
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, 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 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 areas of agro-industry sustainability and the development of market based instruments and policies to assist the development of environmentally sustainable farming systems

Academic Qualifications

PhD (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-present

President, Northern Tablelands Junior Cricket Association, 2003-2005

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

TAS School Council, 2005-present

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

2007- **Senior Project Leader**, Institute for Rural Futures, University of New England.

2003-2007 **Post-doctoral Fellow/Project Leader**, Institute for Rural Futures, University of New England.

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 Consultancies

2007 **ACIAR, Livestock Economist**

Contracted by AusVet P/L to assist with ACIAR funded consultancy - 'Assessment of Zoonotic Diseases in Indonesia'. Analysis of economic and social costs of zoonotic disease, priority setting for research (\$23,000)

2006 **Moree Shire Council, Project Leader/Agricultural Economist**

Evaluate commercial options for the re-use/disposal of saline wastewater from the Spa industry. Discuss water pricing and the factors affecting the value of the saline wastewater (\$28,000)

ACIAR, Project Leader/Livestock Economist

Define the beef market chain in Eastern Indonesia and NSW. Define the potential role of social capital in assisting communities link with the beef marketing chain. Define the role of community leaders in the beef market (\$150,000)

Environmental Trust (DEC), Project Manager/Agricultural Economist

Research project "Determining landowners' willingness to participate in offset markets". The project defined NSW grazier's willingness to be paid to manage land for biodiversity. Used focus groups and grazier interviews to assess understanding of offsets and the potential to develop a biodiversity banking system in NSW (\$78,000).

2005 **ACIAR, Livestock Economist**

Contracted by ACIAR to undertake review of Animal Health Program; evaluate impacts of past projects and develop framework for implementation of future projects and project clusters. Particular attention on endoparasite and Newcastle disease clusters (\$46,000)

ACIAR Project Design

Undertake scoping study for new project to examine role of social capital in smallholder/agribusiness linkages (\$15,000). Present paper at AARES conference; Sydney, Feb 2006, IASCP conference; Bali, June 2006

DEC (Environmental Protection Agency), Agricultural Economist

Estimate transaction costs involved in the development and implementation of environmental offsets for industries/firms producing saline wastewater streams (\$18,000)

2004

DEC (Resource NSW), Project Manager

Analysed opportunities for developing inter-industry relationships between firms in an agro-industrial area in regional NSW. Considered opportunities for mutual benefit in waste product re-use; water, CO² and paunch (\$160,000).

Moree Plains Shire Council/ CMA (Gwydir), Agricultural Economist

Reviewed research undertaken to minimise artesian spa water effluent discharge into Mehi River. Developed commercial and research action plan to enable to spa industry to meet EPA and stakeholder long-term objectives (\$45,000)

ILRIC, Project Manager

Produced 'Capability Statement' for ILRIC – International Livestock Resources and Information Centre (\$15,000).

Publications

Books

Patrick, I. and Kennedy, D. 2006, *Future Directions for ACIAR's Animal Health Research, Impact Assessment Series 38*, ACIAR, Canberra.

Refereed Published Papers

Patrick, I., Coelli, T. and Kameo, D. 1999, 'The Technical Efficiency of Smallholder Cattle Producers in Eastern Indonesia', *Kritis*, XII (2), November, 1-40.

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.

Refereed Book Chapters

Patrick, I., Simmons, P. and Winters, P. (forthcoming), 'Who Benefits and How Much? An Evaluation of Contract Farming Systems in Indonesia', in S. Kumaravel (ed.), *Contract Farming – International Experiences*, Business Research Centre, ICFAI, Chennai, India.

Thesis

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

Consultancy Reports

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. 2004, 'Contract Farming in Indonesia: Smallholders and Agribusiness Working Together', ACIAR Technical Reports No. 54, ACIAR, Canberra, Australia.

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. 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.

- Patrick, I. 1998, 'Economics Consultancy Report', Eastern Islands Veterinary Services Project Phase II, AusAID, June/July.
- 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., 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., 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., 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.

Significant unpublished conference papers (oral presentations)

- Marshall, G.R., Patrick, I.W., 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. 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 Brasijaya, Malang, Indonesia, 23-24 August.
- 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 AAREA Conference*, Perth, February.