

Case Study

Department of Land Information (DLI), WA

MapIndia2006

Guy Perkins

CEO/Vice President – Asia Pacific



ER Mapper

- Founded in 1989 in Perth Australia
- Invented the ecw file format
- ER Mapper Desktop Image Processing Software
- Invented Image Web Server Software
 - designed to serve large Image dataset using Internet protocol
- RightWebMap – Client Integration Application
- Built JPEG 2000 sdk libraries which are now integrated in all our product range



Our Partner in India

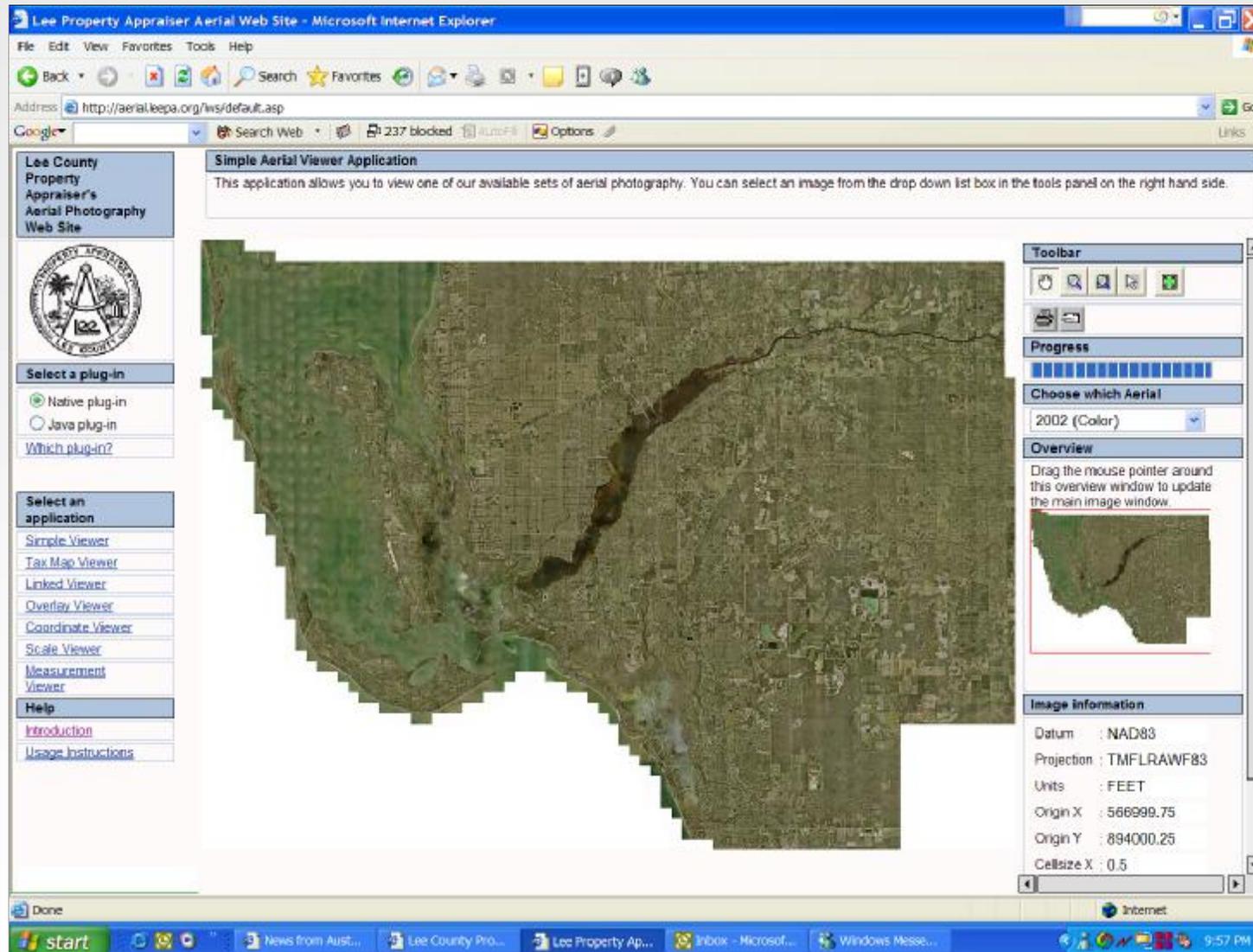
- AdroiTec Information Systems
- Working at establishing a Master Distributorship agreement
- Focus on Training & Technology Transfer
- AdroiTec to focus on Indian Requirements and alliance opportunities

