

Statistical Spatial Framework

Increasing the Relevance of Statistics

GRAPHIC

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Growing Demand

- Expectation for information in a geographic context
 - Google Maps has made ‘location information a commodity’
- Spatial technology is also a commodity
 - Desktop maps, phones, iPads, mobile devices etc
- Increasing understanding of the value of applying a location to any information

International Need

The UN Economic and Social Council says

“The work on global geospatial information management over the past two to three years has confirmed that one of the **key challenges** is a ***better integration of geospatial and statistical information as a basis for sound and evidence-based decision-making.***”

Secretary-General, UN Economic and Social Council (2012)

What is the Spatial Community Doing?

- Spatial Data Infrastructure development
 - Australian Government – APS200 Location
 - States and Territories
 - Research Community – CRC SI
 - Many countries – EU INSPIRE
 - International – UN Global Geographic Information Management

SDI focus on the physical (natural) and built environments.

3D Models

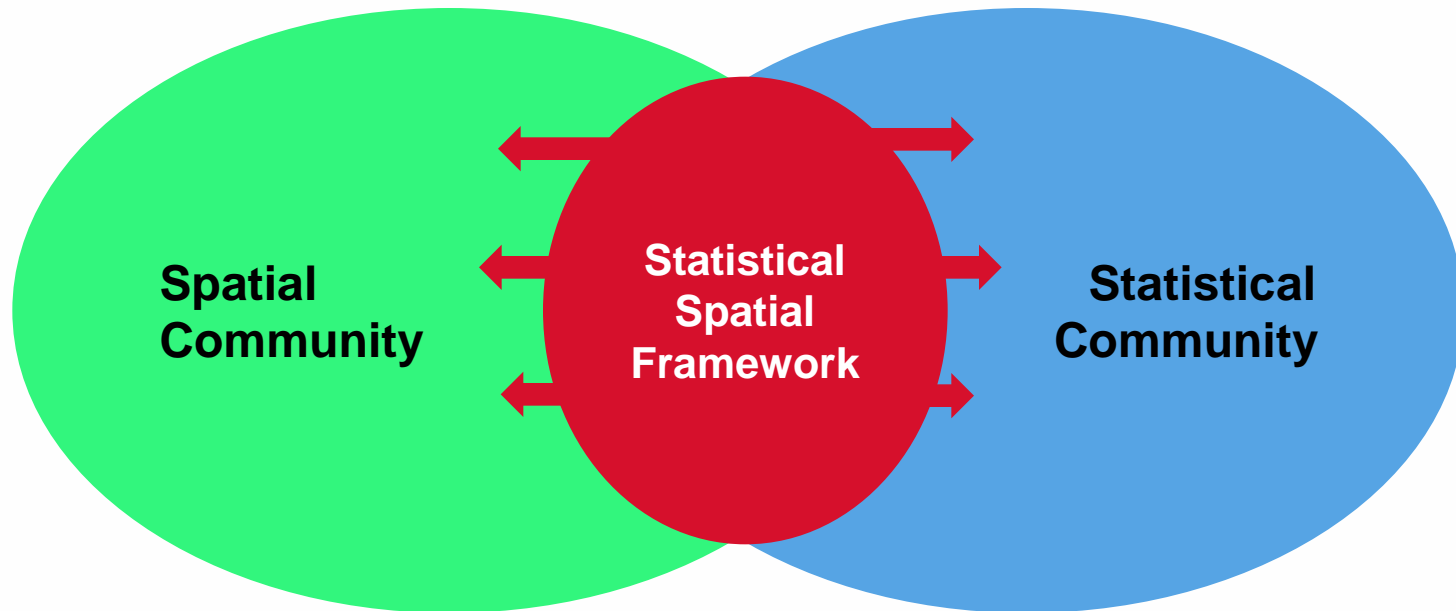


Above: Inundation simulation of Hobart



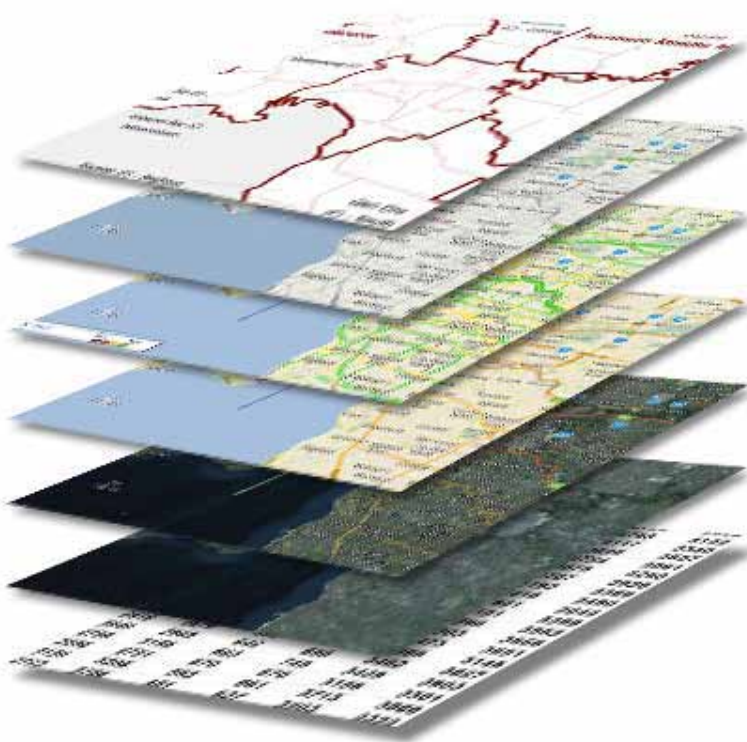
Statistical Spatial Framework

Linking the spatial and statistical communities



Statistical Spatial Framework

A statistical framework will establish another series of layers on top of spatial infrastructures

