

RURAL ECONOMY

1997 ANNUAL REPORT



Department of Rural Economy
Faculty of Agriculture, Forestry,
and Home Economics
University of Alberta
Edmonton, Canada

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March 1998

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Foreword to 1997 Annual Report of Rural Economy

Rural Economy in 1997

Budget challenges continued to face the Department of Rural Economy, the University of Alberta and other public and private sector institutions in 1997. Nonetheless, the year was marked by significant achievements and some expansion of activities. During 1997, the department marked the first full year of operation of the endowment-funded Cooperative Chair in Agricultural Marketing and Business. In addition, the final year of operation was carried on for the Alberta Agricultural Research Institute-funded Chair in Value Added Marketing, and two international projects, in which Rural Economy has had a role, were completed in 1997. The international projects are the Faculty-based CIDA project in Thailand (reported elsewhere in this document) and the Alberta/Zimbabwe Value of Trees Project, directed by Michele Veeman of Rural Economy. The 1996-approved project for *Agroforestry Southern Africa*, directed by Martin Luckert, commenced operations, with several staff and student exchanges with the University of Zimbabwe. The Network of Centres of Excellence in Sustainable Forest Management continued to have a significant impact on research opportunities for Rural Economy graduate students pursuing interests in environmental, forest and natural resource topics relating to Canada's boreal forests. The national socio-economic research theme of this network is led by two Rural Economy faculty members, Vic Adamowicz and Terry Veeman. Progress continued with enrolment targets being met in the three new degree programs being funded by the Province of Alberta. These include a new BSc program in Forest Business Management and two associated graduate-level programs in agriculture and forest business management. The latter offer joint MBA-MAg and MBA-MF degrees to successful candidates. The development of these programs, offered jointly by the Faculty of Agriculture, Forestry and Home Economics and the Faculty of Business, was spearheaded by Rural Economy.

Graduate students in Rural Economy continued to have access to research opportunities abroad, through several international programs mentioned in this report, as well as a variety of domestic research projects. It was again possible to award the BJ McBain Graduate Scholarship. Funded by the estate of the late Ben McBain, these awards are for students who undertake research activities which show promise of significant benefits to producers of primary products in Western Canada. The 1997 recipient, Theresa Le, is studying overseas markets for Alberta meat products. Other significant achievements were made in teaching and research in Rural Economy in 1997. Enrolment in department courses has continuously increased since 1993/94; registrations in Rural Economy courses increased a further five percent in 1997/98 over 1996/97. The achievement by Rural Economy faculty members of research funding in excess of \$700 thousand in 1996/97 is also of particular significance. These achievements in teaching and

research occurred despite considerable changes in faculty and support staffing levels during the recent preceding years.

Changes in the complement of academic and support staff continued during 1997. While Dr. Len Bauer retired early, effective June 30, 1996, he continued an active role in the capstone course of the Agriculture/Food Business Management program, and was Program Chair for the 11th International Farm Management Congress, held in Calgary in July 1997. Dr. Eloise Murray, who retired at the end of 1996 from her joint appointment in Rural Economy and Women's Studies, maintained an association with Rural Economy through continuing participation in department-based research and international programs.

Dr. Jim Unterschultz, whose appointment during 1997 was in the AARI Marketing Chair, was appointed to regular staff at the end of the year. Dr. Naomi Krogman joined Rural Economy in March to fill a position in resource sociology, and Dr. Grant Hauer joined the staff in July 1997, to fill a position in resource and environmental economics. Dr. Russ Tronstad, an agribusiness specialist from the University of Arizona, arrived in August to spend 1997-8 engaged in research in the department. Dr. D. Gill retired June 30, 1997, but continued on a part-time basis for several months to assist in completion of the (Faculty) project in Northern Thailand. Drs. Michele and Terry Veeman took leaves beginning in mid-1997. During 1997, Michele Veeman was re-appointed Chair of Rural Economy for a further five-year term, but is on leave from administrative and teaching duties. In her absence, Mel Lerohl has been carrying on Chair duties for Rural Economy.

Through the generosity of donors, including former and current staff and students and continuing friends, the endowment fund to support the specialized Rural Economy reading room collection of research materials in agricultural economics, forest economics, and rural and resource sociology was expanded. An endowment fund to support students in Rural Economy graduate programs is also in place. Rural Economy has weathered the past years of budget cuts to the public sector. We are moving forward to fulfill our mission of striving for excellence in teaching and research in selected areas of social science that relate to rural people and their activities through relevant programs of education and research on agriculture, food, forests and the environment.

