

Conference Program

*Please note that program is subject to change

SUNDAY 2 OCTOBER 2005

3.00pm Registration Opens

OPENING SESSION

CHAIR: Greg Harper

5.00pm Conference Opening Address - Making Sense of Animal Agriculture in a Climate of Challenge and Controversy: More of the Same or Need to Redesign? **Shaun Coffey** Chief, CSIRO Livestock Industries, Australia

5.50pm Sponsor Presentation **Australian Wool Innovation**

5.55pm Housekeeping **Dave Swain** Chair, Conference Organising Committee & Research Scientist - Livestock Environment, CSIRO Livestock Industries, Australia

6.00pm **Welcome Reception** Trade Display, Gold Coast International Hotel

MONDAY 3 OCTOBER 2005

7.30am Registration Opens

SESSION 1: The Challenges for Redesigning Animal Agriculture

CHAIR: Marion Andrew

8.30am The Role of Science in Advising the Rapidly Expanding and Evolving Global Livestock Sector **Louise Fresco** Assistant Director-General, Agriculture Department, Food and Agriculture Organisation, Italy

9.10am Livestock Sciences: A Systemic Perspective **Richard Bawden** Visiting Distinguished University Professor, Michigan State University, USA

9.50am Challenges to Livestock Product Supply Chains in Asia Posed by Changing Consumer Demand and Trade Policy **Chris Delgado** Director - ILRI - IFPRI Joint Program on Livestock Market Opportunities, International Food Policy Research Institute, USA

10.30am **Coffee Break**

SESSION 2: The Social Imperative for Change

CHAIR: Caroline Kerr

10.55am Sponsor Presentation **Meat and Livestock Australia**

11.00am Maintaining Vibrant Rural Communities **Margaret Alston** Professor and Centre Director, Centre for Rural Social Research, Charles Sturt University, Australia

11.40am Improving Animal and Human Health in Tanzania through Working with Livestock Keepers **Julie Fitzpatrick** Scientific Director and Chief Executive, Moredun Research Institute, Scotland

12.20pm Promotion for Horizons in Livestock Sciences 2006

12.30pm **Lunch**

SESSION 3: Ethical and Responsible Livestock Production Systems

CHAIR: Alan Brownlee

1.30pm Livestock Welfare: Philosophical and Ethical Challenges **Paul Thompson** W.K. Kellogg Chair in Agricultural, Food and Community Ethics, Michigan State University, USA

2.15pm The All-Natural Bioengineered Future of Humans as Omnivores: The Past as Prologue **Thomas DeGregori** Professor of Economics, University of Houston, USA

3.00pm **Coffee Break**

SESSION 4: Panel Debate

FACILITATOR: Peter Lewis

3.30pm *Our panel of experts will be answering your questions on the challenges and issues surrounding 'Redesigning Animal Agriculture'*

Margaret Alston Professor and Centre Director, Centre for Rural Social Research, Charles Sturt University, Australia

Thomas DeGregori Professor of Economics, University of Houston, USA

Chris Delgado Director - ILRI - IFPRI Joint Program on Livestock Market Opportunities, International Food Policy Research Institute, USA

Louise Fresco Assistant Director-General, Agriculture Department, Food and Agriculture Organisation, Italy

Maggie Gill Chief Executive & Director of Research, Macaulay Institute, Scotland

Paul Thompson W.K. Kellogg Chair in Agricultural, Food and Community Ethics, Michigan State University, USA

5.00pm Sessions Close

6.30pm **Aussie Beach BBQ** The Surf Club Kurrawa

TUESDAY 4 OCTOBER 2005

SESSION 5: Redesigning Animal Systems (I) - Balancing Environment & Production Goals

CHAIR: Geoff Johnston

PROUDLY SPONSORED BY THE QUEENSLAND DEPARTMENT OF PRIMARY INDUSTRIES AND FISHERIES

8.30am Use of the Bovine Genome Sequence to Develop Tomorrow's Cow **Steven Kappes** Deputy Administrator, US Department of Agriculture, USA

9.10am Animal Breeding Strategies in a Dynamic Environment **Johan van Arendonk** Professor/Chair of Animal Breeding & Genetics Group, Wageningen University, The Netherlands

9.50am Reducing Ruminant Methane Emissions - Opportunities for Selection and Management **Garry Waghorn** Senior Research Scientist, Dexcel Limited, New Zealand

10.30am **Coffee Break**

SESSION 6: Redesigning Animal Systems (II) - Can we make Animals Work Better?

CHAIR: Jon Hill

11.00am Green Eggs and Ham. Step One: Avian Influenza Virus Resistant Transgenic Chickens **Laurence Tiley** Lecturer in Molecular Virology, University of Cambridge, United Kingdom

11.40am Germ Cell Transplantation - A Novel Approach to 'Designer Animals'? **Ina Dobrinski** Assoc Professor of Large Animal Reproduction, University of Pennsylvania, USA

12.20pm	Epigenetic Reprogramming and Transgenesis to Redesign Livestock David Wells <i>Scientist, AgResearch, New Zealand</i>
1.00pm	Lunch
2.00pm	Free Afternoon
6.00pm	Pre-Dinner Drinks & Official Poster Viewing Session <i>Poster Display, Gold Coast International Hotel</i>
7.00pm	Conference Dinner <i>Grand Ballroom, Gold Coast International Hotel</i> Dr Nthoana Tau-Mzamane, President & CEO, South African Agriculture Research Council, South Africa

WEDNESDAY 5 OCTOBER 2005

SESSION 7: Managing and Understanding Complex Systems		CHAIR: Sandra Eady
8.30am	Improvement of Animal Health and Welfare or Public Health by Veterinary Vaccines Paul-Pierre Pastoret <i>Biotechnology and Biological Sciences Research Council (BBSRC), UK</i>	
9.10am	Is Win-Win Possible for the Grazing Lands of the Great Barrier Reef Catchments? Iain Gordon <i>Group Leader, Rangelands & Savannas Program, Sustainable Ecosystems, CSIRO, Australia</i>	
9.50am	Mathematical & Statistical Techniques for Understanding Complex Systems Glenn Marion <i>Senior Bio-mathematician, Biomathematics and Statistics Scotland, Scotland</i>	
10.30am	Coffee Break	
SESSION 8: Developing Sustainable Farming Systems		CHAIR: Dave Henry
11.00am	Meeting Ecological Restoration Targets in European Waters: A Challenge for Animal Agriculture Penny Johnes <i>Professor of Freshwater Science, University of Reading, United Kingdom</i>	
11.45am	Livestock - Fulfilling Social, Environmental and Economic Roles - Is it Possible? Maggie Gill <i>Chief Executive & Director of Research, Macaulay Institute, Scotland</i>	
12.30pm	<i>Conference Summary Remarks</i> Andrew West <i>Chief Executive, AgResearch, New Zealand</i>	
12.50pm	Conference Close Dave Swain <i>Chair, Conference Organising Committee & Research Scientist - Livestock Environment, CSIRO Livestock Industries, Australia</i>	
1.00pm	Lunch	
-2.00pm		

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