
Ian Patrick

Senior Program Leader

I have over 20 years experience as a Project Designer, Environmental and Resource Economist and Team Leader in Australia and developing countries (Indonesia, Cambodia, East Timor, Laos, Thailand, Ethiopia, Ghana, Tanzania, Kenya and the Philippines). I have significant experience in project design to AusAID and the World Bank standards and have successfully led AusAID Feasibility and Design teams. I have been Team Leader on many long-term (4 year) ACIAR projects and managed research programs, project staff and budget. I have been responsible for community/agricultural survey design, management (including enumerator and data management training) and analysis in developing countries and development of policy to improve market and agribusiness institutions and linkages. I have also played a role in the development of the education sectors in Africa and East Timor.

I have made a major contribution in the area of livestock health economics and evaluated the efficiency of disease control and smallholder development programmes. I have assisted in the development of institutions from the local to the national level and encouraged community ownership and control of development outcomes. I have practical experience in developing appropriate project monitoring and evaluation techniques. In Australia I have worked as regional economist with the NSW Department of Primary Industry (State Department) and consulted with many industry bodies in the agricultural and rural sectors. I am Director of a consulting company – Agricultural and Resource Economic Consulting Services (ARECS).

I completed a PhD in Development Economics in 2000 and am presently employed at the UNE as a Senior Researcher/Project Director at the Institute for Rural Futures (IRF) where I am working at developing UNE's profile in the area of rural market development in developing countries. I am presently Interim Director of the IRF and leading and working on research projects with a total value of over \$3 million.

Academic Qualifications

Doctor of Philosophy (2000), UNE

Masters of Economics (1995), UNE

Bachelor of Agricultural Economics (1982), UNE

Professional Membership

Member, Australian Agricultural and Resource Economics Society

Member, International Association of Agricultural Economists

Honorary Fellow, UNE Asia Centre

Community

President, North Armidale Junior Cricket Club 1999-2004

President, Armidale District Junior Cricket Association 2003-2008

President, Northern Tablelands Junior Cricket Association 2003-2005

PLC (Armidale) Foundation Board, 2003-2004, 2006

TAS School Council, 2005-2012

Specialist Fields

Project design, implementation, monitoring and evaluation, team leadership, farming systems, agriculture sector policy development, livestock economics, agricultural and resource economics, micro-enterprise development, agribusiness, statistics/surveys, institutional development, environmental services/market based instruments.

Language

English (first language)

Indonesian (working)

Employment History

- 2011- **Interim Director**, Institute for Rural Futures, University of New England.
This is a 50% time commitment.
Responsible for all personnel, budget, and other institutional management.
Responsible for managing IRF's response to the IRF Review and subsequent Workplace Change.
- 2003- **Senior Program Leader**, Institute for Rural Futures, University of New England.
Coordinate research projects in the area of agroindustrial ecology and livestock development.
Develop and implement ACIAR international research projects. Lead and manage projects worth over \$3million.
Manage partners/staff both in Australia and in Indonesia and Cambodia to ensure required outcomes are met.
Specialising in projects which evaluate smallholders' ability to access/participate in developing markets. Specifically in the poultry industry in Indonesia and the cattle industry in Cambodia.
Work closely with Indonesia poultry industry at the National level to develop and implement programs and policies that enhance the level of biosecurity on Indonesian poultry farms.
Tested the viability of producing and selling the 'Healthy Farm' product in supermarkets in Indonesia.

Managing research programs in Indonesia and Cambodia.

HDR supervision, Masters and PhD level.

Managed and led UNE's bid for the AusAID funded 'Agricultural Human Resource Development for Iraq: Rehabilitation Assistance Facility: Iraq', 2004.

2001-2003 **Senior Researcher/Project Manager (2.5 years)**, UNE, Armidale /ACIAR, Indonesia.

Joint responsibility with the Graduate School of Agricultural and Resource Economics for the writing of research project proposal.

Employed $\frac{3}{4}$ time to manage and take responsibility for ACIAR project 100/2000: - Contract Farming, Smallholders and Rural Development in East Java, Bali and Lombok.

