



SLIP ENABLER



SLIP Enabler

SDI – Spatial Data Infrastructure

- Supports ready access to geographic information
- Supports complementary policies and standards to improve decision-making

SLIP Concept

- Improved framework to share or use spatial information - secure, metered, and open
- Improved access to data - 24 hours each day, 7 days each week
- Builds on existing ICT setup of each agency
- Allows collaborative development of cross-government solutions
- Uses open standards to promote interoperability of data between agencies
- Uses internet technology to provide a single point of access
- Connects government agencies and data suppliers through data services (back end)
- Provides core SDI services to access spatial datasets (front end)
- Improves public access and useability of government information

Cost effective, quicker and more efficient, better decision making

SLIP and SLIP Enabler

SLIP – Shared Land Information Platform

- Program of initiatives connecting WA government spatial information
 - Includes Enabling Framework and major Focus Areas
 - » **Interest Enquiry**
 - » **Emergency Management**
 - » **Natural Resource Management**
 - » **Electronic Land Development Process**

SLIP Enabler

- Provides the foundation on which all SLIP initiatives operate, allowing land information to be shared

What is SLIP Enabler?

SLIP Enabler is a flagship project for citizen-centric service delivery, encouraging collaboration and bringing together **spatial information** using **technology** and **web-based applications**.

