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PEMS Demonstrator

The PEMS Demonstrator is a collaboration through the CRC for Spatial Information (CRCSI) and brings together a host of partners including the Victorian Departments of Sustainability and Environment, Justice, and Primary Industries; Geoscience Australia and Spatial Vision. PEMS is one of a number of demonstrator projects supported by the Centre.

The term 'PEMS' stands for Platform for Environmental Modelling Support. The objective of the full PEMS Production system is to develop an economic and effective means to integrate spatial information from a variety of sources to support commonly required query, analytical and modelling tasks. It is proposed that this be achieved through a shared infrastructure model so that participating users and organisations can integrate and aggregate their data based on a set of standards to support existing and new business activities while avoiding the need to invest in expensive stand-alone SI infrastructure.

The purpose of the **PEMS Demonstrator** Project is to undertake a thorough evaluation of the required core technical components and user interaction experience, and to support the development of a suitable case for the larger scale development.

This project is being conducted within the CRCSI, established and supported under the Australian Government's Cooperative Research Programme.

Work on Phase 1 of the PEMS Demonstrator project, which involves the preparation of a technical and functional specification for the PEMS Demonstrator, commenced in February 2007 and is scheduled to be completed in June 2007.

Spatial Vision* is responsible for the development of the PEMS Demonstrator system. DSE is managing the project on behalf of the CRCSI. Other project participants are supporting the project by contributing specific modelling expertise and experience.

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*Spatial Vision is a member of 43 Pty Ltd, the company formed to manage SME interaction with the CRCSI (see www.crcsi.com.au for further information).

 Participant through 

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


Authorised Business Partner

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

 PARTNER PROGRAM



Quality Certification