Responsibilities include; survey design (and translation assistance) and analysis (using STATA). All training of counterpart staff in survey design, testing, data entry, cleaning and analysis. All liaison with Indonesian counterparts (3 Indonesian universities and BPTP officers in East Java, Bali and Lombok) and financial management and accountability. Survey included 800 smallholders in three regions plus institutions.

Provided policy advice to Indonesian Government concerning the structure of agribusiness relationships between multinationals and smallholder groups

Determined factors affecting smallholder's ability or desire to participate in farming contracts.

Determined benefits and costs of contracts to all stakeholders – smallholders, communities, agri-business and government. Highlighted types and levels of institutions (social, market, government) required and the commodities most suited to the development of contract farming in Indonesia.

1997-2000 **PhD Student (3.5 years) UNE Armidale, NSW**

Completed PhD dissertation titled "Rent-seeking and the provision of foreign aid". Obtained an Australian Postgraduate Award (APA), to undertake this research

1996-present **Director, ARECS P/L, Armidale, NSW**

Formed a company: Agricultural and Resource Economic Consulting Services (ARECS) P/L to undertake economic consultancies both in Australia and overseas

1985-1990, 1993-1996

Regional Economist, NSW Agriculture, Gunnedah, NSW

Allocate and manage economic resources within research and advisory programs for New England region of NSW comprising 15 advisory and research centres with approximately 350 officers.

Implemented research programs changing farming techniques within diverse region ranging from horticultural and fine wool production to broadacre and cotton production

Conducted training workshops on budgeting, finance and marketing for producers and industry.

1990-1993 **Australian Economic Advisor, EIVSP/AusAID, Indonesia**

Managed all economic inputs into annual health programs in Eastern Indonesia including: designing, managing and analysing Cattle Health and Productivity Survey of (CHAPS), 650 cattle and 220 farmers every 3 months for 3 years, developing system for analysing and evaluating livestock distribution systems, carrying out cost/benefit analysis of impact of government decisions, evaluating most effective methods of disease control and eradication, assisting Indonesian Government in formulating animal health budget,

Evaluated the economic performance of Animal Health Posts (AHP), assessed the potential of AHP self-sufficiency on Lombok Island.

Analysed effectiveness and success of the GOI project for cattle distribution programs within project area including: evaluating the benefits to village smallholders, identifying productivity indicators, providing training and improving management of distribution system, amending policy ensuring better targeting of smallholders

Formulated policies facilitating efficient allocation of budget at national and provincial level.

Undertook economic analysis of livestock health issues providing education and training including: basic economic analysis, computer skills, management skills. Carried out economic analysis of the Haemorrhagic Septicaemia and Brucellosis control programs forming the basis of disease control policies and framework within which to evaluate other disease control programs.

Requested by GOI and AusAID to: evaluate GOI brucellosis control program in NTT and present papers on cost/benefit analysis of disease control at international conference, present final recommendations for factors affecting cattle productivity and distribution system policy at CHAPS conference and prepare summary document for GOI.

Professional Short-term Experience

- 2007 **IAMO, Germany, Research Fellow**
- Invited by Leibniz Institute of Agricultural Development in Central and Eastern Europe (IAMO) to be Research Fellow (May). Presented joint papers at AES Conference, England April 2-4 and IAMO Forum, June 5-7, Germany – social capital in developing and transition economies.
- 2004 **UNE, Designer/Bid Manager**
- Contracted by UNE to manage bid for Agricultural Human Resource Development for Iraq (within RAFI) tender. Nominated as UNE Course Manager for project implementation phase.
- ACIAR, East Timor, Subject Design/Lecturer Training**
- Assisted National University of Timor Lorosae (UNTL) with the development of 2 subjects for the Faculty of Agriculture. Subjects were ‘Agricultural Development’ and ‘Project Evaluation’ both taught at 3rd year level. These were prepared in Bahasa Indonesia in partnership with UNTL academic staff. Worked with UNTL staff to develop practical teaching methods.
- 2002 **Lecturer/Unit Coordinator.**
- Responsible for ‘Economics of Developing Countries’ – a 3rd or 4th year subject. 45 students both internal and external.
- UNE, Designer/Bid Manager.**
- Contracted by UNE to develop capability statement for African Virtual University Initiative (AVUI). UNE was short-listed, I undertook field trip to Ethiopia, Ghana, Tanzania and Kenya as Project Designer/Bid Manager on UNE design team. Nominated as UNE Team Leader for project implementation phase.
- 2001 **ACIAR, Australia/Philippines, Senior Researcher**
- Successfully won contract 99/080 to undertake project titled “Defining practical guidelines for evaluating long term, smallholder decision making in developing countries”. Developed a practical methodology for defining appropriate discount rates for labour in developing countries.
- 2000 **Lecturer, Faculty of Arts**
- Full responsibility for lectures, seminars and marking for subject titled “Indonesian Society” (ASSO 265/365 a course taken at the second or third year level. Responsible for 9 internal and 25 external students.
- AusAID, Australia/Southern Africa, PDD Appraiser/Project Designer**
- At the request of AusAID provided recommendations on the most effective means of reducing the cost of the proposed Southern Africa Newcastle Disease Control Project (SANDP).
- Advised on component structure, outputs and activities and the cost implications of all options. Reworked the PDD
- UNE, Subject Designer**
- Provided assistance to School of Economic Studies in developing a new subject “Policy Issues in Developing Countries” (ARE422), a subject designed for 4th year undergraduate and graduate students.