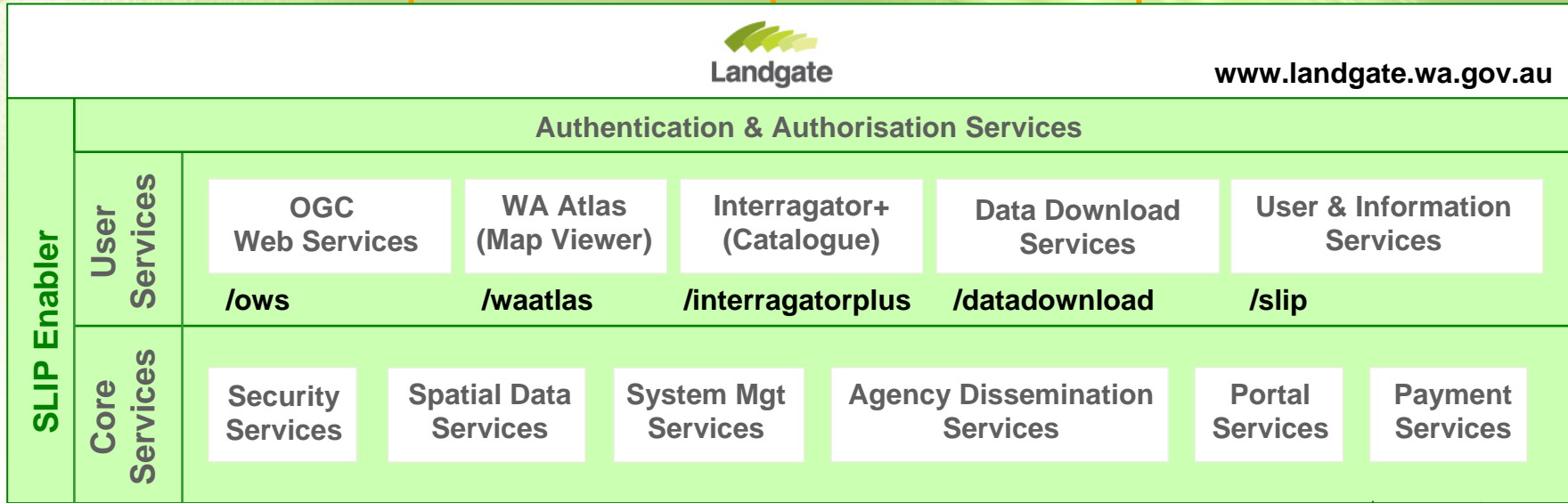


SLIP Enabler Service Users

Your Web Browser

Your GIS Application

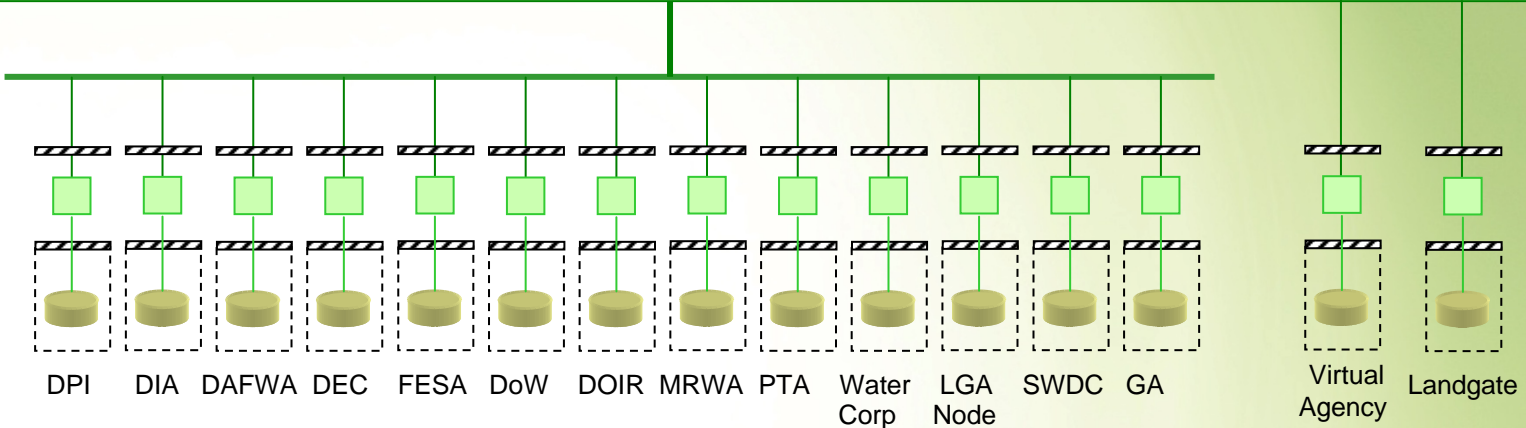
Your Business Solution



VPN over Internet

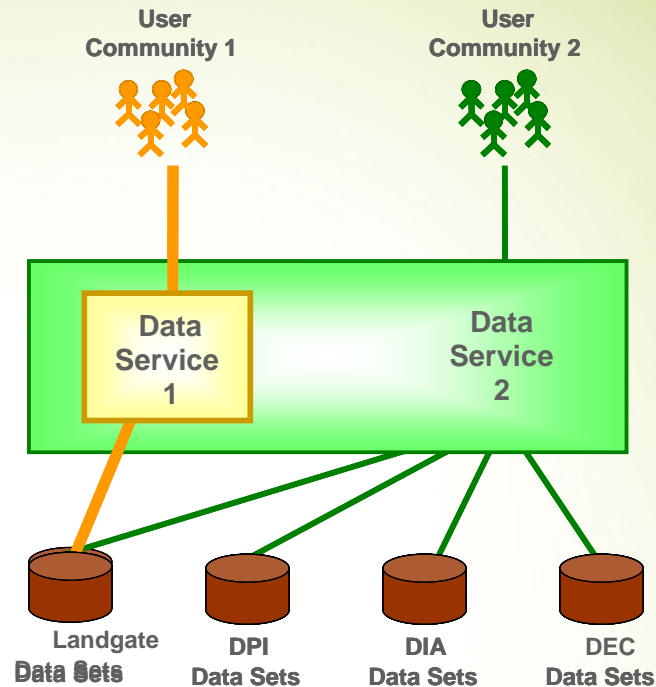
SLIP Enabler Middleware

Spatial Data Providers

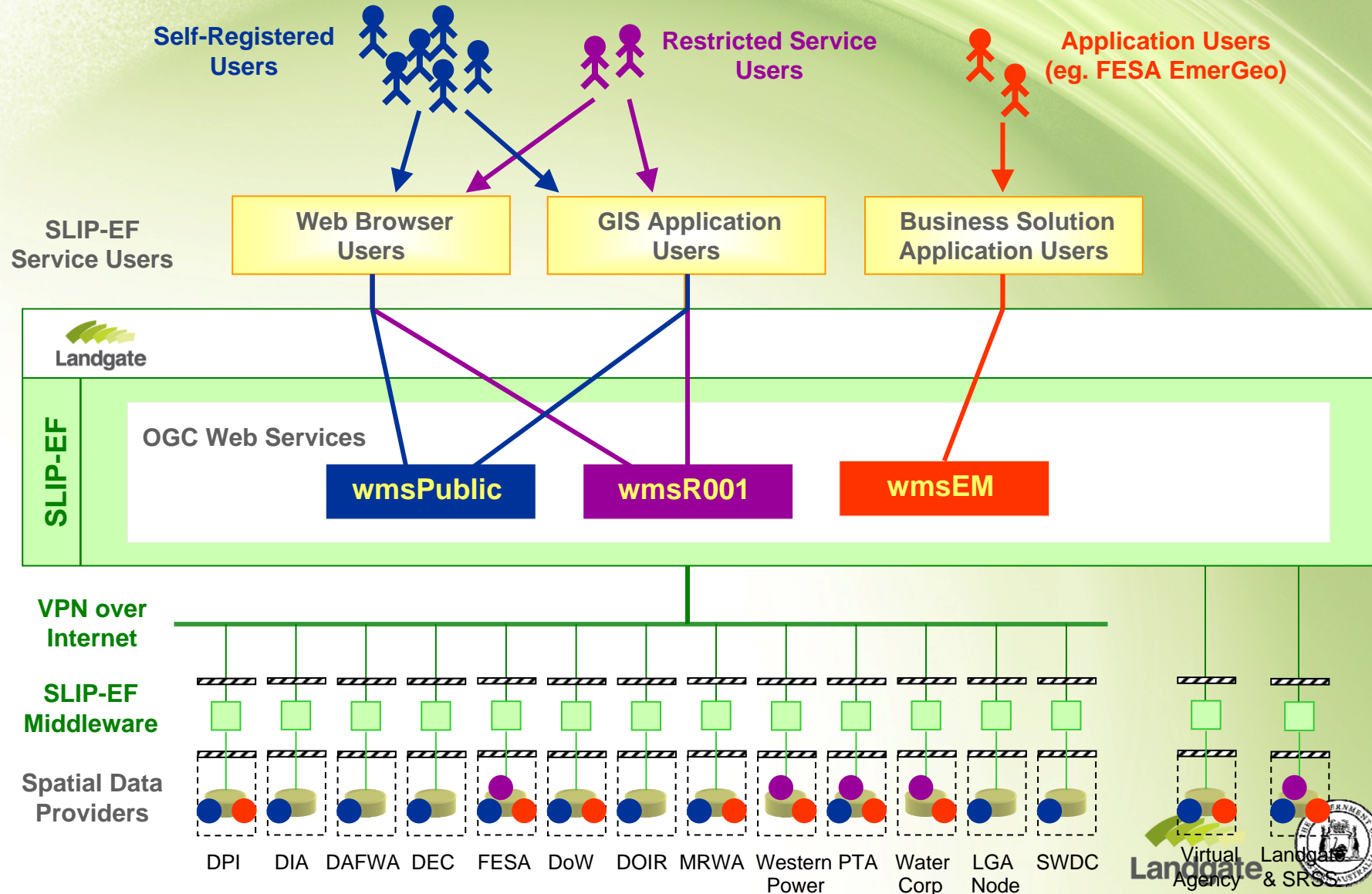


SLIP Data Services

A SLIP Data Service is a grouping of spatial datasets from either single or multiple data custodians that can be accessed online.



SLIP Data Services



SLIP Enabler Components

Interragator+: Catalogue allowing discovery and use of services

WA Atlas: An online map viewer

Downloader: Simplified access to datasets

SLIP Portal: Portal providing information on SLIP and SLIP Enabler

URL	https://www2.landgate.wa.gov.au/ows/wmpublic?
Version	111

The following screenshots illustrate the components of the SLIP Enabler system:

The top window shows the **Interragator+** interface, which includes a search bar, navigation tabs, and a list of services. The middle window shows the **WA Atlas** interface, featuring a map viewer and various data layers. The bottom window shows the **SLIP Enabler** portal, which provides information on how to access SLIP services and lists available datasets.

Current usage

- > 1400 registered users
- > 1,000,000 hits per month
- 80% Web Mapping Services
 - 60% Vector based
 - 40% Imagery
- 20% Web Feature Services
 - Cadastre
 - Tenure
 - Topography



Benefits

- Land information accessible to anyone, anywhere, anytime
- Enhanced information access for government and community
- Latest information available for accurate and timely decision-making

Benefits

- Greater ability to respond to changing needs of the community
- Ability to extend technology to include other organisations (public and private) at low cost

Where to now?

