



UNIVERSITY OF  
NEWCASTLE

# CENTRE FOR CONSERVATION SCIENCE

**Biodiversity Solutions Through Collaborative Science**

**The Centre for Conservation Science brings together interdisciplinary expertise to tackle biodiversity conservation challenges through collaborative research partnerships. Our team combines specialists from ecology, social sciences, arts, communications, reproductive biology, medicine, physiology, economics, political science, and computer science to develop innovative solutions for complex environmental problems.**

## PARTNERSHIP CAPABILITIES

- **Custom Research Solutions:** Tailored research programs addressing specific conservation challenges
- **Technology Development:** Advanced monitoring systems and tools for biodiversity assessment
- **Expert Consultation:** Access to multidisciplinary scientific expertise across diverse fields
- **Data Analysis & Monitoring:** Comprehensive biodiversity monitoring and analysis services
- **Collaborative Problem-Solving:** Joint development of practical, evidence-based conservation strategies

## PROVEN IMPACT

- **Species Recovery:** Successfully secured threatened species including the parma wallaby, Littlejohn's tree frog, and green-and-golden bell frog
- **Technology Innovation:** Developed the BioMON biodiversity monitoring system for large-scale species monitoring
- **Advanced Monitoring:** Pioneered drone-based koala monitoring techniques
- **Scalable Solutions:** Created monitoring frameworks that can be deployed across extensive geographical areas

## SAVING THE PARMA WALLABY FROM EXTINCTION

Once thought extinct for over 30 years, the parma wallaby was rediscovered in 1967 with a population of just a few hundred. Through our collaborative research approach, we developed targeted conservation strategies that have successfully secured this threatened species, demonstrating how science-driven solutions can reverse biodiversity loss.



## CONTACT US:

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