



# ERIC

## RESOURCE APPLICATIONS

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*Environmental Research & Information Consortium Pty Ltd*

Develops the capacity of clients to achieve business and environmental outcomes through the development of resource intelligence.

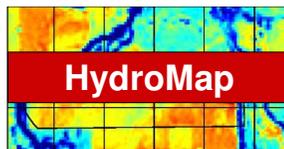
ERIC's professional expertise combines spatial information on the natural, infrastructure and social resources to address planning and management. The development, integration, interpretation and presentation of resource information improves land development and management while reducing risks and costs.

ERIC products and services include the use of microbial formulations to address production and environmental issues for industry. The formulations combine populations of microbes with substrates appropriate for applications such as restoring plant and soil health, productively utilising organic wastes and waste water.

### **Business Applications**

Clients for resource information include all levels of government, businesses and community groups. Services include the development of client capability to apply the information. Areas serviced include:

- Regional development
- Conservation
- Agriculture
- Horticulture
- Forestry
- Engineering and urban development
- Defence land management
- Insurance / finance
- Mineral exploration



### **The ERIC technology**

ERIC maps information on natural resources at a high level of detail and reliability using cost effective modern technologies. The information identifies business opportunities and reduces business and environmental risks.

Clients select from services that add value to their business. The services address planning, implementation, monitoring and reporting to achieve strategic objectives. The performance oriented services include:

- Land-use capability assessment
- Enterprise site selection.
- Environmental impact assessment
- Environmental monitoring
- Environmental management systems
- Planning and policy development
- Research and development.

The microbial formulations provide farmers & industry with a cost effective and environmentally sustainable means of improving production. Core applications addressed by the balanced formulations are:

- Soil conditioning
- Fertilisation and plant protection
- Water conditioning (ponds, dams)
- Composting
- Livestock probiotics

### **Benefits to clients of the ERIC technology**

- ✓ Improved profitability & sustainability through improved information
- ✓ Identify business opportunities
- ✓ More profitable use of sites
- ✓ Improved risk management
- ✓ Improved environmental outcomes

## The ERIC Mission

The ERIC vision is:

***“To improve our clients’ profitability and use of resources by applying detailed resource intelligence obtained using advanced technologies”***

This is achieved by providing products & services around comprehensive baseline environmental information needed for planning and management decisions. This development of resource intelligence includes monitoring and evaluation of key results to deliver continuous improvement in performance.

## Business Approach

The approach provides a comprehensive range of products and services to allow clients to select those that directly address their needs.

The client support includes:

- Development of new information to address specific needs
- Integration of all relevant information to produce business and environmental outcomes
- Building of client capability to use resource information for decision support
- Provision of microbial formulations and advice to achieve production and environmental outcomes
- Provision of life cycle business services

## ERIC History

For more than 10 years ERIC has implemented an ongoing R&D program to develop practical, innovative solutions using cost-effective remote sensing technologies to address resource management needs. These developments promote the efficient achievement of desired business and community outcomes.

Consultants in a wide range of biological, earth and social sciences support the core ERIC capability. Disciplines include ecology, soils, hydrology, biology, sociology, economics, statistics, and consultation.

ERIC has established credentials with a broad range of clients including:

- Farmers (agriculture, viticulture, forestry).
- Agencies (federal, state and local).
- Regional development organisations.
- Land-care and catchment management groups.
- Land and water management authorities.

## Information to Intelligence

ERIC has a core capability to develop detailed mapped information on resources from remotely sensed and other data. Remote sensing products include soil property maps, native vegetation, crop condition, land use, irrigation application and floods. Maps are produced for climatic variables such as frost risk and cold air drainage. This information is turned into intelligence, as with identifying the best soils and locations for particular enterprises, and risks associated with frost, floods, and salinity. Applications addressed include ground water bore location, waste water disposal and dryland salinity.

Knowledge of the natural resources is used to gain maximum benefit from the application of microbial formulations.

Products and services are detailed in capability statements addressing key application areas. Background papers to the technology are available on the web.



**Microbial Balancing**