Mel Lerohl
Acting Chair
March 1998

Department Staff

Academic Staff

Wiktor L. Adamowicz, PhD (Minnesota); Professor; Environmental Economics, Econometrics, Forest Economics.
Harvey G. Brooks, PhD (Iowa State); Associate Professor; Co-operative Chair in Agriculture, Marketing and Business. (from September 1996).
Kevin Z. Chen, PhD (Guelph); Assistant Professor; Agricultural Marketing, Policy.
James H. Copeland, MSc (Alberta); Faculty Service Officer; Computing and Statistical Analysis.
Dhara S. Gill, PhD (Cornell); Professor Emeritus; Rural Sociology, Agricultural Extension (to June 1997).
Grant K. Hauer, PhD (Minnesota); Assistant Professor; Resources & Environmental Economics, Trade.
Scott R. Jeffrey, PhD (Minnesota); Associate Professor; Agricultural Business Management, Production Economics. Graduate Coordinator (from July 1997).
Naomi T. Krogman, PhD (Colorado State); Assistant Professor; Sociology of Natural Resources, International Development, Gender
Mel L. Lerohl, PhD (Michigan State); Professor and Acting Chair; Agricultural Policy and Trade. Graduate Coordinator (to June 1997).
Martin K. Luckert, PhD (British Columbia); Associate Professor; Forest Economics, Natural Resource Economics. Graduate Coordinator.
Frank S. Novak, PhD (Illinois); Associate Professor; Finance, Production Economics.
Ed W. Tyrchniewicz, PhD (Purdue); Professor; Policy, Transportation, International Development. (On Leave to August 1997).
Jim R. Unterschultz, PhD (Alberta); Assistant Professor; Marketing, Finance.
Michele M. Veeman, PhD (California at Berkeley); Professor and Chair (On Leave); Marketing, Policy, Trade.
Terry S. Veeman, PhD (California at Berkeley); Professor; International Development, Resource Economics. Joint appointment with Economics.

Associated Academic Staff

Janaki R.R. Alavalapati, PhD (Alberta); Post Doctoral Fellow; Forest and Resource Economics.
Leonard P. Apedaile, PhD (Iowa State); Professor Emeritus; Agricultural Policy, Rural Development.
Len Bauer, PhD (Oregon State); Professor Emeritus; Agricultural Management, Production Economics.
Tom M. Beckley, PhD (Wisconsin); Adjunct Professor; Forest Sociology.
Dhara S. Gill, PhD (Cornell); Professor Emeritus; Rural Sociology, Agricultural Extension. (from July 1997).
Murray H. Hawkins, PhD (Ohio State); Professor Emeritus; Marketing, Business Management.
G. Wayne Lamb, PhD (Texas A & M); Adjunct Professor (Faculty of Extension); Extension Education.
Benoit Laplante, PhD (Queens); Adjunct Professor (World Bank); Environmental Economics.
Harold C. Love, PhD (Iowa State); Professor Emeritus; Production Economics.
Glen A. Mumey, PhD (Washington); Adjunct Professor (Faculty of Business); Finance, Management.
Eloise C. Murray, PhD (Pennsylvania State); Professor Emeritus; Gender Issues, Extension, International Development.
Brian T. Oleson, PhD (Minnesota); Adjunct Professor (Canadian Wheat Board); Marketing, Trade.
T. Alf Petersen, PhD (Washington State); Professor Emeritus; Farm Management, Extension.
W.E. Phillips, PhD (California at Berkeley); Professor Emeritus; Forest Economics, Resource Economics.
Joseph J. Richter, Dr. Rer. Pol. (Graz, Austria); Professor Emeritus; Marketing, Trade.
Wolfgang M. Schultz, PhD (Oklahoma State); Professor Emeritus; Production and Natural Resource Economics.
Ed W. Tyrchniewicz, PhD (Purdue); Professor Emeritus; Policy, Transportation, International Development. (from September 1997).
William A. White, PhD (Simon Fraser); Adjunct Professor (Canadian Forest Service); Forest Economics.

Support Staff

Judy Boucher, Computing Assistant
Liz Bruce, Graduate Secretary
Wendy Williamson, Department Secretary
Dawn Zrobok, Library Assistant

Sessional Lecturers & Research Associates

Glen Armstrong, Research Associate
Arlene Kwasniak, Sessional Lecturer
Bruce Macnab, Research Associate
Yanning Peng, Research Associate

Kwamena Quagraine, Research Associate
Fiona Salkie, Research Associate

Awards to Graduate Students in 1997

Shiferaw Adilu - Walter H. Johns Graduate Tuition Scholarship
- Graduate Studies and Research Scholarship