- Private sector partnerships and the future
- Engaging with industry through the SLIP Developers Program
- Crowd Sourcing
- Access via mobile devices
- Creative Commons licensing

SLIP Developers Program

- Engaging with industry to foster innovation by providing tools and support
- Ease of use and customisation
- Developers provide technical expertise for those who want to connect to SLIP Enabler
- Develop private partnerships to extend SLIP Enabler

SLIP Developers Program



Crowd Sourcing



ADD NEW FEATURE HISTORY LOGIN MOVE | DELETE

Interest Name
Note

Category

- Sport Club
- Car Park
- Service Station
- Place of Worship - Moslem
- Place of Worship - Jewish
- Place of Worship
- Public Telephone
- Emergency Telephone
- Public Toilet
- Structure

Notes (Attribution, Capture Type etc)
This is a note.

SAVE Cancel

Create New Feature
Select a category, then position the interest on the map.

netw5v32 cann

Done 1 Error

Mobile Devices

- Increasing demand for live, best available information
- Opportunities for partners to use SLIP services in location-based services
- Enablers include
 - SLIP's lightweight WMS protocol
 - Availability of cheap 3G/3.5G data access

Creative Commons

Aims:

- A Government Information Licensing Framework of standardised legal terms and conditions.
- Improved access and use of Government-held data.
- Standardise transactions with other government jurisdictions and extend to private sector.
- Manage the Government's Intellectual Property for web-based information.
- Reduce legal risks associated with unauthorised use.

Interest Enquiry System

- February 2009 -

Inventiveness, Originality or Uniqueness

What is Interest Enquiry?

- A single point of access to information held by multiple agencies, about interests on land
- An Interest Dictionary and a spatially enabled property and interest search tool
- A new way to search property interests
- On-line web based



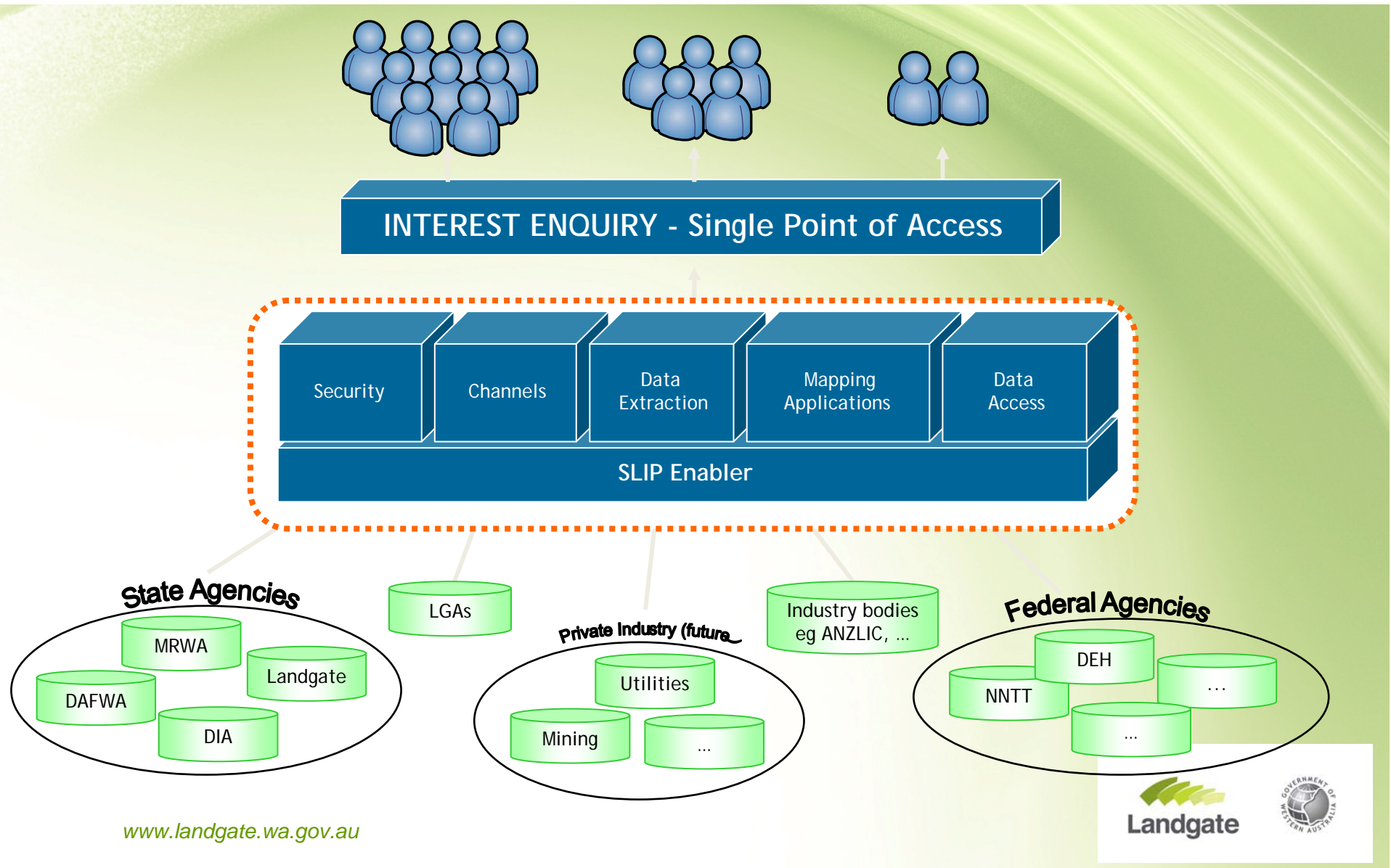
Inventiveness, Originality or Uniqueness

