

# NZARES Conference 2009

## List of Papers and Authors

### Contributed Paper Sessions 1 Thursday 11.00- 12.30 pm

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#### Trade (Room 1)

#### Chair:

The impact of the reintroduction of export subsidies on Australia and New Zealand

Saunders, C.M, Kaye Blake, B and Campbell R.

The Situation and Outlook for New Zealand Agriculture and Forestry

Rod Forbes

How Important is Reputation for New Zealand Wine Makers

Kathryn Bicknell, Ian MacDonald

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#### Economic Modeling (Room 2)

#### Chair:

A review of multi agent simulation models in agriculture

Kaye-Blake, W.; Li, F.; Martin, A.M.; McDermott, A.; Neil, H.; Rains, S.

Scenario analysis of New Zealand's sheep meat and beef sector over the next 10 to 15 years

Hamish Forsyth and Russell Knutson

An economic analysis of the impact on renewable generation of alternative regimes for funding investment in transmission

Phil Bishop, Erwan Hemery

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#### Farm performance I – Dairy (Room 3)

#### Chair: Phil Journeaux

Dairy Farm Debt and Liquidity

Angie Fisher and Matthew Newman

Dairy productivity in the Waikato region, 1994-2007

Michael P. Cameron and Kendon Bell

Measuring NZ Dairying Competitiveness

Matthew Newman, William McMillan,

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## Contributed Paper Session 2 – Thursday 1.30- 3.30 pm

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### Fisheries Management (Room 1)

Fishing for fishers: how many recreational fishers in the Marlborough Sounds

Economic Analysis of Cost Recovery and Rent Collection

Regulatory Reform and Quota Prices

Transaction costs in the ACE market.

### Chair: Eugene Rees

Chris Batstone.

Ralph Townsend

Basil Sharp and Mike Wang.

Ralph Townsend

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### Environmental Indicator Decision Making (Room 2)

Ranking New Zealand river values – a novel approach to managing the 'chalk and cheese' problem

Agricultural environmental indicators: Using OECD agricultural environmental indicators to assess New Zealand kiwifruit orchards

Integrated assessment of the environmental, economic and social impacts of land use change using a GIS format – the CLUES model

Capital Based sustainability indicators as a possible way for measuring agricultural sustainability

### Chair:

Ken Hughey

Saunders, C.M, Kaye Blake, B , Campbell R. and Bengel, J.

Simon Harris

Saunders, C.M, Kaye Blake, B and Campbell R.

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### Non Market Valuation I (Room 3)

The Existence Value of Peat Swamp Forest in Peninsular Malaysia

Environmental and Social Values from Plantation Forests: A Study in New Zealand with Focus on the Hawke's Bay Region

Efficient design for willingness to pay in choice experiments: evidence from the field

Comparing stated and inferred attribute non-attendance under different truth-revealing mechanisms

### Chair: Dan Marsh

Mohd Azmi, M.I. , Cullen, R. , Bigsby, H. <sup>3</sup>, & Awang Noor, A.G

Rosa Rivas Palma, Bruce Manley and Geoffrey Kerr

Geoffrey N Kerr and Basil M H Sharp

Viola Bruschi, Simona Naspetti, Riccardo Scarpa, Raffaele Zanoli

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## Contributed Paper Sessions 3 Friday 8.30 - 10.30 am

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### Greenhouse Gas Emissions (Room 1)

Estimating a Marginal Abatement Cost Curve of Greenhouse Gas Emissions within the New Zealand Agriculture and Forestry Sector

Measuring and projecting flows for Green House Gases for agriculture and plantation forestry

Potential Scrub Changes and Its Spatial Allocation under the New Zealand Emission Trading System

A methodology for valuing the impact of an emissions trading scheme on forest and forest land value.

### Chair:

Stewart Sinclair, Suzi Kerr and Wei Zhang

Darren Austin and Rosa Rivas Palma

William Power

Gabriel Fiuza de Braganca,

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### Non Market Valuation II (Room 2)

The inherent value of soil characteristics: a hedonic analysis

Comparing welfare estimates from experimentally designed attributes vs people's perceived attributes of water quality.

Valuing indigenous biodiversity in the freshwater environment

How much are people willing to pay for better water quality and do they care about the impact on dairy farming?

Urban Water Restrictions: Attitudes, Information and Willingness to Pay

### Chair: Geoff Kerr

Oshadhi Samarasinghe and Suzie Greenhalgh

Dan Marsh<sup>1</sup> and Lena Asimenye Mkwara

Brian Bell, Michael Yap and Charlotte Cudby

Dan Marsh

Bethany Cooper and Lin Crase

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### Biosecurity (Room 3)

Pride of the South: Risk Analysis for Marine Biosecurity in Fiordland

Using involvement to understand responses to biosecurity

Measuring the Consistency of Phytosanitary Measures

### Chair:

Jim Sinner, Bethany Roberts and Richard Piola

Denise Bewsell, Hugh Bigsby and Ross Cullen

Hugh Bigsby

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## Contributed Paper Sessions 4 Friday 1.00 - 2.30 pm

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### Farmer Decision Making and Adoption (Room 1)

Developing an institutional model for the extension and adoption of environmental Best Management Practices by pastoral farmers in New Zealand

Factors influencing adoption of agroforestry among smallholder farmers in Zambia

Using Ethnographic Decision Tree Modeling to Explore Farmer's Decision-making Processes: a case study

### Chair:

Phil Journeaux

Gillian Kabwe, Hugh Bigsby, Ross Cullen

Hein Roth, Neels Botha

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### Resource Efficiency (Room 2)

Analysis of Environmental and Economic Efficiency: Application of the Overseer model and simulated data

Squeezing More From Each Drop - A Framework for Water Efficiency Improvement in NZ

Environmental Markets—What does NZ need to do to mainstream markets?

### Chair: Stuart Ford

Thiagarajah Ramilan, Frank Scrimgeour and Dan Marsh

Murray Doak

Suzie Greenhalgh and Susan Walker

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### Farm performance II – General (Room 3)

Comparative Performance Of Organic, Conventional, And Integrated Producers In New Zealand

Modelling the Regional Economic Impacts of the 2007/08 Drought: Results and lessons.

Assessing the Feasibility of Integrating a Bio-process within Pastoral Farming Systems using Agribusiness Investment Analysis Options and Dynamic Simulation Modeling S.E. Sinclair and R. MacManus

### Chair:

Glen Greer, Bill Kaye-Blake and Rachel Campbell

Geoff Butcher

S.E. Sinclair and R. MacManus

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