



FNQ NRM LTD



## Strategic NRM and land use planning

Dr Cathy Robinson

Acknowledgments: DEW, FNQ NRM Ltd, Traditional Owners, key project partners

[www.csiro.au](http://www.csiro.au)

FNQ NRM LTD



## Project Overview

**Issue:** Improving planning and institutional arrangements underpinning water quality, biodiversity and wider ecosystem services in GBR catchments — *while maintaining viable communities – and through effective partnerships*

**Research aims and objectives:**

- Rigorous cost-effective water quality management model
- Effective local planning frameworks to support biodiversity outcomes
- Well-designed market-based instruments including offsets for supporting environmental conservation

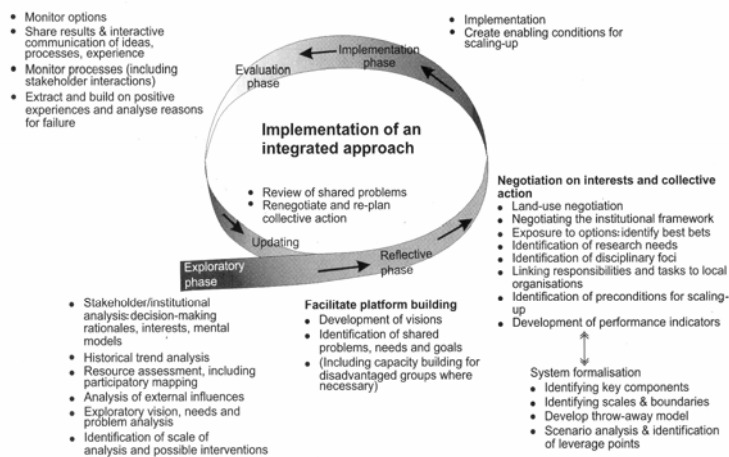


## Theoretical foundations

- Adaptive collaborative planning and management
- Integrated research and planning
- Social learning and community focus
- Market failure analysis



## Example of framework/model





## Key People

Dr Cathy Robinson, Dr Mark O'Donohue, Mr Bruce Taylor, Dr Kristen Williams, Ms Sonya Heyenga, Dr Petina Pert, Dr Rosemary Hill, Ms Anthea Coggan, Dr Stuart Whitten, Dr Allan Dale, Ms Ellie Bock, Ms Rowena Grace, Mr Tony O'Malley, Mr Steve McDermott, Dr Peter Roebing, Dr Stefan Hajkowitz

### Stakeholder groups /end users:

- FNQ NRM Pty Ltd
- Aust Govt: DEW
- State Govt: EPA, DLGP, DNRW, WTMA
- Local Govts: Johnstone and Cardwell
- Traditional Owners



## Methodology

**Research partnerships:** extensive

**Case studies:** Tully WQIP, Reef Partnership, Mission Beach Habitat Network Action Plan, Daintree

**Tools:** SMART partnership, Biodiversity models, Systematic conservation planning, Offsets, Local Area Plans, Incentive packages, Brokering with other plans (SRP, SPP on Cassowaries etc.), Landscapes Toolkit

**Analysis and synthesis:** conceptual models, context analysis, "throw-away" models, scenario building, trade-off analysis



## Project Timeframes

**2006:** Scope delivery context; engage research partners, design conceptual frameworks;

**2007:** Test and apply new tools /models and appraise their suitability & effectiveness;

**2008:** Identify reform implications for policy and planning initiatives for different asset types and scales



## Key Research Outcomes

**Set of adaptive collaborative models, frameworks and tools for:**

- Water quality improvement planning and implementation
- Local area biodiversity and environmental conservation planning and implementation
- Implementation of market-based instruments for ecosystem services
- Enhanced community capacity and empowerment through these processes

**Contact**

Name Dr Rosemary Hill  
Title Planner/ Senior Scientist  
Phone +61 7 40421252  
Email Ro.hill@csiro.au  
Web [www.cse.csiro.au/research/](http://www.cse.csiro.au/research/)

**FNQ NRM LTD**



**Thank You**

**Contact CSIRO**

Phone 1300 363 400  
+61 3 9545 2176  
Email [enquiries@csiro.au](mailto:enquiries@csiro.au)  
Web [www.csiro.au](http://www.csiro.au)