

1. **ACERA Project No.:** 06 / 04
2. **Project Title:** Optimal allocation of resources to emergency response actions for invasive species
3. **Theme:** Surveillance and monitoring
4. **Rationale:** This project will develop tools and methods to assist in prioritising investments in surveillance, eradication and other management activities, particularly in the environmental arena, that account for an organism's life-history, detectability, current spatial occurrence, containment, pattern and extent of its spread, and on the objective; whether we aim to maximize expected outcomes or aim for highly reliable, satisfactory outcomes. The project will run working groups annually to develop ideas and test innovations.
5. **Outputs:** The project will produce reports, software and supporting documentation for decision support tools for resource allocation that are account for re-invasion, detectability, spatial pattern of invasion, information feedback about control and uncertainty in achieving objectives. The reports will use case studies and examples relevant to DAFF applications.
6. **Time frame:** Commencing: *July 2006*, Finishing: *June 2009*

7. Project Leader(s):

Title	Name	Organisation
Prof	Hugh Possingham	U Q
Dr	Mick McCarthy	ARCUE

8. Resources

	06/07	07/08	08/09
<i>Salaries and stipends</i>	150,000	156,000	162,000
<i>Travel</i>	35,000	35,000	35,000
<i>Operating and capital</i>	27,300	19,100	17,200
Project Total	\$212,300	\$210,100	\$189,200

- 9. End Users:** AQIS, BA, PIAPH, AusBioSec, AHA, PHA, BRS, ABARE