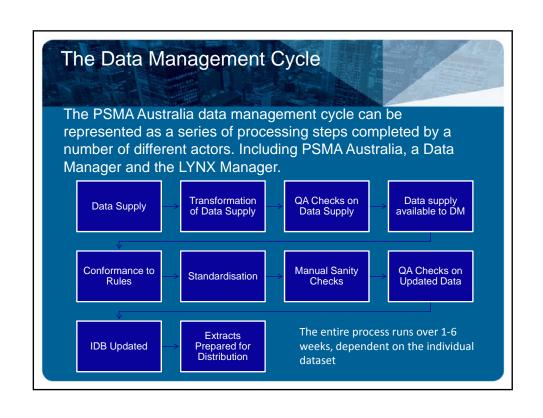


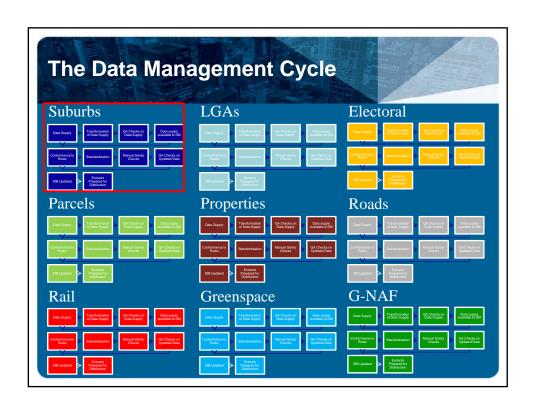
## What is Automation? It means different things to different levels of any organisation. It DOES NOT mean instantaneous. Working Definition: "an endpoint for a managed set of processes that has required less human intervention over subsequent iterations" (unknown source) Automation is not "press a button" and expect outputs to magically appear. Extremely difficult when inputs are not fixed. Requirement for standards, reporting and issue management capability for advancement.



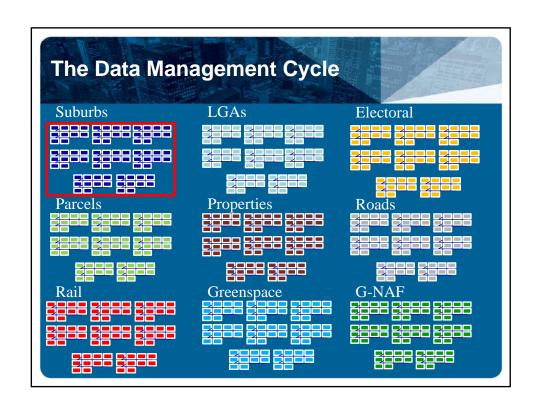
## Why Automate?

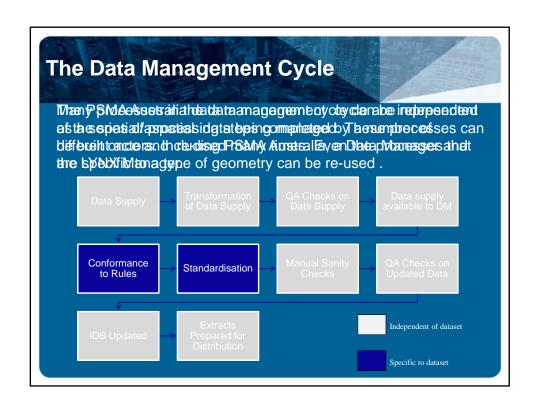
- Do more with less
- More effective use resources (particularly human)
- Increase efficiency
  - · Reduce time to market
  - Multiple uses for the same processes.
- Have more involvement in data cycle (may seem counter intuitive)
- Increase transparency of processing to stakeholders including end users.
- Consistency
- Foster innovation

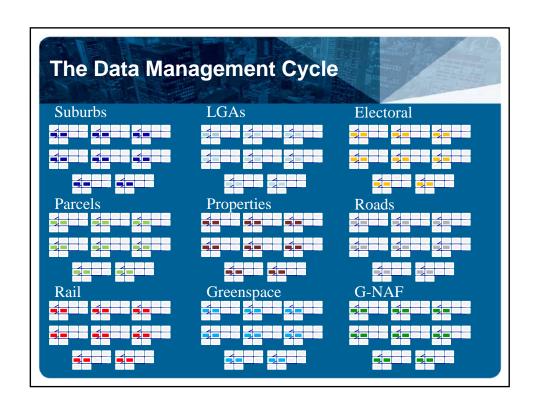
Business benefits easy to see for repeatable processes...