I provided a survey of basic readings, case study issues and associated readings plus inputs into the assignment and marking structure.

1999 **AusAID, Indonesia, Team Leader/Agricultural Economist**

With AusVet Animal Health Services P/L formulated tender proposal to AusAID for the “Timor Animal Health Project Feasibility/Design Study”. Won the tender. Responsible for: determination of development constraints, economic, institutional and environmental assessments, co-ordination and preparation of the design document.

Team management while in Indonesia (working closely with regional authorities e.g. BAPPEDA) and reporting draft PDD to Indonesian Department of Agriculture and BAPPENAS and AusAID (Jakarta, Canberra). Preparation and presentation of final PDD to AusAID, Canberra.

1998 **Voluntary, West Timor – Indonesia, Community Development**

Worked with local community in SoE, West Timor to develop micro-enterprise alternatives for individuals.

Contracted local NGO to manage and audit micro-financing of community groups. Linked local Australian community group to SoE community to fund development options.

AusAID, Indonesia, Agricultural Economics Consultant

Finalise economic input into livestock disease research projects for 33 Department of Livestock staff in 3 provinces: NTB, NTT and East Timor. Undertook preliminary evaluation of the effect of chicken distribution schemes on smallholder socio-economic welfare. This evaluation was a continuation of the preliminary work undertaken in April 1997.

Assessed viability and willingness to pay options for smallholder participation in Newcastle Disease control programmes. Evaluated methods of data collection, project monitoring and project sustainability.

AusAID, Indonesia, Team Leader/Agricultural Economist

With AusVet Animal Health Services P/L formulated tender proposal to AusAID for the “Indonesia Brucellosis Eradication Project FDS”. Won the tender. Similar to Team Leader position above.

1997 **UNE, Lecturer/Unit Coordinator**

Casual lecturer with total responsibility for Farm and Resource Management B, a subject that can be taken at either the third or fourth year level.

Responsible for all lecture and computer laboratory exercises preparation and presentation. All student consultation, assignment and exam setting and marking. 35 students enrolled in the course

AusAID, Indonesia, Agricultural Economics Consultant

Provide economics training and workshop notes for 65 Department staff in 3 provinces; NTB, NTT and TT.

Design baseline data forms for evaluating smallholder welfare to be used in chicken and goat distribution schemes. Design routine data collection forms for monitoring and evaluation of distribution projects.

Produced gross margin handbooks for the important livestock enterprises. Advised on the benefits and costs of different chicken management

systems within Eastern Indonesia. Defined implementation processes to maximise the probability of project success.

1996

World Bank, Indonesia, Micro-enterprise and Community Development Specialist

Designed micro-enterprise and community development sections of the Coral Reef Management and Rehabilitation Project (COREMAP). Developed micro-enterprise options for potential participants. Defined current economic status of participants and undertook community consultation to consider potential, appropriate interventions. Liaised with resource economist and institutional experts on implementing locally based management of coral reefs in Eastern Indonesia.

Devised logframes and implementation schedules and costings for all interventions at the 32 proposed sites.