- Main contact is: Mr. Sachin Kumar Aghrawal

Lee County- Quick Take

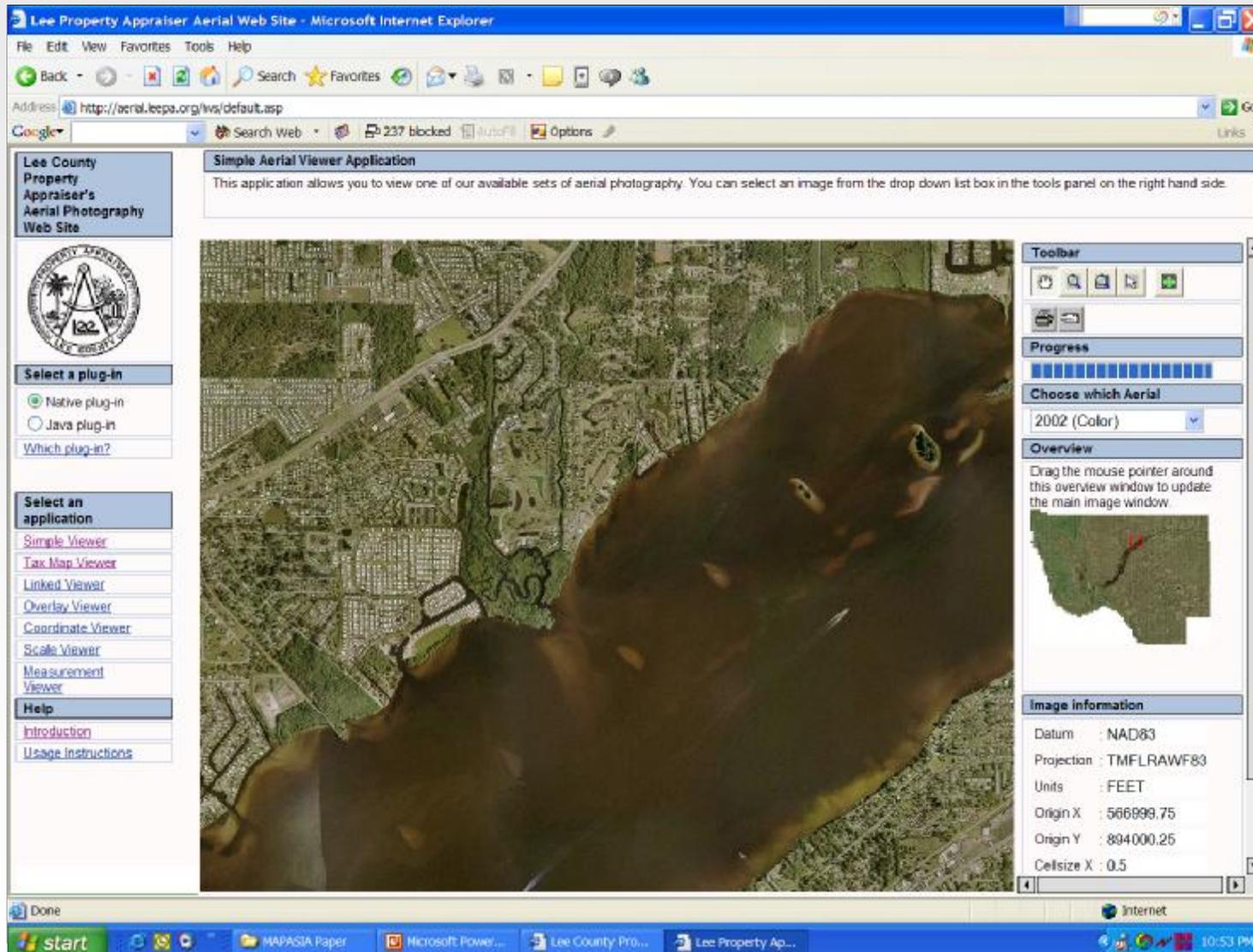
- Driven by ER Mapper and ESRI technology
- 0.5Mbyte Plug-in
- Streaming Technology (Imagery)
- Click and Wait (Vector)
- Using Compression and decompression capabilities
- Business model is rate payer services