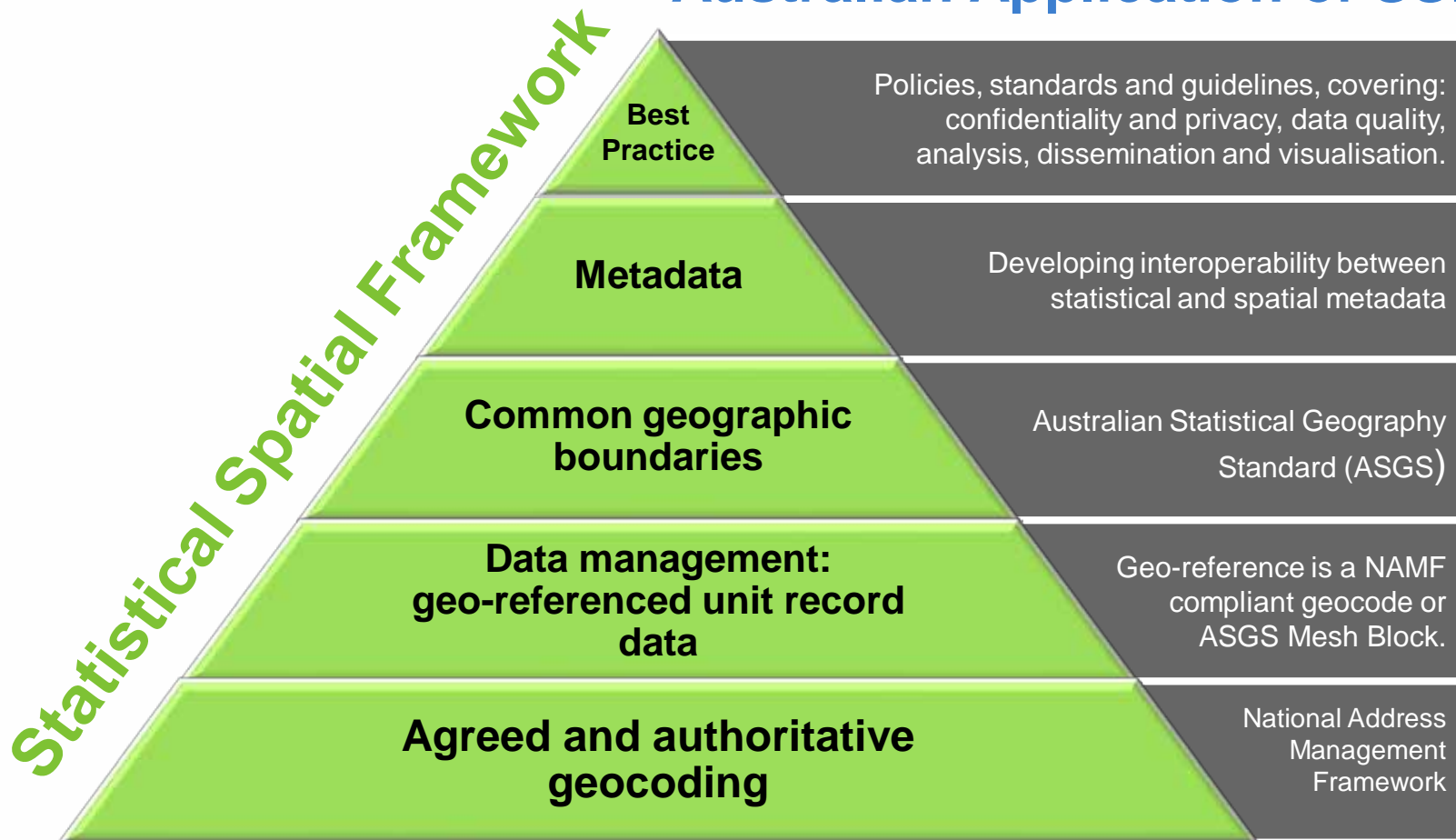


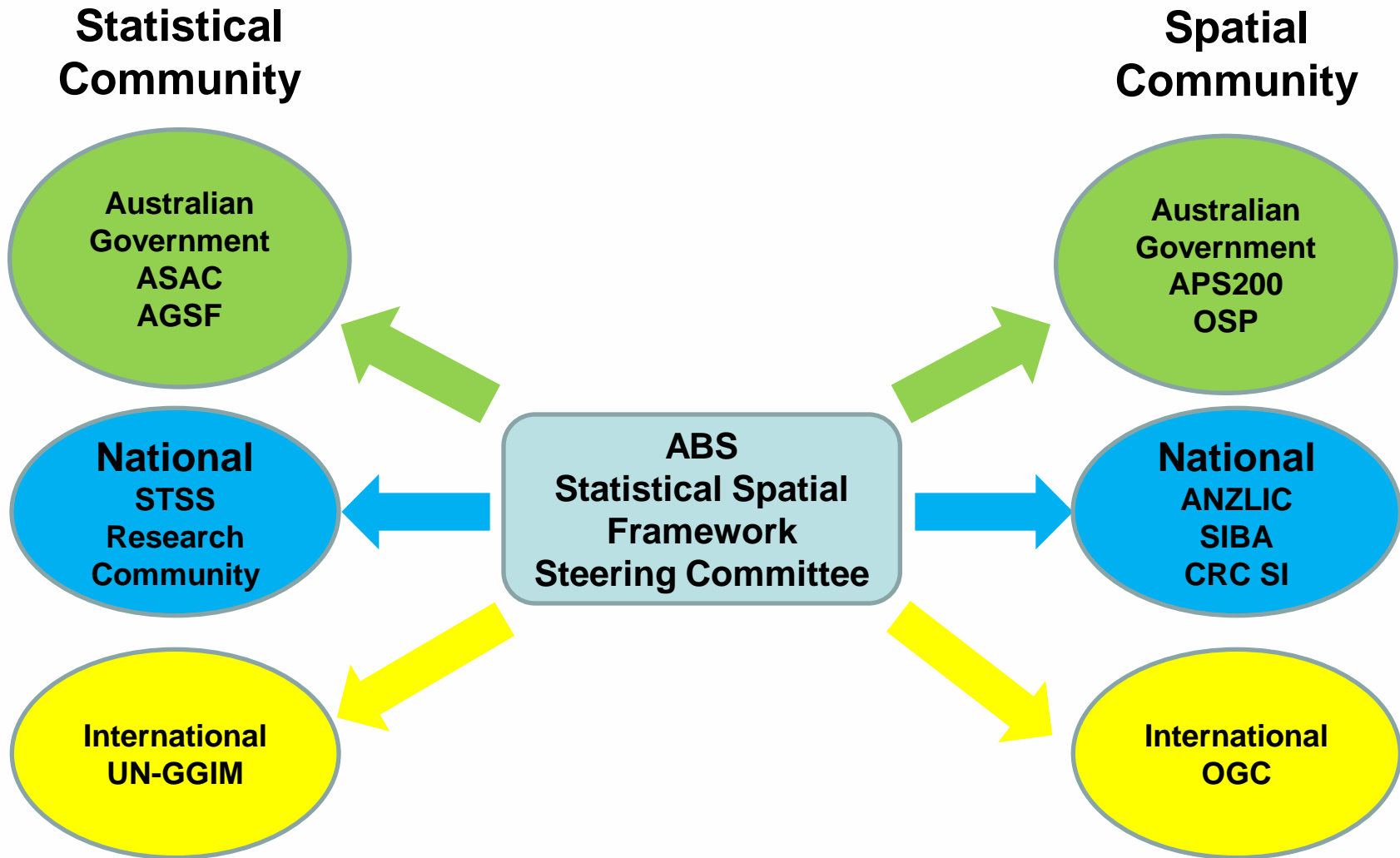
Statistical Spatial Framework

- Providing the statistical *equivalent* of topography, roads, rivers and boundaries
- Providing a social, economic and environmental statistics *context* ‘layer’
- Providing a *consistent approach* to ‘*people-centric*’ decision making and service delivery focussed activities.
- Adding value to agencies’ administrative data by enabling linkages through a *common spatial framework*

Providing a *common location based methodology*

Australian Application of SSF





What Might the SSF Look Like?