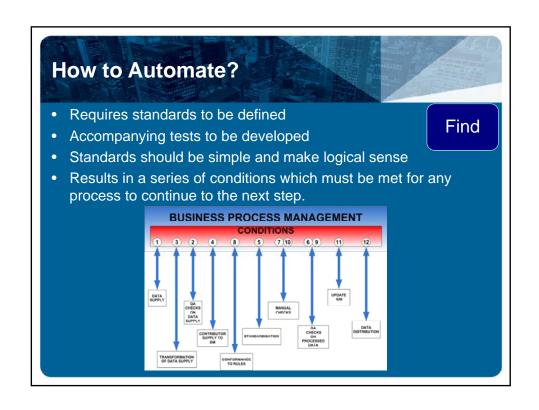
The Data Man	agement Cycle	
TAS Suburbs	NSW Suburbs	SA Suburbs
Data Supply > Transformation of Data Supply > Data Supply parallable to DM	Data Supply > Transformation OA Checks on Data Supply OA Checks on Data Supply available to DM	Data Supply > Transformation of Data Supply > QA Checks on Data Supply available to DM
Conformance to Standardisation Standardisation Checks On Updated Data	Conformance to Rules Standardisation Manual Sanity Checks on Updated Data	Conformance to Standardisation Manual Sanity OA Checks on Updated Data
IDS Updated Propertor for Distribution	IDB Updated Property for Distribution	IDB Updated > Estracts Prepared for Distribution
QLD Suburbs	ACT Suburbs	NT Suburbs
Data Supply Transformation OA Checks on Data Supply Data Supply available to DM	Data Supply > Transformation Of Data Supply Data Supply > Data Supply Data Supply	Data Supply > Transformation of Data Supply > Data Supply Data Supply available to DM
Conformance to Standardisation Manual Sanity OA Checks on Updated Data	Conformance to Rules Standardisation Manual Sarrity Checks On Updated Data	Conformance to Standardisation Manual Sanity Onecks on Updated Data
IDS Updated Property for Distribution	IDB Updated Prepared for Distribution	IDB Updated > Extracts Propered for Distribution
VIC Sub	ourbs WA Sub	ourbs
Data Supply > Transform	ation CA Chacks on Data supply poly available to DM Data Supply Para Supply of Cl Data	ormation Supply Data Supply available to DM
Conformance to Standards	asion   Manual Sanity   OA Checks on Updated Data   Conformance to   Standa	ridisation > Manual Sanity Ohecks on Updated Data
IDB Updated > Extrac	S To	racts red for tubin

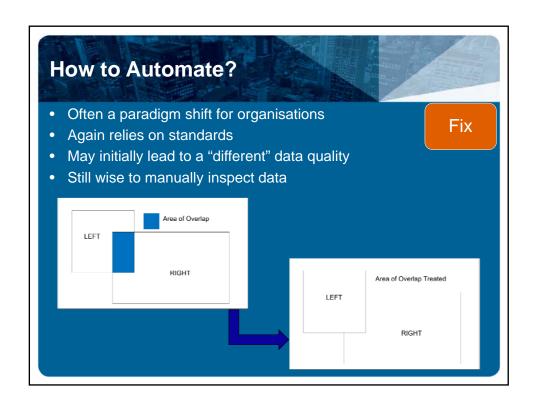


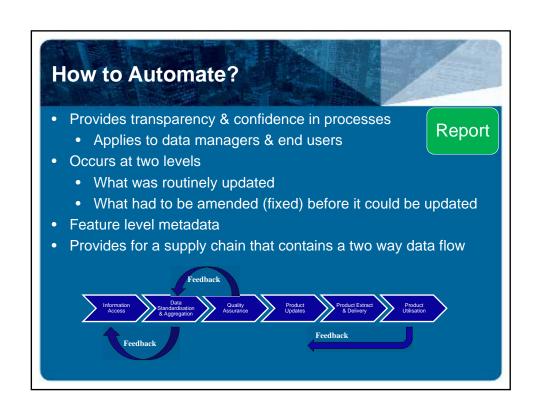












## **Business Process Management**

- The glue that ties all processes together
- Constructed in Business Process Execution Language (BPEL)
- Involves the orchestration of individual processes such as;
  - Web services
  - Database tasks
  - COTS functions
  - Human Tasks (very important)
- New skill sets for traditional GIS professionals
  - Understanding processes
  - Understanding business logic



