

STRATEGIC PLAN 2007-2012

PRIMARY INDUSTRIES INNOVATION CENTRE

UNE

UNIVERSITY OF
NEW ENGLAND



NSW DEPARTMENT OF
PRIMARY INDUSTRIES

Values

Adherence to the highest standards of professional conduct and integrity
Compliance with accepted ethical standards and guidelines for research
Ensuring the safety of all those associated with the Centre's activities
Adherence to contractual obligations project management protocols
Research results and methods open to scrutiny by peers and public
Protection of confidentiality and ownership of intellectual property

Performance Indicators

Number of new collaborative projects involving UNE and NSW DPI staff
Number of jointly supervised post-graduate students
Number of NSW DPI staff involved in under-graduate teaching
Number of joint scientific publications and extension communications
Value of external funds attracted to address PIIC strategic priorities
Stakeholder and client satisfaction with PIIC performance and profile

Vision

By 2012, the PIIC will be recognised regionally, nationally and globally as a premier deliverer of primary industries research, extension and training outcomes

Mission

The Primary Industries Innovation Centre (PIIC) was created to unite the basic research and teaching capabilities of UNE with the applied research and extension capabilities of the NSW DPI to provide innovative solutions to priority primary industries issues and problems

Key Result Area 1

New technologies, new industries and new value-added products developed in response to market demands and regional resource capabilities

Strategies

- 1.1 Establish a broad-based biotechnology and molecular biology facility to provide solutions for human and environmental health
- 1.2 Develop functional foods for improved human health and disease prevention from regional crop and livestock products
- 1.3 Develop tools for the implementation of a sustainable and regionally based biofuels industry
- 1.4 Develop crop, pasture and livestock technologies that capture carbon, reduce emissions and are adapted to climate change
- 1.5 Develop and promote farming systems that are water-efficient and that conserve the natural resource base
- 1.6 Develop new crop, pasture and livestock management systems for increased productivity and profitability

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Key Result Area 2

Validated solutions to environmental, economic and social constraints to practice change consistent with government and community expectations

Strategies

- 2.1 Generate a policy environment that encourages moves towards sustainable rural communities
- 2.2 Develop integrated systems for management of weeds, diseases and insect pests
- 2.3 Validate the science underpinning new technologies and proposed practice changes for natural resource management
- 2.4 Measure and monitor the environmental, economic, social and legal risks impacting on adoption of new technologies
- 2.5 Develop innovative approaches to coping with extreme climatic events and incursions by exotic weeds, diseases and pests
- 2.6 Provide policy and risk management solutions for drought, fire, invasive weeds, pests and diseases in a climate change scenario

Key Result Area 3

New ways of delivering, extending and commercialising new technologies and practices for a changing socio-economic and physical environment

Strategies

- 3.1 Identify and provide solutions to socio-economic and regional infrastructure constraints to sustainable development and diversification of primary industries
- 3.2 Develop an integrated framework for primary industries education and training to meet the future needs of landholders, advisers, regulators, researchers and the wider community
- 3.3 Provide advice and undertake research & development on how to prioritise, develop and deliver innovations to primary industries
- 3.4 Analyse the socio-economic viability of value chains and value-adding for existing and new regional primary industry products

Key Result Area 4

Delivery of world class research, development, education and extension outcomes in primary industries innovation and sustainable development through international collaboration

Strategies

- 4.1 Initiate international research and development partnerships to synergise creativity and inventiveness in primary industries innovation
- 4.2 Extend primary industries research and extension expertise to the Asia-Pacific Region to improve food security, reduce poverty and to address global environmental challenges
- 4.3 Recruit international students to PIIC through development of international partnerships and promotion of PIIC expertise
- 4.4 Develop strategic alliances with tertiary education providers in developing countries to improve learning outcomes for sustainable land management practices
- 4.5 Selectively build international collaborations with individuals and entities strategically aligned with PIIC's vision and positioning

Key Result Area 5

A seamless relationship between UNE and NSW DPI that promotes long-term strategic collaboration to achieve the vision and mission of the PIIC

Strategies

- 5.1 Create and jointly operate facilities that fill existing gaps in capacity or improve efficiency of operation of existing capacity
Identify and execute co-location of staff that will promote greater synergy and collaboration
- 5.2 Develop and execute plans for co-investment in new staff that will promote greater synergy and collaboration
- 5.3 Create awareness and incentives to stimulate UNE and DPI staff to work towards PIIC goals and source external funding
- 5.4 Promote PIIC externally as the leading provider of research in the area of primary industries innovation