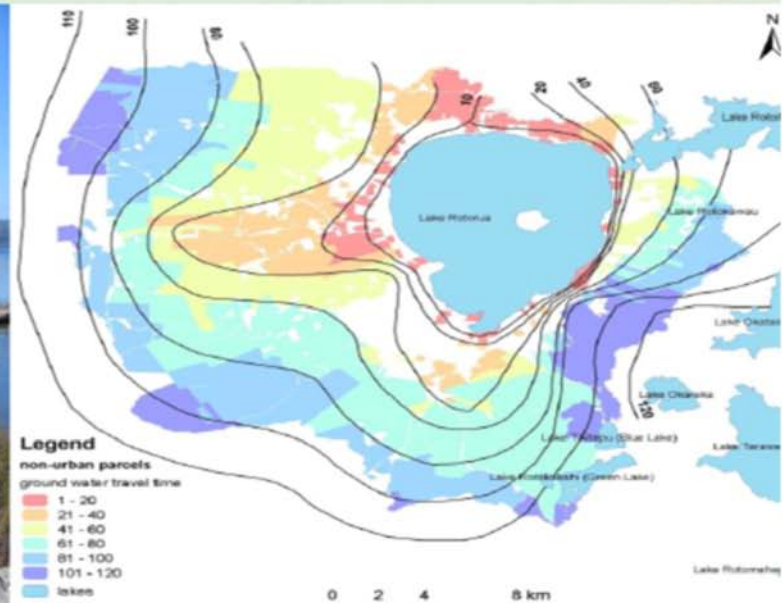


Markets and Water Quality: Integrated Assessment for Policy Design

FRST-NIWA Freshwater Research Symposium, 2010



Objective 1: Policy design under uncertainty

Motu, Chapman Tripp, University of Waikato,
Nutrient trading study group

Objective 2: Integrated land use and water simulation model

NIWA, Motu, GNS-Science, AgResearch



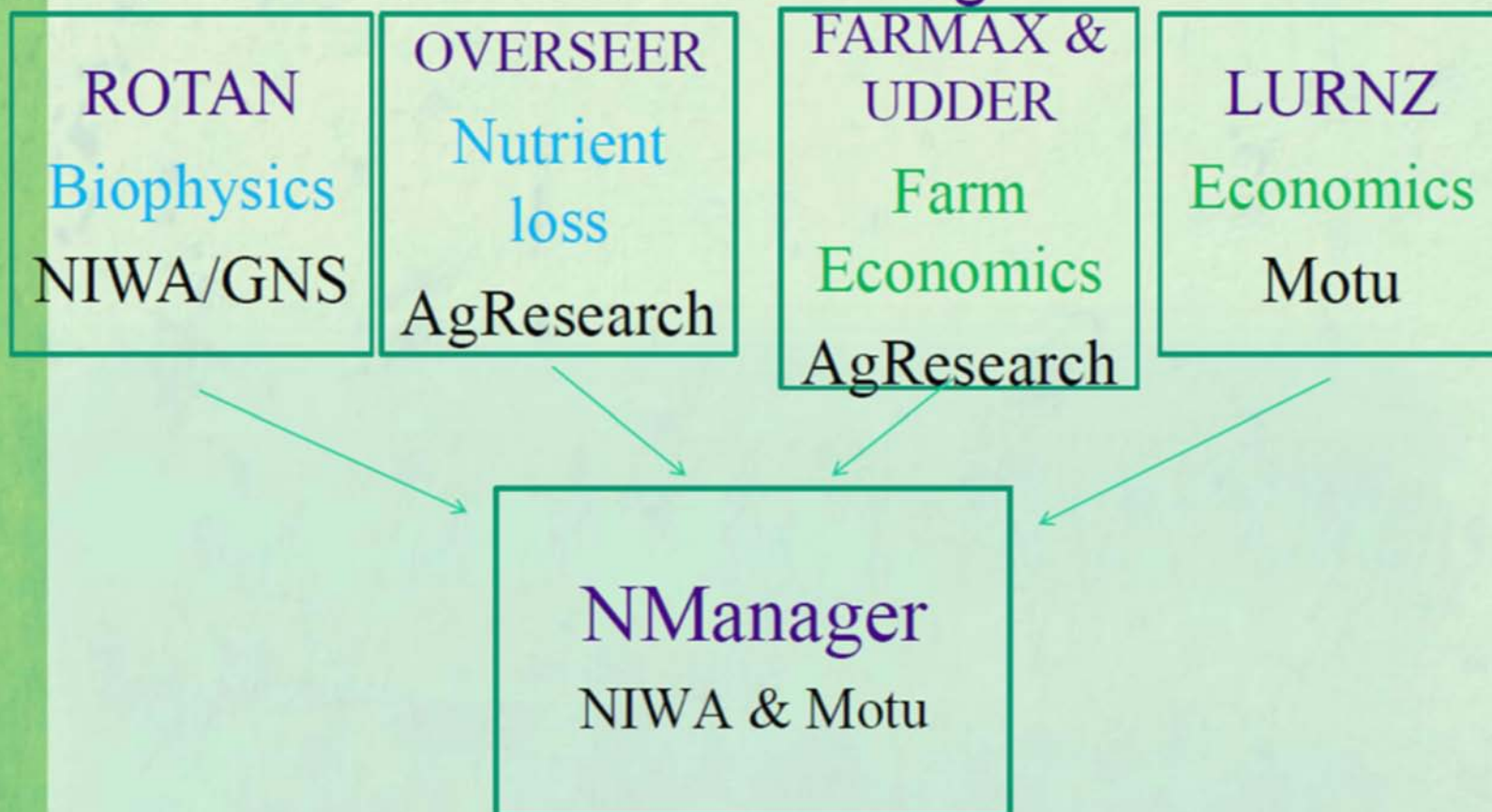
1. Policy design under uncertainty

- Prototype nutrient trading policy developed with stakeholder group: targets, monitoring, scope, governance, distribution of costs, legal implementation
- New issues: compliance, transaction costs, technology change, subdivision, other policy options: e.g. effects of voluntary subsidies for land use change
- Trading game and videos developed for education/communication





2. Integrated land use and water simulation model - NManager



Question simulations address

- How much will different targets cost?
- Who will mitigate and where?
- What sorts of land use patterns are possible with different targets?
- What is likely cost and environmental effect of policies – e.g. Simple nutrient trading, Land retirement, best management practice?
- Who will bear costs under different policies?



Long term aim: inform water quality policy throughout
NZ by finding excellent solutions in Rotorua

www.motu.org.nz