AusAID, Indonesia, Agricultural Economics Consultant

Described the systems of cattle movements and marketing within Timor for use in disease (brucellosis) control strategies.

Assessed economic training requirements, assessed markets for chickens, goats and cattle and provide advice on the selection of sites for introduction of livestock distribution programs. Defined economic constraints that may limit the effectiveness of distribution projects.

1992, 1994 (4 months)

AusAID, Indonesia, Agricultural Economics Consultant

Research Funding

Period	Funding source	Project	Role	UNE Grant value (\$)
2012-15	Australian Centre for International Agricultural Research (ACIAR)	Domestic and international market development for high-value cattle and beef in South East Cambodia AH/2010/169	Team Leader, Market Chain, Livestock Economist (40% of salary covered by project) Requested by ACIAR to develop and budget project, identify and contract partners. Also work with UNE Business School and ERS.	1,597,000
2012-15	Australian Centre for International Agricultural Research (ACIAR)	Market-focused integrated crop and livestock enterprises for NW Cambodia ASEM/2010/049	Market Chain and farm management (20% of salary covered by project) Assist with development of project proposal, responsible for development of market chains for alternate commodities in NW Cambodia. Managed by ERS	170,000
2008-12	Australian Centre for International Agricultural Research (ACIAR)	Cost effective biosecurity for NICPS operations in Indonesia AH/2006/169	Team Leader, Market Chain, Livestock Economist (60% of salary covered by project) Requested by ACIAR to develop and budget project, identify and contract partners. Responsible for employing and managing 5 FT project staff members, in 3 provinces with 4 partner institutions	1,400,000
2008-11	Australian Centre for International Agricultural Research (ACIAR)	Livestock movement and managing disease in Eastern Indonesia and Eastern Australia AH/2006/156	Livestock Economics (10% of salary covered by project) Assist with development of project proposal, responsible for animal health economics research. Managed by University of Sydney	97,000
2008-11	Australian Centre for International Agricultural Research (ACIAR)	Improving veterinary service delivery in a decentralised Indonesia AH/2006/166	Livestock Economics (20% of salary covered by project) Assist with development of project proposal, responsible for animal health economics research. Managed by NSW DPI	42,500
2009	Australian Centre for International Agricultural Research (ACIAR)	Smallholder Commercial Pig Production in NTT – Opportunities for Better Market Integration	Agricultural Economist. In association with Rural Solutions (SA)	150,000
2006-07	Australian Centre for International Agricultural	Linking Smallholders and Agribusiness: Social Capital and	Team leader, Senior Researcher. Developed proposal, project leadership,	15,000 150,000

Period	Funding source	Project	Role	UNE Grant value (\$)
	Research (ACIAR)	Rural Development in Eastern Indonesia	partner with Udayana University (Bali) and University of Mataram (Lombok)	
2007	Australian Centre for International Agricultural Research (ACIAR)	Scoping Opportunities for Improving Biosecurity in Commercial Poultry in Indonesia	Team leader. Develop ACIAR 4-year project	80,240
2007	Environmental Trust (DEC)	Landowners' willingness to participate in environmental offsets	Team Leader, Agricultural Economist	79,360
2006	Moree Shire Plains Council	Water Economics and Infrastructure Cost Study for Moree Plains Shire Spa Water Industry	Project Leader, Agricultural Economist	27,800
2005	UNE VC's Postdoctoral Fellowship	Engineering Industrial Ecosystems for Sustainable Rural Industry Clusters	Post Doc – Research Fellow	150,000
2005	Moree Shire Plains Council and NSW Department of Conservation and the Environment (EPA)	Environmental Offsets and Saline Water Discharges	Project Leader, Agricultural Economist	18,700
2005	UNE	Cooperative Research Project: Livestock and Marketing Systems	Develop the ILRIC capability statement. Importance of Social Capital in Livestock Development Program Implementation	38,000
2004	Moree Spa Industry Association, CMA (Border Rivers-Gwydir)	Improving Saline Wastewater Use in the Moree Artesian Spa Industry	Project Leader, Agricultural Economist	33,300
2004	AusAID	Rehabilitation of Agriculture Faculty of the National University Timor	Develop curriculum in the Agriculture Faculty (UNTL). Managed by Curtin University of Technology	7,500