What is an Interest?

- Anything that may affect the use or enjoyment of land
- An interest may restrict what can be done with a property or provide opportunities
- Heritage, rural, indigenous, environmental



Inventiveness, Originality or Uniqueness



Inventiveness, Originality or Uniqueness

Why did we build it?

- Lack of awareness about interests and where to find information
- Interest information is held by many government agencies and provided in different ways
- Significant costs incurred in accessing interest information



Inventiveness, Originality or Uniqueness

Articles from the West Australian 2006

EPA says project will endanger rare flatback turtle and other wildlife | Gas giant Chevron refuses to consider building plant on mainland | Industry warns decision puts \$60b worth of projects at risk

Carpenter vows to save \$11b gas plant

ROBERT TAYLOR
STATE POLITICS EDITOR

The State Labor Government would do everything possible to rescue the \$11 billion Gorgon gas proposal slated for Barrow Island from the environmental objections which threatened to scuttle it, Alan Carpenter promised yesterday.

Project proponent Chevron Australia has two weeks to appeal against an Environmental Protection Authority finding that the proposal to extract, pipe, liquefy and export 19 million tonnes of natural gas a year from the North-West island is environmentally unacceptable.

Standing in the way of 6000 indirect jobs, 2000 construction jobs and \$2 billion to WA over the life of the project is the Filina flatback turtle, which has its nesting base on the proposed facility's main processing area.

"As far as the State Government goes we are very strong supporters of the project and we are confident that we can work with the Gorgon partners to address the issues that the EPA has pointed to and come to a satisfactory resolution," the Premier said.

The EPA found that as well as the risk to the flatback turtle, the proposal would have an impact on the marine ecosystem through dredging, introduce non-indigenous species such as rats and damage microscopic shrimp, millipedes and plants that live around the island, which is already a designated nature reserve.

Chevron's Gorgon general manager Colin Beckett said his company was confident it could convince Environment Minister Mark McGowan to overturn the EPA decision.

"Nothing has changed our opinion and I have every confidence that we can work with the Government to work through this process to achieve a desired outcome," Mr Beckett said.

Mr Carpenter defended Gorgon's environmental record.

"They've done an enormous amount of work to meet environmental standards and one way or the other if that project were to go ahead it would be the most environmentally sensitive and sensitised LNG project ever undertaken anywhere in the



Stumbling block: The carnivorous Barrow Island, is standing in the way of the project.

INSIDE	
Billions in future investment at risk	Page 8
Chevron optimistic despite setback	Page 9
Alton	Page 24
Editorial	Page 24

world," he said. "Quite clearly the EPA has looked at some of those very sensitive environmental issues there and they've also pointed out that there are other considerations to be judged — economic, social, the bigger benefit that would flow to the

How a rare orchid shifted a freeway

BEN SPENCER

More aggrieved southern suburbs residents yesterday declared they would seek compensation for the adverse impacts of roadworks on the Perth to Mandurah rail project as it was revealed that a rare flower was to blame for the dramas.