**Experimental Example from DSE Victoria
Energy Usage**

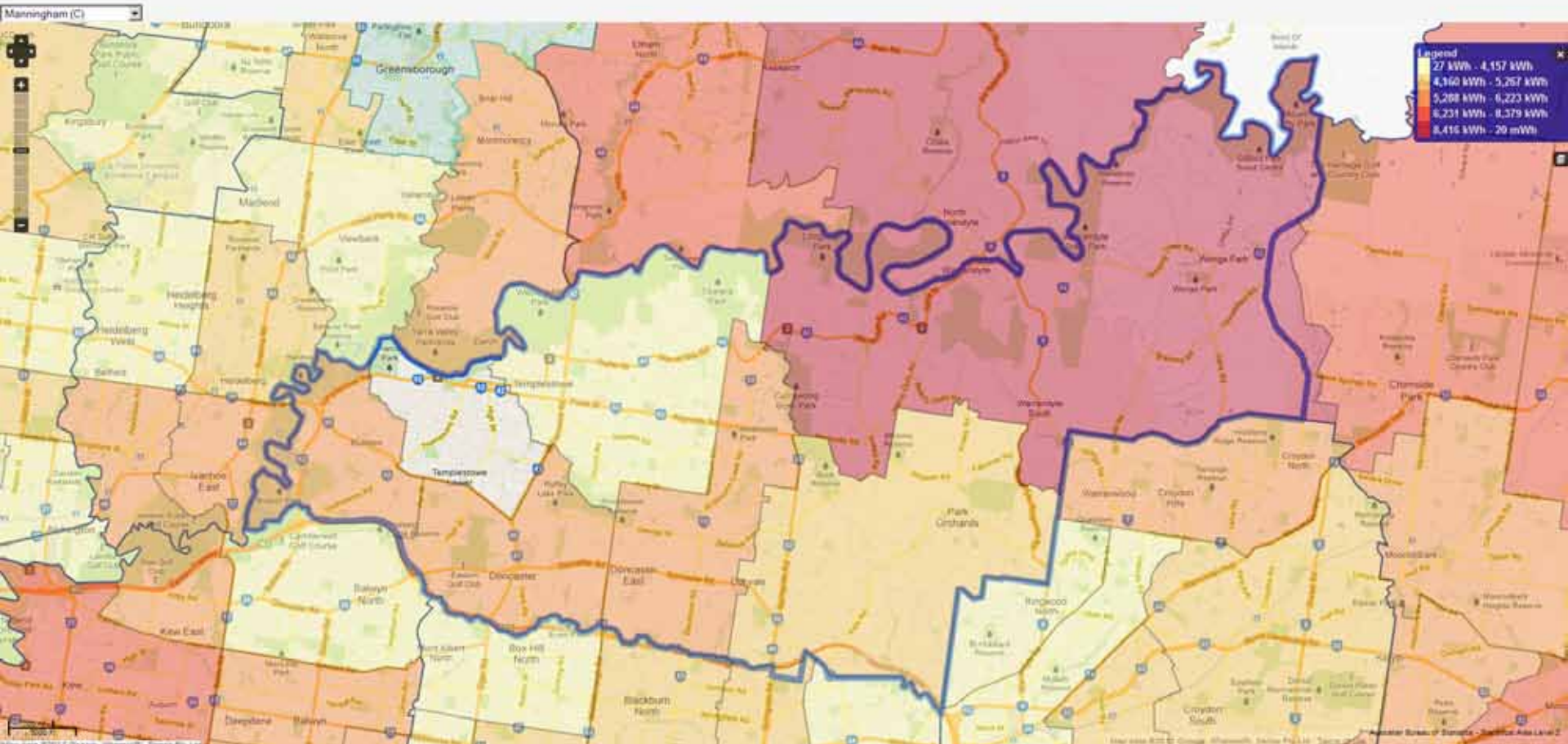
Zoom to council boundary SA 2 view

statistics for informed
decision making