Publications

Books

- Patrick, I., Marshall, G.R., Ambarawati, I.G.A.A., Abdurrahman, M. 2010, 'Social capital and cattle marketing chains in Bali and Lombok, Indonesia'. *ACIAR Technical Reports No. 74*, ACIAR, Canberra
- Patrick, I., Kennedy, D. 2006, *Future Directions for ACIAR's Animal Health Research, Impact Assessment Series 38*, ACIAR, Canberra.
- Patrick, I. 2004, 'Contract Farming in Indonesia: Smallholders and Agribusiness Working Together', *ACIAR Technical Reports No. 54*, ACIAR, Canberra, Australia.

Refereed Published Papers

- Sefriadi, H., Villano, R., Fleming, E., Patrick, I. 2012, 'Production Constraints and their Causes in the Cacao Industry in West Sumatra: From the Farmers' Perspective', *International Journal of Agricultural Management* (forthcoming)
- Patrick, I., Barclay, E., Reeve I. 2009, 'If the price is right: farmer attitudes to producing environmental services', *Australasian Journal of Environmental Management*, 16, 36-46
- Simmons, P.R., Winters, P.C. and Patrick, I.W. 2005, 'An Analysis of Contract Farming in East Java, Bali, and Lombok, Indonesia', *Agricultural Economics*, 33(3) 513-525.
- Winters, P., Simmons, P. and Patrick, I. 2005, Evaluation of a Hybrid Seed Contract between Smallholders and an MNC in East Java, Indonesia, *Journal of Development Studies*, 41(1), January, 62-89.
- Patrick, I., Coelli, T. and Kameo, D. 1999, 'The Technical Efficiency of Smallholder Cattle Producers in Eastern Indonesia', *Kritis*, XII (2), November, 1-40.

Refereed Book Chapters

- Patrick, I., Simmons, P. and Winters, P. 2007, 'Who benefits and how much? An evaluation of contract farming systems in Indonesia', in B.V.S. Prasad and S. Mohanty (eds), *Contract Farming: International Experiences*, Business Research Centre, ICFAI, Chennai, India, pp. 185-215.

Thesis

- Patrick, I. 2000, 'Rent-seeking and the Provision of Foreign Aid', Unpublished PhD Dissertation, University of New England, Armidale.

Project Reports

- ACIAR Project AH/2006/169 Travel reports 1-2 (ongoing)
- ACIAR Project AH/2006/169; Annual reports; 2009, 2010, 2011
- ACIAR Project AH/2006/169 Travel reports 1-16
- Patrick, I., Fitzgerald, P., 2012, 'Cost Benefit Analysis of a proposed Classical Swine Fever control program in Nusa Tenggara Timur (NTT)' *ACIAR Project Report for AH/2006/156*

