

COLLABORATION

INNOVATION

IMPACT



PORTFOLIO **ONE** SUMMARY

NEW PEST ANIMAL AND WEED MANAGEMENT TOOLS AND STRATEGIES THROUGH
COLLABORATIVE RESEARCH, DEVELOPMENT AND ENGAGEMENT

RESEARCH, INNOVATION AND ENGAGEMENT PORTFOLIO

INNOVATION DOMAIN	OUTCOME AND KEY PROJECTS
Incursions 	PROTECTION OF AUSTRALIA'S ECONOMY, ENVIRONMENT AND SOCIAL AMENITY FROM THE IMPACTS OF NEW PEST ANIMALS AND PLANTS THROUGH A NATIONAL INCURSION MANAGEMENT SYSTEM <ul style="list-style-type: none"> • Development of a National Incursion Management Framework • Understanding and intervening in illegal trade in non-native species • Development of integrated surveillance tools and networks • Real time eDNA tools to improve early detection • Tools for optimal decisions for vertebrate pest eradications
INNOVATION DOMAIN	OUTCOME AND KEY PROJECTS
Integrated Landscape Management 	REDUCTION IN THE ECONOMIC, ENVIRONMENTAL AND SOCIAL COSTS ASSOCIATED WITH INVASIVE SPECIES THROUGH DEVELOPMENT AND DEMONSTRATION OF LARGE-SCALE INTEGRATED MANAGEMENT STRATEGIES <ul style="list-style-type: none"> • Cost effective management of wild deer • Role of wild deer in potential exotic disease outbreak and the risk to livestock • Wild dog and deer management in peri-urban landscapes • Preparation for RESET to foster biodiversity and productivity gains from invasive animal management • Assessment of the economic and productivity gains from cluster fencing
INNOVATION DOMAIN	OUTCOME AND KEY PROJECTS
Biocontrol 	SUSTAINABLE REDUCTION OF THE IMPACTS OF ESTABLISHED PEST ANIMALS <ul style="list-style-type: none"> • Long term and sustainable rabbit biocontrol agent pipeline & optimised management strategies • Tilapia biocontrol: prospecting and evaluation • Genetic technologies for pest animal control – developing a priority framework
INNOVATION DOMAIN	OUTCOME AND KEY PROJECTS
Management Tools and Systems 	OPTIMAL COST-EFFECTIVE PEST ANIMAL MANAGEMENT THROUGH NEW AND IMPROVED TOOLS AND SYSTEMS <ul style="list-style-type: none"> • Feral deer aggregator
INNOVATION DOMAIN	OUTCOME AND KEY PROJECTS
Community Engagement and Education (pests and weeds) 	IMPROVEMENT IN THE HUMAN AND INSTITUTIONAL ASPECTS OF THE MANAGEMENT OF PEST ANIMALS THROUGH ENGAGEMENT IN SCIENCE AND EVIDENCE-BASED ON-GROUND RESPONSES <ul style="list-style-type: none"> • Behaviourally effective communication and engagement • Balanced Researcher Doctoral Leadership Program • Facilitating community adoption of digital resources – Feral Scan • National Wild Dog Coordinator • PestSmart Digital Platform Upgrade

THE CENTRE FOR INVASIVE SPECIES SOLUTIONS WILL TAKE AUSTRALIA'S COLLABORATIVE INVASIVE ANIMALS RD&E FORWARD

- **END USER AND DEMAND DRIVEN APPROACHES**

Knowledge and innovation to meet the needs of industry, government and the community to reduce the impact of invasive species.

- **STRONG PARTNER ENGAGEMENT**

An inclusive and engaged culture to drive innovation through collaboration.

- **SHARED MISSION FOR EFFICIENT RESULTS**

Government-industry partnerships to invest in shared outcomes.
Delivery of collaborative solutions to maximise investor returns.