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Search: Go



Zoom to SA 1 view

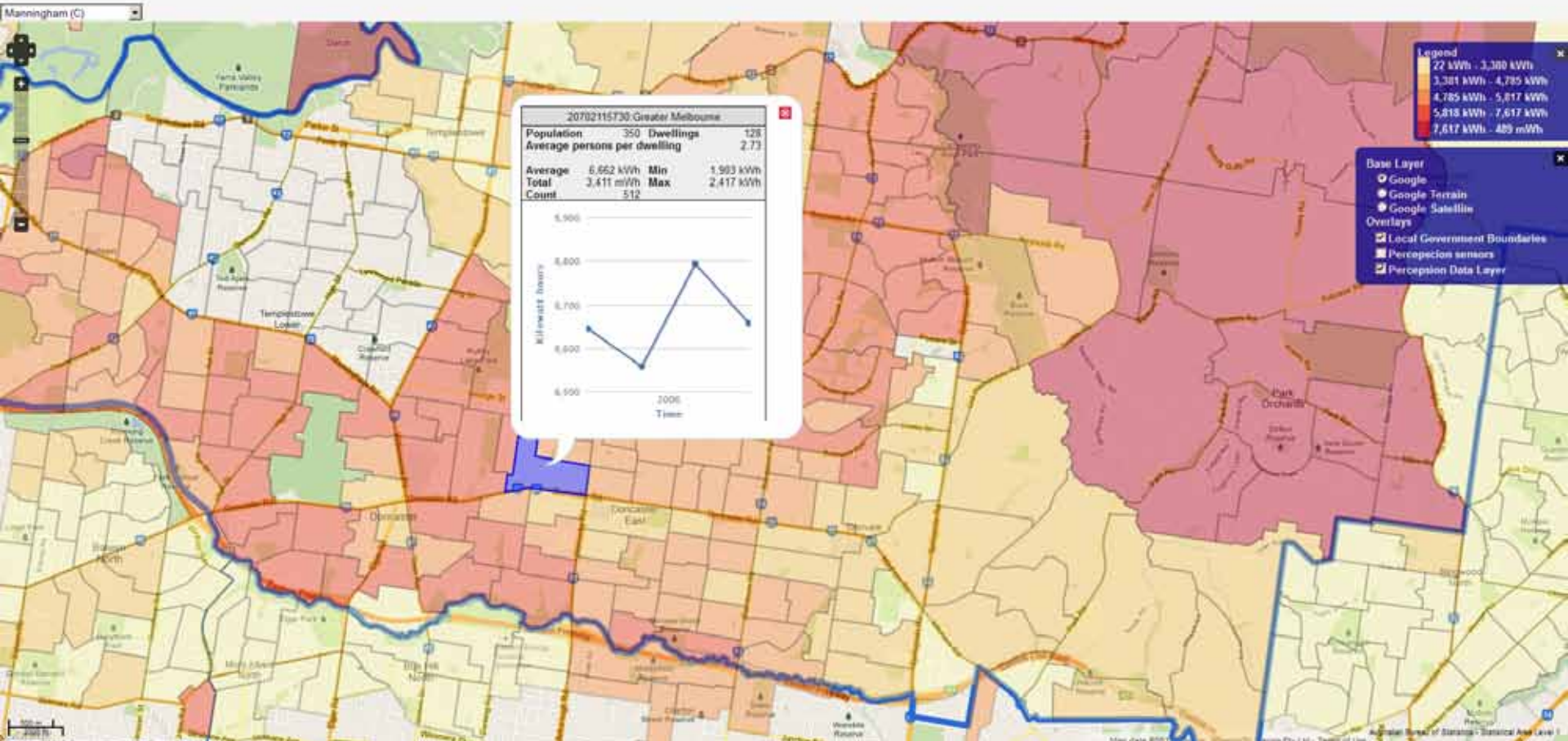
statistics for informed
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PERCEPCION

