CENTRE FOR
INVASIVE SPECIES SOLUTIONS

For nearly two decades, we've been at the forefront of pest animal and weed innovation in Australia. Our unique and impactful services stand out in the field of agricultural and environmental land management. Our focus on protecting biosecurity to enhance biodiversity and our innovation track record, cutting-edge technologies and expertise distinguish us from others in the industry.

Our services enable precise pest animal and weed control and monitoring, significantly improving biodiversity protection and restoration. We also offer robust community engagement and training programs, empowering corporate landowners and enhancing environmental stewardship.
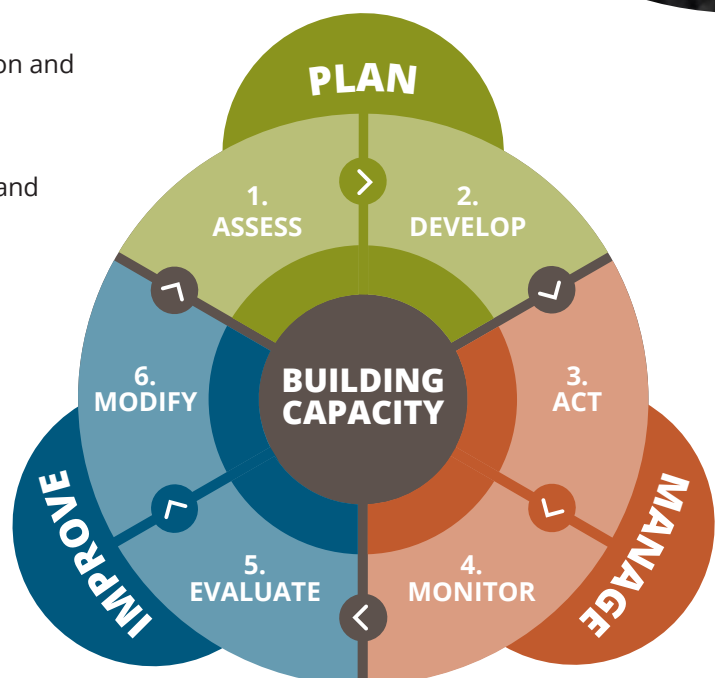
Our solutions provide cost-effective, labour-efficient biodiversity assessment and management strategies that deliver sustainable outcomes to environmental challenges. By leveraging our expertise, best management practice methods, and extensive network, we help our clients meet their evolving land management goals while enhancing operational efficiency and compliance.

We are our clients' trusted partner in the journey towards a nature-positive future, ensuring a lasting positive impact on the environment and business operations.

SERVICES

- Biodiversity offset strategies and offset site management plan development, implementation and reporting

- Large-scale flora and fauna detection, baseline assessments, surveillance, control, monitoring and reporting

- Development and implementation of environmental management plans and Impact Assessments aligned with legislative requirements and industry best practice

- Community engagement and education delivering social licence to corporate landowners engaged at the local level

PLAN

1. ASSESS
2. DEVELOP
3. ACT

BUILDING CAPACITY

4. MONITOR
5. EVALUATE
6. MODIFY

IMPROVE

MANAGE

QUALIFIED   CONNECTED   RESPECTED

THE DIFFERENCE IS IN OUR DNA

Our services are evidence-based and leverage our track record in delivering innovation to the industry. Since 2017, we have invested $96 million with joint venture partners to deliver innovation and technology and create a step change in land management practices.

We enjoy longstanding collaborations with a nationwide network of experts, government agencies and organisations involved in invasive species management. Our network can be leveraged to provide our clients with access to a wide range of resources and expertise and enhance our effectiveness.

Collaboration with
22
member and partner organisations

Over
150
researchers worked across **31 projects**

Delivered a
5.0 TO 1
Benefit-Cost Ratio return on investment over five years

Produced
14 TOOLS
including the Accoustic Detection Arrays and the ThermEye™ thermal imagery analysis algorithm

$545.3
million
Portfolio No. 1 Total Expected Net Benefits

A NATIONWIDE DIGITAL FOOTPRINT

The Centre has an enviable digital presence in the land management industry.

feralSCAN

39,000+
Registered **FeralScan users**

weedSCAN

30,000+
WeedScan app downloads since launch

pestSMART
feralSCAN
weedSCAN
weedsAUSTRALIA

70,000+
total monthly users of our four digital platforms

CENTRE FOR
INVASIVE SPECIES SOLUTIONS

50,000+
views Jan - Jun 2025 of the Centre's website

6,000+
subscribers to the monthly e-newsletter

8,000
followers across the Centre's social media accounts

"Our innovative proprietary technology platforms back our on-ground services, ensuring we deliver the gold standard in land management."

In the field creating a suite of training images for the AI model. Photo: Andrew Mitchell.

Anonymous

Prickly sowthistle	99%
Sonchus asper	
Perennial thistle	2%
Cirsium arvense	
Not in WeedScan	1%
Not in WeedScan	

History   Menu

COLLABORATION POWERS AN AUSTRALIAN FIRST IN AI

WeedScan, Australia's first AI weed identification and management app, is the result of a national collaboration involving some of CSIRO's brightest minds.

Weed botanists from our nation's science agency travelled the length and breadth of Australia capturing more than 120,000 weed images to train the app's AI model.

Dr Alexander Schmidt-Lebuhn, Senior Research Scientist, is pictured below using the app to generate a weed record, as shown inset on the left.

WeedScan is the result of a collaboration powered by the Centre for Invasive Species Solutions, CSIRO, the Atlas of Living Australia, the NSW Department of Primary Industries and the South Australian, Queensland and Victorian Governments. The project was funded by the Australian Government's National Landcare Program.

OUR SOLUTIONS AT WORK

The Centre works alongside one of Australia's largest energy companies. Part of the company's operation involves managing high-quality offsets: we're proud to support them deliver on this commitment.

Our team bring extensive expertise in delivering pest animal research, monitoring, and control solutions across 16,210 hectares of the company's environmental offset areas. Targeted species that pose a danger to native threatened species include feral pigs, cats, foxes, and wild dogs.

Extensive research has enabled spatial data collection to underpin improved management techniques and target control efforts to reduce pest animal populations. In addition, vital data management and reporting, drawn from ongoing and successful community engagement, scopes the activities and results to inform the management and integrity of environmental offset areas.

Photo: David Worsley.

Talk to us for solutions to your land management challenges today

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