Residents of Rowney Close and Tarrant Way in Murdoch said they felt let down by the Government over its refusal to offer them compensation. The angry residents are diagonally opposite three Theakston Green residents who, it was revealed on Thursday, got \$10,000 each from the Public Transport Authority for noise, dust and vibration caused by the roadworks.

Shane Peterson, whose Rowney Close property backs on to South Street, said he had asked the PTA to install a limestone wall behind his home but had not heard anything since last October.

Mr Peterson, who has been in close consultation with Murdoch MLA Trevor Sprigg on behalf of his neighbours, said revelations of the "hush money" paid to Theakston Green residents had compounded woes. "Silence is the constant response we get," he said.

"It's very unfair that they have been offered cash compensation when all we've asked for is a wall." Mr Peterson's neighbour, Dianne Fennell, said noise from the construction had been so great at times that it had kept her deaf husband awake at night.

Planning and Infrastructure Minister Alannah MacTiernan again denied money paid to Theakston Green residents was "hush money".



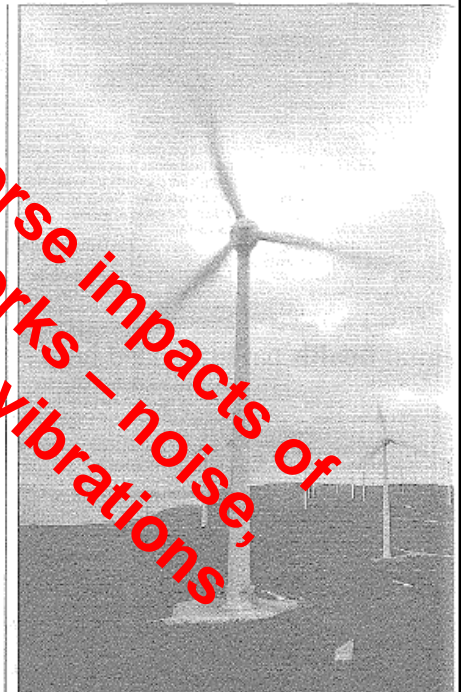
Mystery: The rare Caladenia Hoeggei, which has proved an elusive problem.

She said the presence of the rare giant orchid at the corner of South Street and Kwinana Freeway, Murdoch, was to blame for the rerouting of the on-ramp that had put it within 1.5m of the back walls of homes on Theakston Green. "This rare spider orchid appears to be particularly attracted to infrastructure projects," she said.

Environmental Protection Authority chairman Wally Cox said Main Roads had done the right thing. "The orchids tend to occur in remnant areas of bush and not surprisingly they quite often are areas set aside for future transport corridors," he said. "The orchids have to be protected because by definition there are very few of them."

Wind farm politics just give it the bird

Adverse impacts of roadworks — noise, dust and vibrations



Last November, Ms MacTiernan rejected the Denmark shire council's rejection of the wind farm. She said she would allow the project on an island reserve on Wilson Head, 10km south of Perth, with a 130MW capacity. The small project — just one of many being promoted locally by an influential environmentalists, the town's own Greens councillor, Ms MacTiernan said claim a political deal between Labor and which explains Ms

Residents seeking compensation

Potential Market

Markets

- Real estate, legal, conveyancers, valuation, planning, government agencies

Comments from Customers

- Joseph Agnello (API) *'... great benefit to our business ... accurate information system... reducing the time spent in the collection of information...'*



- Judith Pinczuk (AIC) – *'... innovative program... will become increasingly valuable to all in the property industry...'*

Benefits to Users

Informed Community

- Reduces risk for buyers, agents, investors, planners and developers when purchasing, investing or developing land

Improved Process

- Current business processes for organisations & consumers is a walk around

Online Access

- Interest information is available online anywhere, at any time.



Present & Future Practical Application

- Interest Enquiry will complement the search information currently shown on the Certificate of Title
- Landgate will continue to work with government agencies to increase the number of interests available to users (currently 10 out of the 50 interests)
- Interest Enquiry will be used to determine the cultural, environmental, and social interests on land



www.landgate.wa.gov.au


Landgate