Donald Bresee - John Proskie Memorial Scholarship

Sylvie Cauvier-Lepine - Circumpolar Boreal Alberta Research Grant

Cyril Chami - African Economic Research Consortium (AERC) Scholarship

Chen Chen - FS Chia PhD Scholarship

Donna Dosman - SSHRC Fellowship
- Walter H. Johns Graduate Fellowship

Yufeng Duan - Graduate Studies and Research Scholarship

Mohamed Gheblawi - Libyan Secretariat of Higher Education Scholarship

Michel Haener - Margaret (Meg) Brown Award
- John Proskie Memorial Scholarship

Atakelty Hailu - U of A Dissertation Fellowship

Larry Hegan - Graduate Studies and Research Scholarship

Innocent Karamagi - African Economic Research Consortium (AERC) Scholarship

Joseph Karugia - Kenya-Canada General Training Programme Scholarship
- M.H. Hawkins Graduate Research Award

Renee Boyoung Kim - Canadian Wheat Board Agribusiness Award
- Canadian Wheat Board Graduate Fellowship

Theresa Le - McBain Scholarship Award

Xiaozhan Liu - FS Chia PhD Scholarship

Funekile Mdluli - Canadian Commonwealth Scholarship

Christine Mhina - Canadian Commonwealth Scholarship

Neelum Miraj - Canadian Commonwealth Scholarship

David Nanang - FS Chia PhD Scholarship

Ernest Odupong - University of Alberta PhD Scholarship

Tracey Poitras-Collins - MH Hawkins Graduate Research Scholarship

Miriam Renner - Walter H. Johns Graduate Tuition Scholarship

Anitoliy Skripnichenko - Graduate Studies and Research Scholarship

Satoshi Tamai - Government of Canada Award

Jane Zheng - Canadian Wheat Board Agribusiness Award

Awards to Staff in 1997

James Copeland - 25 Year Service Award, University of Alberta.

Scott Jeffrey - Outstanding Journal Article Award, Canadian Journal of Agricultural Economics and Farm Management Society.

Mel Lerohl - Member, President's Council, University of Alberta.
- 25 Year Service Award, University of Alberta.

Marty Luckert - Supervisor of Outstanding MSc Thesis Award, Western Agricultural Economics Association.

Professional Offices Held by Staff in 1997

Wiktor Adamowicz - Appointed to the Alberta Forest Management Science Council; Member of Editorial Board for the Journal of Agricultural and Resource Economics; Members of Editorial Council for the Journal of Environmental Economics and Management; Elected Councillor for the Canadian Agricultural Economics Society.

Tom Beckley - Chair, Natural Resources Research Group of the Rural Sociological Society.

Harvey Brooks - Adjunct Professor, Department of Agricultural Economics, University of Manitoba and University of Saskatchewan; Appointed to the Canadian Transport Agency, List of Arbitrators.

James Copeland - Membership Director, Alberta Agricultural Economics Association.

Dhara Gill - Director, Human Resources Development for Sustainable Agroforestry and Environmental Conservation Project in Northern Thailand.

Scott Jeffrey - Member of the Advisory Council, Western Canadian Dairy Seminar; Member of Provincial Coordinating and Advising Group (PCAG) for the Canada-Alberta Farm Business Management Program.

Mel Lerohl - Member, Alberta Agricultural Research Institute Policy, Economics and Marketing@ Research Committee.

Martin Luckert - Associate Editor, Canadian Journal of Forest Research and Forestry Chronicle.

Frank Novak - Council Member, Western Agricultural Economics Association.

Jim Unterschultz - Vice-President, Newsletter Editor and Member of the Executive, Alberta Agricultural Economics Association; Member of Program Committee for the Western Food Conference sponsored by Rural Education and Development Association.

Michele Veeman - Member, Advisory Committee on Agricultural Statistics to Statistics Canada; Appointed by the Province of Alberta to Roster of Panelists for *Agreement on Internal Trade*.

Terry Veeman - Past President, Canadian Agricultural Economics and Farm Management Society; CAEFMS Liaison, International Association of Agricultural Economists - Canada Chapter; Director, Canadian Water Resources Association - Alberta Branch; Member of Environmental Research and Studies Centre Advisory Policy Board.

Staff on Leave in 1997

Michele Veeman, September 1, 1997 to August 31, 1998.

Terry Veeman, July 1, 1997 to June 30, 1998.

Graduate Students Completing Programs in 1997, their Thesis Topics and Supervisors

Boychuk, Orysia. A Community-Based Program from the Perception of Youth: A Case Study. MSc (Gill)

Bresee, Donald. New Derivative Instruments for Alberta Hog Producers. MSc (Novak)

Karugia, Joseph. Quality Factors Affecting the Value of Beef in Kenya: An Assessment of Relevant Attributes and Alternate Methodologies. PhD (M. Veeman)

Korber, Dianne. Measuring Forest Dependence: Implications for Aboriginal Communities. MSc (Luckert/Beckley)

Kuperis, Peter. The Potential Response of Milk Consumers to the Use of Bovine Somatotrophin in Milk Production. MSc (M. Veeman)