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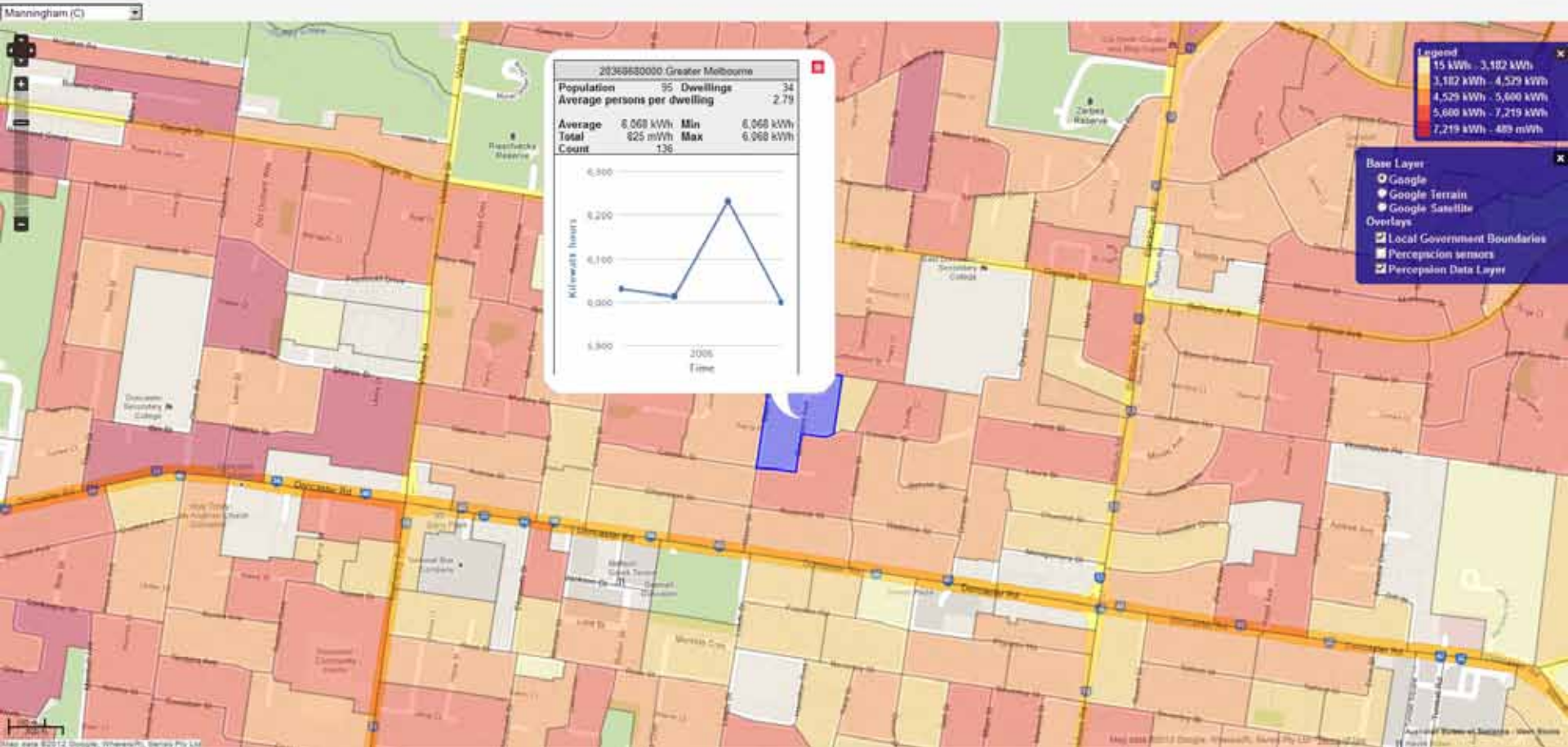
Search: Go



Zoom to Meshblock plus time-series popup

statistics for informed decision making

Search: Go





ABS Land Account 2011

[Land Account: Great Barrier Reef Region, Experimental Estimates, 2011. \(Cat no. 4609.0.55.001\)](#)

Social, Economic and Environmental Data

Welcome to the Google Earth® view of the experimental GBR Land Account. This is a pilot project that integrates environmental, economic and social data with a spatial dimension. Click on any [SA1 region](#) to bring up information about that region in this pop up window then use the scroll bar to view all the data.

For a brief definition of each data item hover your mouse over the . To view the full explanatory notes for this release click the . For more help using this Google layer see this [help page](#).

Themes

1. Boundary information, population and business
2. Rateable value and land use
3. Dynamic land cover
4. Fire, temperature and rainfall
5. Links

1. Boundary information, population and business

1.1 Boundary information

	Data item	Value	Unit
	SA1 identifying code	3135107	-
	Area of this SA1 region	10,340.8	Ha



Conclusion

- Statistical Spatial Framework offers a common approach to spatially enabling ‘people’ focussed statistical and administration information
 - Right time, right concept

QUESTIONS