Lee County - USA



Your Enterprise Geospatial Imagery Solution

Lee County - USA



Your Enterprise Geospatial Imagery Solution

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Lee County – Property Line

The screenshot shows a web browser window titled "Lee Property Appraiser Aerial Web Site - Microsoft Internet Explorer". The address bar shows "http://aerial.leepra.org/lrs/default.asp". The page content includes a navigation menu on the left with options like "Select a plug-in" (Native or Java) and "Select an application" (Simple Viewer, Tax Map Viewer, etc.). The main area displays an aerial photograph with yellow property lines overlaid. Parcel numbers are visible, such as 0000C 0030, 0000C 0040, 0000C 0050, 0000C 0060, 0000C 0070, 0000A 0160, 0000A 0170, 0000A 0180, 0000A 0190, and 0000A 0200. A toolbar on the right includes a "Tax Map Overlay" section with checkboxes for various data layers, with "Real Property Parcels" checked. The Windows taskbar at the bottom shows the start button and several open applications.

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Lee County – Property Details

Lee County Property Appraiser - Online Parcel Inquiry - Microsoft Internet Explorer

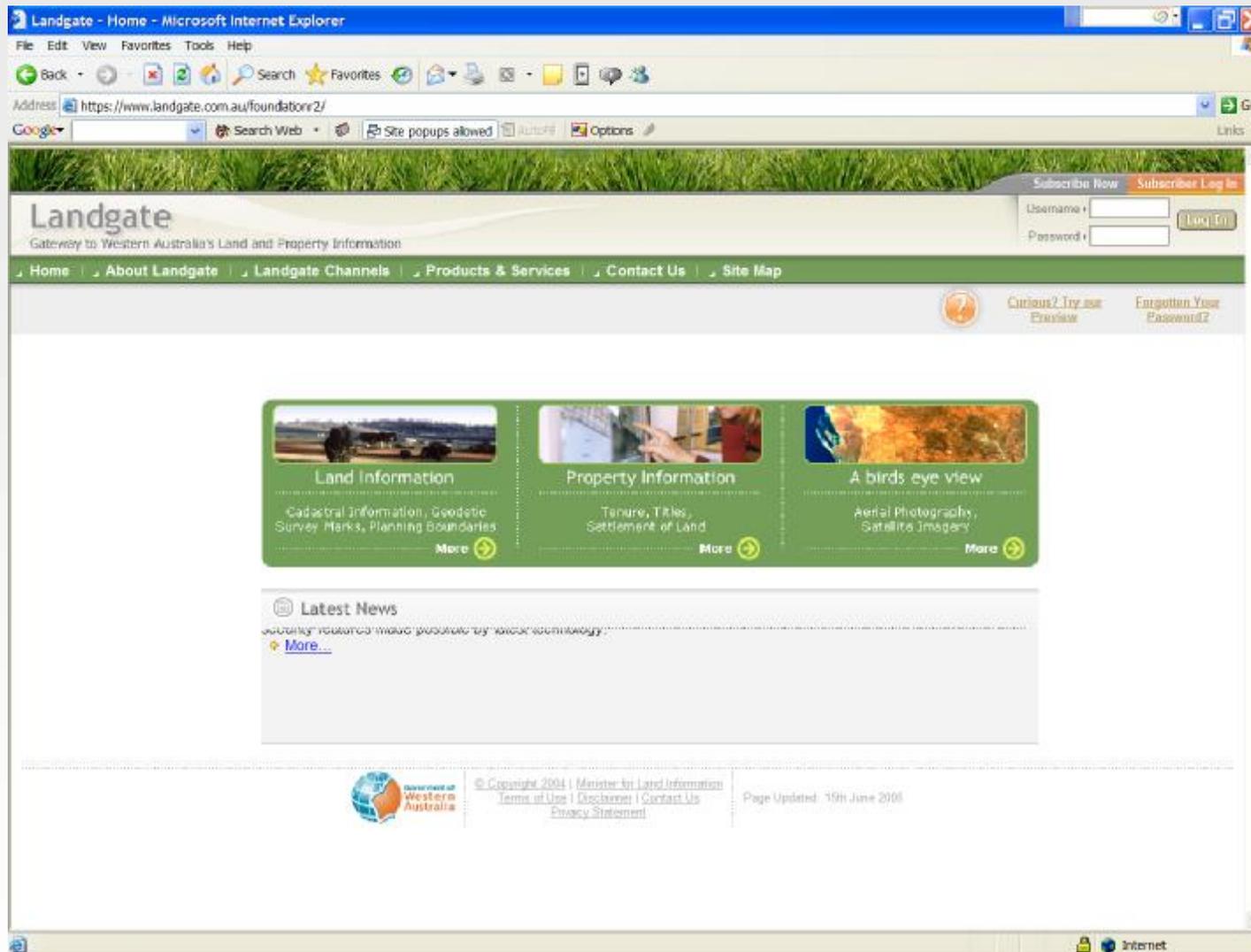
Address: <http://www.leea.org/Scripts/PropertyQuery.asp?FolioID=10239418>

