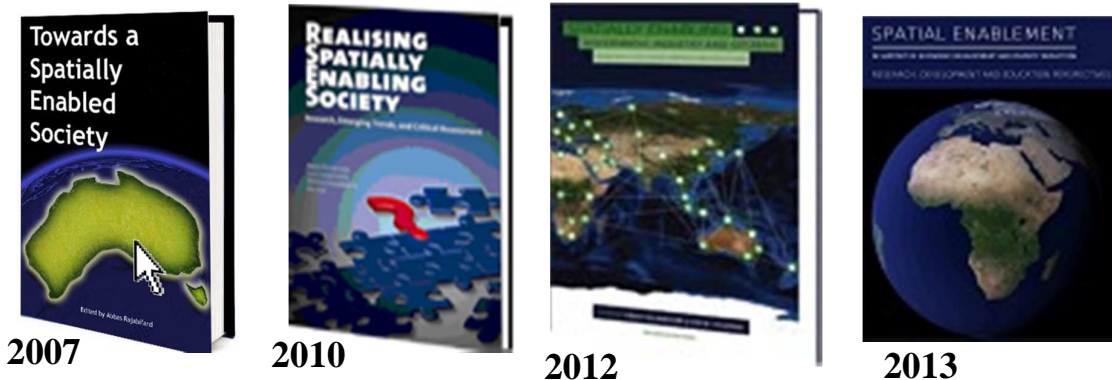
## Spatial enablement



# Enhanced Evidence Based Decision Making



# Spatially Enabled Societies

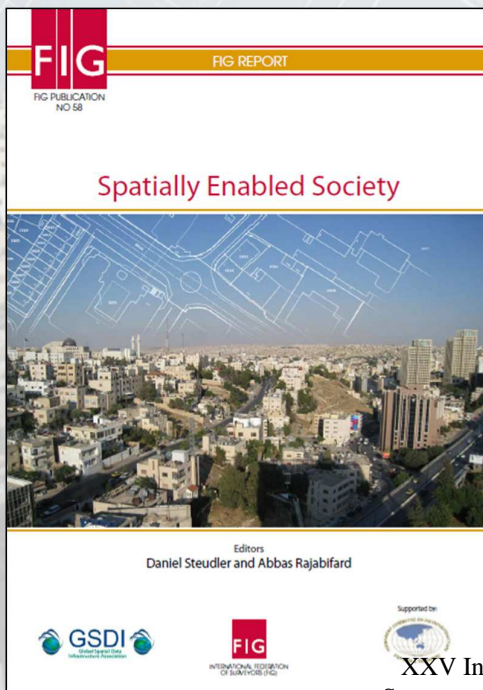


**SES** is now part of the objectives of governments in many countries, highlighting the importance of spatial information and strategies in policy development and decision-making in the public sector.

# SES and Cadastre 2014

## «Spatially Enabled Society»

Stuedler and Rajabifard, editors, 2012 FIG Publication no. 58



XXV International Federation of Surveyors Congress, Kuala Lumpur, Malaysia, 16 – 21 June 2014

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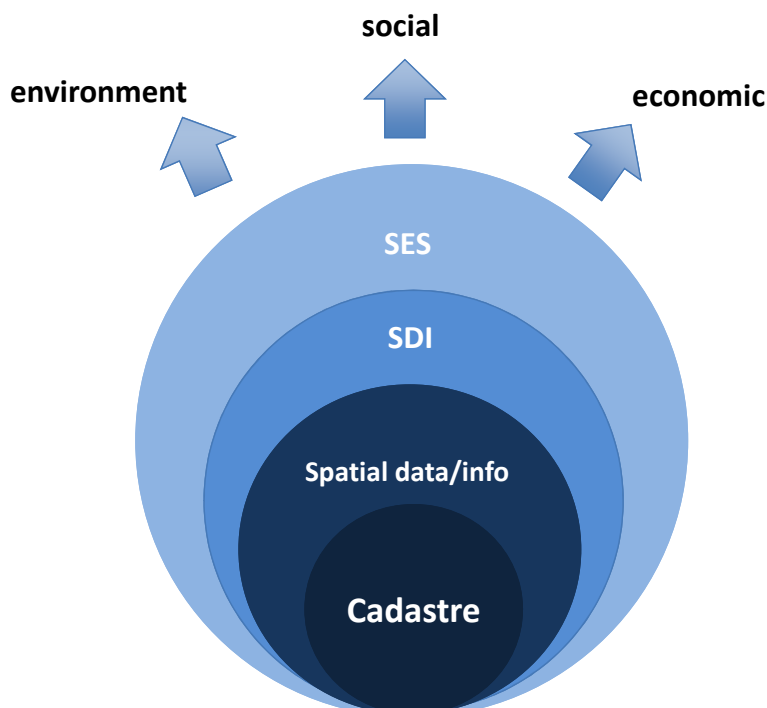
## Six Key Elements for a SES

- **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.

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### Sustainable Development



**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**.



[www.csdila.unimelb.edu.au](http://www.csdila.unimelb.edu.au)



The screenshot shows the homepage of the Centre for Spatial Data Infrastructures & Land Administration (CSDILA) at the University of Melbourne. The page features a navigation menu with options like 'STUDY', 'RESEARCH', 'ENGAGE', and 'CONTACT & MAPS'. The main content area includes a featured article titled 'NIMLI Booklet' with a 'Find out more...' link, a 'News' section mentioning Professor Abbas Rajabifard and Mr. Brian Marwick, a 'Publications' section, a 'Research' section, and a 'Skills Programs' section. The page also displays the CSDILA logo and a group photo of staff members.

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# Thank you