- Patrick, I., Fitzgerald, P., 2012, 'Cost Benefit Analysis of the Policy Pilot Trial for Effective HPAI Control in Sindhu Live Bird Market in Lombok: Toward a Clean and Safe Live Bird Market' *ACIAR Project Report for AH/2006/156*
- Patrick, I., Ly, J., Geong, M., 2010, 'Market Chains for Pigs; Nusa Tenggara Timor', *ACIAR Project Report for AH/2006/156*
- Johns, C., Cargill, C., Patrick I., ' Smallholder commercial pig production in East Nusa Tenggara – opportunities for better market integration, *Final Report SMAR/2007/195*, SADI-ACIAR, Canberra
- Patrick, I., Jubb, T., 2008, 'The economic benefits of implementing biosecurity measures in a NSW North Coast cattle herd. Report for Animal Health Australia, April.
- Patrick, I., Jubb, T., 2008, 'A scoping study investigating opportunities for improving biosecurity on commercial poultry farms in Indonesia', *Final Report for AH/2007/060 ISBN: 978 1 921434 54 9*, ACIAR, Canberra
- Patrick, I., Abdurrahman, M. and Ambarawati, A. 2008, 'Market Chains for Poultry: Bali and Lombok', *ACIAR Project Report AH/2006/156 – Livestock Movement and Managing Disease in Eastern Indonesia and Eastern Australia*, Institute for Rural Futures, University of New England, Armidale
- Perkins, N., Patrick, I., Patel, M., Fenwick, S., 2007, 'Assessment of zoonotic disease in Indonesia'. *Final Report for ACIAR, Project No. AH/2006/163*
- Patrick, I., Barclay, E. and Reeve, I. 2007, 'Determining Landowners' Willingness to Participate in Offset Markets', Report to the New South Wales Department of Environment and Conservation Environmental Trust, Institute for Rural Futures, Armidale.
- Patrick, I., Coleman, M. and Stuart, D. 2007, 'Water Economics and Infrastructure Cost Study for Moree Plains Shire Spa Water Industry', Report to the Moree Plains Shire Spa Water Industry, Institute for Rural Futures, University of New England, Armidale, pp. 41 + appendices.
- Patrick, I., Glencross-Grant, R., Stuart, D. and Wise, R. 2005, 'Options for the Re-use of Artesian Spa Water in Moree Plains Shire', Final Report to Moree Plains Shire Council, Moree Spa Association and Catchment Management Authority (Gwydir), January.
- Patrick I. and Wise, R. 2005, 'Technical, Economic and Institutional Assessment of Environmental Offsets to Reduce Saline Water Discharge'. Report to the Department of Environment and Conservation (EPA), May.
- Patrick I. 2005, Foreign Aid, Investment and Social Capital: Unlocking the Potential of the Agriculture Sector in Developing Countries. Report to the International Livestock Resources & Information Centre Ltd, May.
- Patrick, I., McNeill, J., Stuart, D., Wilkes, J., Glencross Grant, R., van der Meulen, A., Clibborn, B., Curtis, M. and Cathcart, M. 2004, 'Designing a 'Best Practice' Model of Integrated Biosystems of Waste Re-Use in a Typical Rural Town', Final Report (RD1/S2/03/20), July, Institute for Rural Futures, University of New England, Armidale and Department of Environment and Conservation.
- Patrick, I. 2004, 'Designing a 'Best Practice' Model of Integrated Biosystems of Waste Re-Use in a Typical Rural Town', Progress Report 2 (RD1/S2/03/20), April, Institute for Rural Futures, University of New England, Armidale and Department of Environment and Conservation.
- Patrick, I. 2003, 'Designing a 'Best Practice' Model of Integrated Biosystems of Waste Re-Use in a Typical Rural Town', Progress Report 1 (RD1/S2/03/20), November, Institute for Rural Futures, University of New England, Armidale and Department of Environment and Conservation.
- Patrick, I., Simmons, P. and Winters, P. 2003, 'Examination of Three Farm Contracts in Indonesia', GSARE Occasional Paper 2003-2, University of New England, Armidale.

- Winters, P., Hardaker, B. and Patrick, I. 2002, 'Defining Practical Guidelines for Evaluating Long-term, Smallholder Decision-making in Developing Countries', ACIAR Impact Assessment Program Working Paper 44, ACIAR, Canberra, Australia.
- Patrick, I. 2000, 'Control of Newcastle Disease in Village Poultry in Participating SADC Countries: A Review of a Feasibility and Design Study', AusAID, December.
- Patrick, I. 1999, 'Timor Animal Health Project, Indonesia', AusAID Project Design Document, May.

Significant unpublished conference papers (oral presentations)