PROPERTY DETAILS

OWNER OF RECORD WILLIAMS WESLEY E 17170 WATERS EDGE CIR NORTH FORT MYERS FL 33917	[VIEWER] TAX MAP [PRINT]	IMAGE OF STRUCTURE  Photo Date: May of 2003
SITE ADDRESS 17170 WATERS EDGE CIR NORTH FORT MYERS FL 33917		
LEGAL DESCRIPTION KINGS BAY ESTATES BLK A PB 0032 PG 0042 LOT 17		[PICTOMETRY]
TAXING DISTRICT 202 - BAYSHORE FIRE/CO MOSQUITO	DOR CODE 01 - SINGLE FAMILY RESIDENTIAL	
PROPERTY VALUES (TAX ROLL 2005) [NEW] HISTORY CHART	EXEMPTIONS	ATTRIBUTES
JUST 602,840 ASSESSED 602,840 ASSESSED SOH 261,730 TAXABLE 236,730 BUILDING 264,520 LAND 338,330	HOMESTEAD 25,000 AGRICULTURAL 0 WIDOW 0 WIDOWER 0 DISABILITY 0 WIDOWLY 0	UNITS OF MEASURE UT NUMBER OF UNITS 1.00 FRONTAGE 0 DEPTH 0 BEDROOMS 3 BATHROOMS 2

