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eFarmer_Web_Application_PR.doc

eFarmer Web Application

The Victorian State Government, working closely with a number of Catchment Management Authorities CMAs, has developed and trialed a web-based application called eFarmer, which supports the capture, viewing and sharing Natural Resource Management information across farms, landscapes and catchments.

The eFarmer application is designed to support planning for farms and catchments. The web application informs private land managers of the natural resource management priorities of the CMA within which they reside and allows them to identify proposed and voluntarily implemented activities on their properties that may contribute to the achievement of CMA catchment wide targets.

The eFarmer project trial was highly commended at the 2006 Victorian Spatial Excellence Awards recently held in Melbourne.

Spatial Vision was contracted to design the application and develop the web-based prototype version. The eFarmer prototype has now been trialled for four months by a range of stakeholders including land managers, catchment planners and extension officers, to evaluate its ability to:

- improve understanding of the intentions and actions of landholders regarding changes in land management practice,
- provide a tool to help communicate regional priorities and targets to land managers, and
- contribute to more complete reporting on regional progress towards targets

Spatial Vision developed the prototype application using J2EE technologies with the spatial functionality based on OpenGIS standards and open source GIS server software. The mapping interface was developed using the OpenGIS version of the Internet Mapping Framework (IMF) Java framework from Moxi Media and the textual and spatial data held in an Oracle RDBMS using Oracle Locator. eFarmer is currently hosted by Spatial Vision's commercial web hosting service.

If the evaluation of the prototype application demonstrates that the application has sufficient value and applicability then it may proceed to a full-scale system.

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Who is Spatial Vision?

Spatial Vision works at the leading edge of geospatial and information technology. We develop innovative solutions that integrate geographic information with business applications. We offer unparalleled expertise in the delivery of web-based systems. We produce high quality mapping; supply, manage or audit a wide range of spatial information and undertake sophisticated spatial analysis. We supply and customise GIS applications and provide strategic, actionable consulting advice.

Established in early 1999, Spatial Vision has grown into one of Australia's leading Spatial Information (SI) companies with significant experience in delivering tailored solutions for organisations throughout Australia.

Our Business Partners



In 2002 Spatial Vision was awarded the ESRI New Business Partner of the Year Award.



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