- Sefriadi, H., Villano, R., Fleming, E., Patrick, I., 2012, 'Production constraints in the cacao industry in West Sumatra and strategy formulation', *Paper presented at 56th Annual Australian Agricultural and Resource Economics Society National Conference*, Perth, Feb 4th to 7th
- Susilowati, S., Patrick, I., Iqbal, M., 2012, 'Measuring and defining the factors affecting adoption of biosecurity on smallholder poultry farms in Indonesia', *Paper presented at 56th Annual Australian Agricultural and Resource Economics Society National Conference*, Perth, Feb 4th to 7th
- Susilowati, S., Iqbal M., Patrick, I., Jubb, T. 2011 'Factors influencing the adoption of biosecurity activities on broiler and layer farms in Indonesia', *Paper presented at 55th Annual Australian Agricultural and Resource Economics Society National Conference*, Melbourne, Feb 8th to 11th
- Ambarawati, I.G.A.A., Prasetyo, B.K., Patrick, I., 2011, 'Farmer investment into biosecurity on broiler and layer farms in Bali', *Paper presented at 55th Annual Australian Agricultural and Resource Economics Society National Conference*, Melbourne, Feb 8th to 11th
- Iqbal M., Susilowati, S., Patrick, I., 2010, Consumer willingness to pay for poultry products from biosecure farms in West Java, in *Conference Proceedings: Towards the adoption of cost-effective biosecurity on NICPS farms in Indonesia*. Institut Pertanian Bogor (IPB) International Convention Centre (IICC), Santika Hotel, Bogor, West Java, Indonesia, 8 – 9 June, pp87-98
- Susilowati, S., Patrick, I., Iqbal, M., 2010, 'The relationship between biosecurity and farmer and farm characteristics', in *Conference Proceedings: Towards the adoption of cost-effective biosecurity on NICPS farms in Indonesia*. Institut Pertanian Bogor (IPB) International Convention Centre (IICC), Santika Hotel, Bogor, West Java, Indonesia, 8 – 9 June, pp56-69
- Pande, P.S., Karim, H., Patrick, I., 2010, 'Production, status and level of biosecurity implemented in West Java, Bali and South Sulawesi layer and broiler farms', in *Conference Proceedings: Towards the adoption of cost-effective biosecurity on NICPS farms in Indonesia*. Institut Pertanian Bogor (IPB) International Convention Centre (IICC), Bogor, Indonesia, 8 – 9 June, pp36-45
- Patrick, I., Jubb, T. 2010, 'Comparing biosecurity in smallholder broiler and layer farms in Bali and West Java' in *Conference Proceedings: Towards the adoption of cost-effective biosecurity on NICPS farms in Indonesia*. Institut Pertanian Bogor (IPB) International Convention Centre (IICC), Santika Hotel, Bogor, West Java, Indonesia, 8 – 9 June, pp5-17
- Patrick, I. 2010, 'Social Capital, Cattle Marketing Chains & Smallholder Marketing Decisions in Bali and Lombok, Indonesia', Joint AARES/Agricultural and Resource Economics UNE Seminar Series 2010, 26 March
- Patrick, I., Bavorova, M., and Marshall, G., 2007, Social capital and agribusiness linkages; lessons learned in Indonesia and the Czech Republic, Paper Presented at 81st Annual Conference of the Agricultural Economics Society University of Reading, Reading, UK, April 2nd – 4th
- Marshall, G., Patrick, I., Muktasam, A. and Ambarawati, I.G.A.A. 2006, 'Alleviating Poverty by Linking Smallholders with Agribusiness: Roles of Social Capital and Common Property', paper presented at the *11th Biennial Conference of the*

International Association for the Study of Common Property, Ubud, Bali, Indonesia, 19-23 June.

- Patrick, I., Marshall, G., Muktasam, A. and Ambarawati, I.G.A.A. 2006, 'Determining the Role of Social Capital in Linking Smallholders with Agribusiness', Paper presented to the *50th Annual Conference of the Australian Agricultural & Resource Economic Society*, Manly Pacific Hotel, Sydney, Australia, 8-10 February.
- Simmons, P., Winters, P. and Patrick, I. 2003, 'Evaluation of a Hybrid Seed Contract Between Smallholders and an MNC in East Java, Indonesia', paper presented at 47th Annual AARES Conference, Perth, February.
- Patrick, I. 2001, 'Contract Farming, Smallholders and Rural Development in East Java, Bali and Lombok', Papers presented at Opening Workshop for ACIAR Project (100/2000), University of Brawijaya, Malang, Indonesia, 23-24 August.

Institutional Requests

- ACIAR-OIE Workshop on Proposed Livestock Biosecurity Project in the Mekong Region, Siam City Hotel, Bangkok November 1-2, 2012.
- Animal Biosecurity in the Mekong: future directions for research and development. Siem Reap, Cambodia August 10-13, 2010.

HDR Supervision (present)

- Hasnah Sefriadi – PhD (UNE Business School), 2009-2012
- Putri Komaladara – MEc (UNE Business School), 2011-2012
- Bright Asante – PhD (UNE Business School), 2012 (ongoing)