Your Enterprise Geospatial Imagery Solution

<http://www.landgate.com.au>



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SLIP – Business Drivers

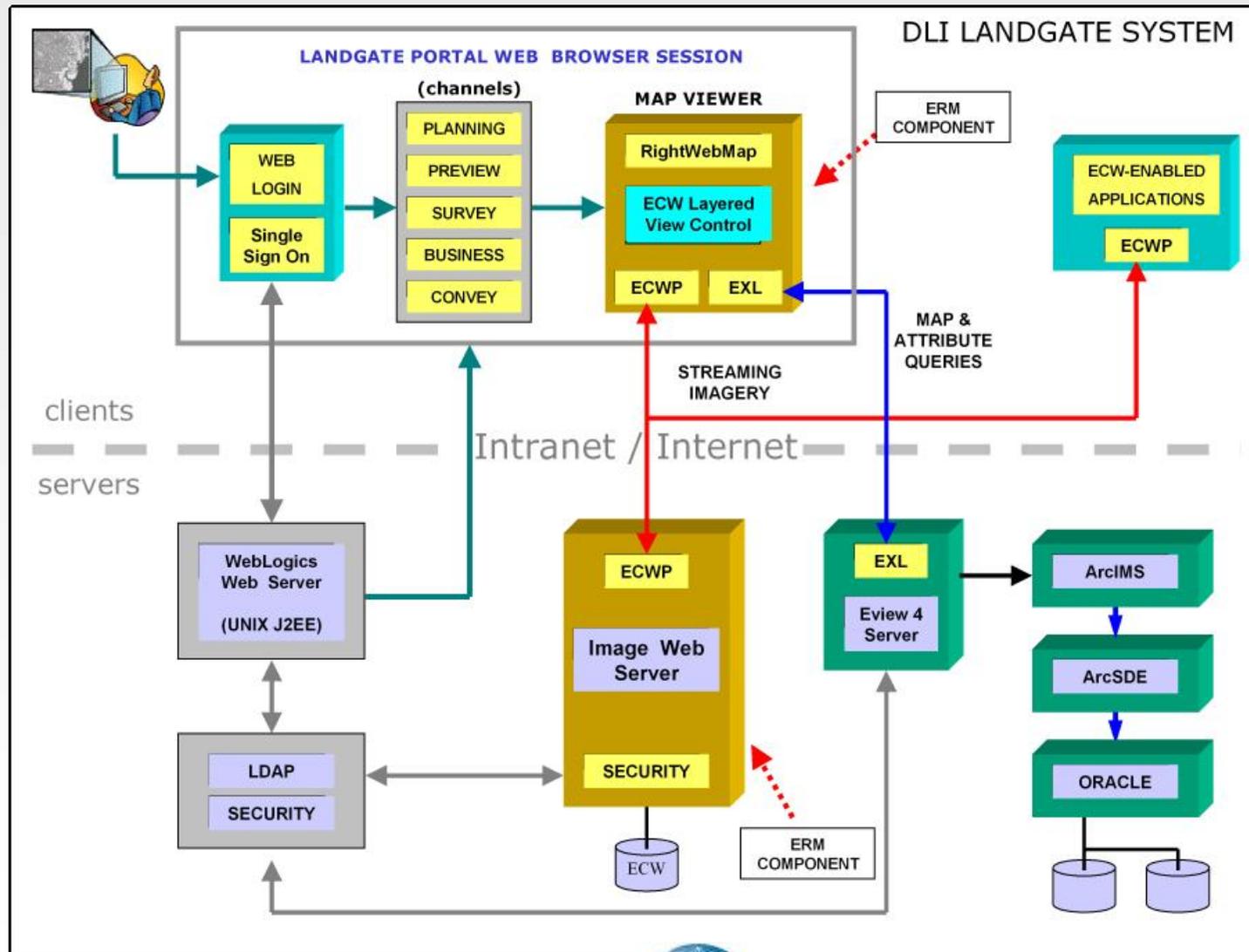
- Reduce duplicated capture of Imagery
- Consistent coverage of Imagery over the state
- Central Authoritative store of Imagery for the state
- Whole of State Capture program – Cost shared across 3 levels of Government
 - Local Government
 - State Government
 - Federal Government

SLIP – Shared Land Information Platform

- Accessing Government Information through SLIP
- Single point of Access
- Move towards e-government
- 26 Government agencies
- 6100 government employees using data
- Customised for communities of Interest
- Share and Coordinate Land Information On Line
- Current information from multiple sources
- Integrated Land & property information online
- Based on DLI's Land Information Infrastructure



Landgate Portal Architecture



SLIP – Landgate Data Online

- 1 Gbyte of Vector data including Cadaster and Topographical Information
- 5000 Gbytes of Image Information or 5 Tbytes
 - Increasing rapidly with historical Imagery being brought online
- GIS Solution to serve out vector data and Image Delivery and Integration solution to serve out Imagery
- Information designed to be integrated at client so not dependent on slowest link in solution architecture
 - Other benefits includes having partial solution

SLIP – Portal Channel

Planning Channel

– free public channel with limited Cadastral data and no image access.

Preview Channel

- full functionality
- limited to a specific suburb and with a single airphoto mosaic and a single street map mosaic.

Government Channel

– full functionality channel designed for Government departments.

Survey Channel

– full functionality channel with paid subscription access for surveying needs.

Conveyancing Channel

– designed for use in Land Conveyancing.