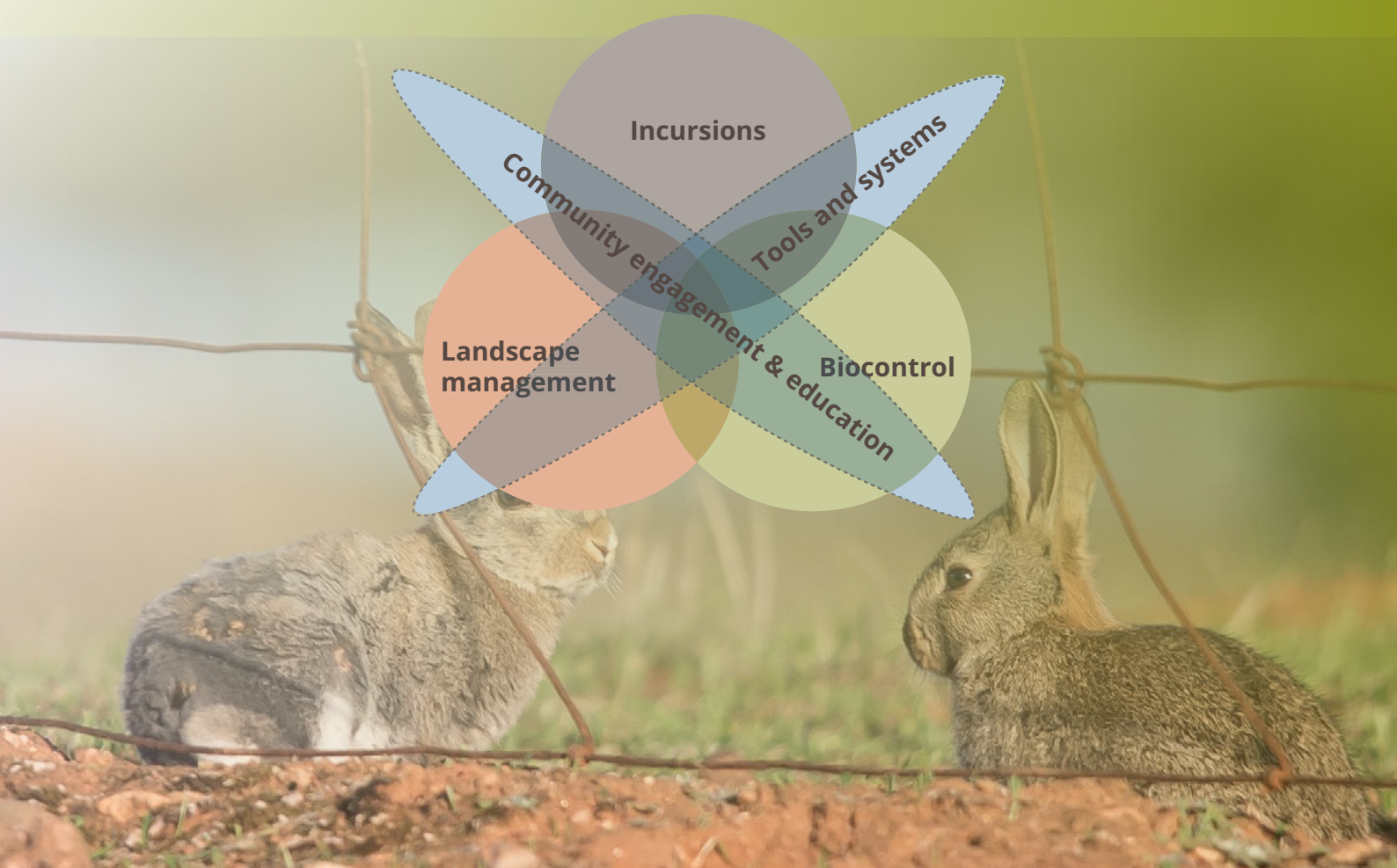
- **NATIONAL REACH**

Focus on new technologies and management practices that have national and international application delivered through a partnership model.

- **RESEARCH TO EXTENSION SCOPE**

Connecting world class research capability to agencies and staff that can drive innovation into on-ground practice.

The Centre will pursue research and innovation outcomes aligned to five Innovation Domains. Three of these Domains provide the underpinning science, while two support the translation of the science into tools, decision support systems and ultimately adoption of the Centre's research through close community and stakeholder engagement.



COLLABORATIVE INNOVATION THROUGH SIX FOCUS AREAS

Pursuing impact through key focus areas

The Centre will demonstrate impact across its Domains by engaging in six focus areas associated with the invasive species innovation pipeline



OUR MEMBERS



OUR PARTNERS