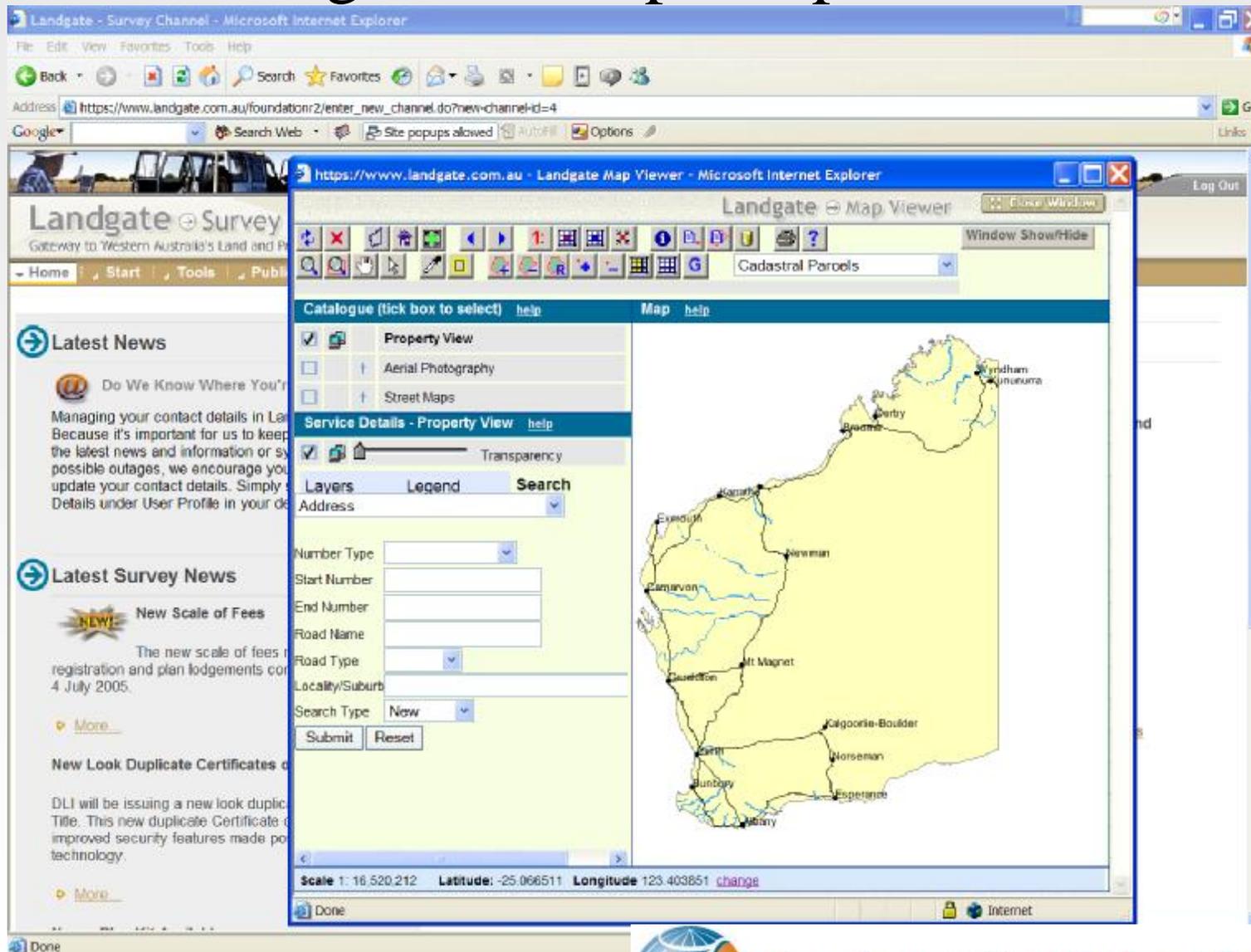
Each channel has different levels of access to both the Cadastral and the Imagery data. Access to the various channels is controlled by a user authentication system with Single Sign On security.

Portal Channel Options

The screenshot shows the Landgate Survey Channel website in Microsoft Internet Explorer. The browser address bar displays https://www.landgate.com.au/foundation/2/drill_infotable.do. The website header includes the title "Landgate Survey Channel" and the tagline "Gateway to Western Australia's Land and Property Information". A navigation menu at the top contains links for Home, Start, Tools, Publications, Useful Links, Change Channel, and User Profile. The "Change Channel" dropdown menu is open, showing the following options: Business, Conveyancing, Farm, Government, Planning, Survey (Default Channel), Frequently Asked Questions, Internet CRS, Map Viewer, Search for Geodetic Survey Marks (GOLA), and Survey Advice Officer. The main content area is divided into several sections: "Latest News" with an article titled "Do We Know Where You're At?", "Latest Survey News" with a "NEW!" badge and an article titled "New Scale of Fees", "System Messages" with a "View Current Messages" link and "Global" and "Scheduled" filters, "DLI Notices" with sub-sections for "Notices to Surveyors" and "Customer Information Bulletins", and "Previous Notices to Surveyors".



RightWebMap: Map Viewer



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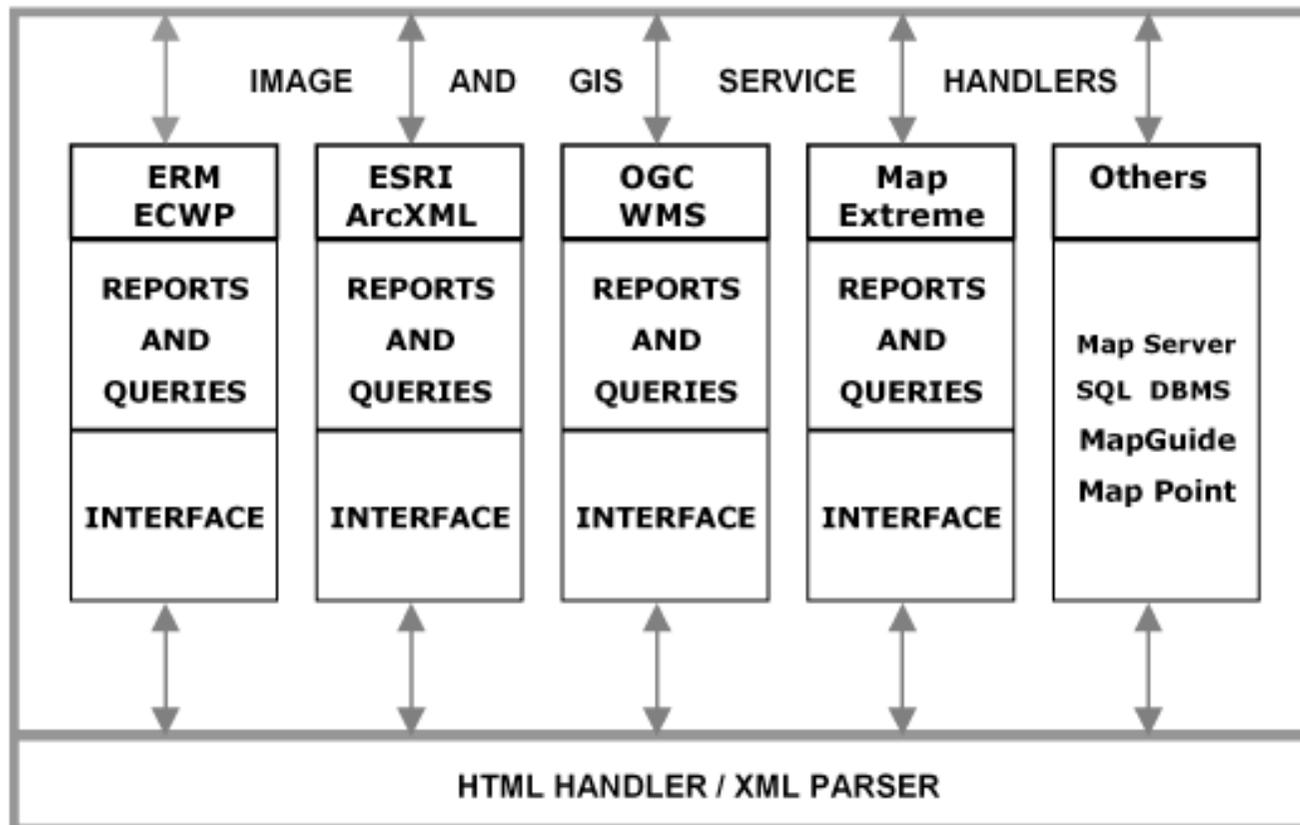


Department of Land Information
Government of Western Australia

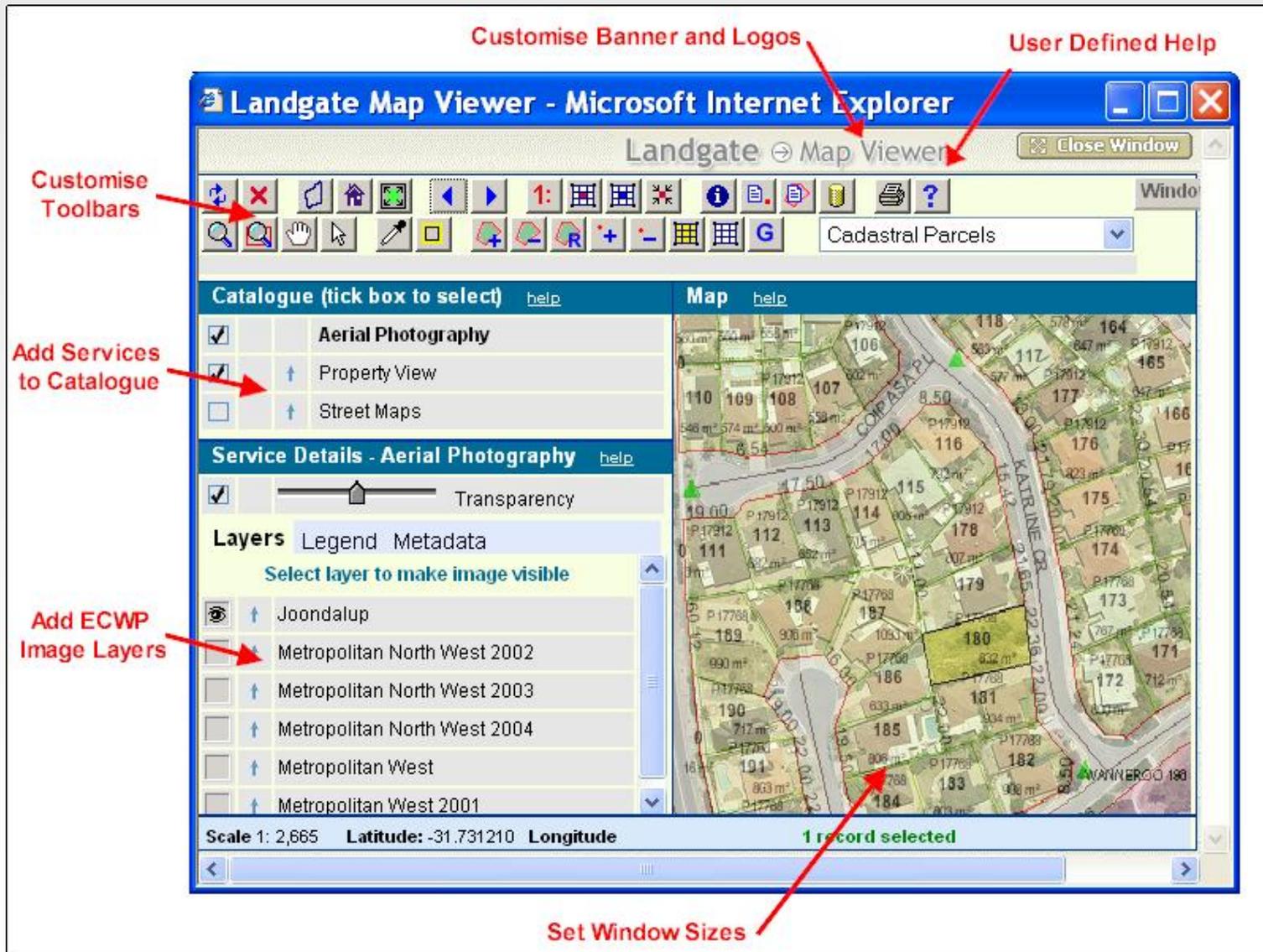
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MapViewer Architecture

RIGHTWEBMAP ARCHITECTURE – SERVICE HANDLERS COMPONENT



Map Viewer Interface



SLIP – Portal Services

- Emergency Management – Fire and Emergency Services
- Natural Resources Management
- Register of Interests
- Land Development



More Information

Come and see us at our booth

Thank You.

Some sites:

<http://www.ermapper.com>

<http://www.demo.ermapper.com>

<http://www.landgate.com.au>