Meisner, Craig. The Impact of Forestry Practices on Water-Based Recreation in Northern Alberta. MSc (Adamowicz)

Parkins, John. Farm Forestry Networking: Farmer Group Development in Kenya. MSc (Gill)

Sebastian, Maurice. Deregulation and Freight Rates: Analysis of the Canadian Railway Industry. MSc (Lerohl)

Varghese, Jeji. Environmental Awareness, Attitude, and Action in a Northern Thai Village. MSc (Murray)

Wytinck, Sonya. Water Management in Northern Thailand: A Case Study of the Mae Taeng Irrigation Project. MSc (T. Veeman)

Xu, Xiaosong. Benefit Transfer with Multiple Sources of Heterogeneity in Non-Market Valuation Random Utility Models. PhD (Adamowicz)

Graduate Students Commencing and Continuing Programs Through 1997

Shiferaw Adilu, PhD (Veeman, M.)

Peter Boxall, PhD (Adamowicz)

Nelson Bungi, MSc (Adamowicz)

Peter Cahill, MSc (Adamowicz)

Sylvie Cauvier-Lepine, MSc (Murray)

Cyril Chami, PhD (Adamowicz, Veeman, T.)

Darren Chase, MBA/MAG (Unterschultz)

Chen Chen, PhD (Chen/Veeman, M.)

Michael den Otter, MSc (Beckley/Luckert)

Maureen Dolphin, MSc (Mumey)

Donna Dosman, PhD (Adamowicz/Murray)

Yufeng Duan, MSc (Chen/Brooks)

Kevin Dunlevy, MSc (Lerohl)

Saqib Durrani, MBA/MAG (unassigned)

Nanako Furuyama, MSc (Krogman)

Mohamed Gheblawi, PhD (Adamowicz)

Rajendra Gurung, MSc (Brooks)

Michel Haener, MSc (Adamowicz)

Atakelty Hailu, PhD (Veeman, M./Veeman, T.)

Donald Hansen, MBA/MAG (Lerohl)

Jamie Hansen, MSc (Luckert)

Darla Hatton MacDonald, PhD (Adamowicz/Luckert)

Larry Hegan, MSc (Luckert)

Pam Jagger, MSc (Luckert)

Innocent Karamagi, PhD (Jeffrey/Veeman, T.)

Renee Kim, PhD (Veeman/ M./Unterschultz)

Godfrey Kundhlande, PhD (Luckert/Adamowicz)

Theresa Le, MSc (Chen)

Wai Mei Lee, MSc (Unterschultz)

Xiaozhan Liu, PhD (Veeman, T./Chen)

Norman Lyster, MSc (Lerohl)

Jody MacKenzie, MSc (Krogman)

Sebastian Maurice, MSc (Lerohl)

Funekile Mdluli, PhD (Decore)

Christine Mhina, MSc (Veeman, T.)

Neelum Miraj, PhD (Veeman, T.)

David Nanang, PhD (Luckert/Hauer)
Ernest Odupong, PhD (Jeffrey)
Angela Pearson, MSc (Veeman, T.)
Tracey Poitras-Collins, MSc (Gill)
Kwamena Quagraine, PhD (Unterschultz/Veeman, M)
Yasmin Raheemulla, MSc (Veeman,T./Adamowicz)
Miriam Renner, MSc (Adamowicz)
Chad Robinson, MBA/MAG (unassigned)
Philippa Rodrigues, MSc (Luckert)
William Rutakumwa, MSc (Krogman)

Julius Salegio, MSc (Krogman)
Bradford Shapansky, MSc (Adamowicz)
Anatoliy Skripnichenko, MSc (Brooks)
Andrew Spratt, MSc (Unterschultz)
Satoshi Tamai, MSc (Hauer)
Cameron Taylor, MSc (Luckert)
Nicole Witwicki, MSc (Krogman)
Yue Zhao, PhD (Jeffrey/Chen)
Jane Zheng, MSc (Chen/Veeman, M.)

Visiting Speakers and their Topics

Blanchard, Andr , Director General, Beauvais Agricultural College, Paris, France. *Comparing Agricultural Research and Education: France and Canada*. April 28.

Granger, Clive, Professor, Department of Economics, University of California, San Diego, California. *Stylized Facts on the Temporal and Distributional Properties of Daily Data from Speculative Markets*. March 21.

Kubursi, Atif, Professor of Economics, McMaster University and President of Econometric Research Ltd. and Asghedom Ghebremichael, Leader, Forest Sector Research Program, Canadian Forest Service, Northern Forestry Centre. *Theme: Approaches to Quantifying Contributions of the Forest Sector in Fostering Sustainable Development in Canada's Rural Economics*. November 21.

Laplante, Benoit, Senior Economist, World Bank, Washington, DC and Adjunct Professor, Department of Rural Economy. *Controlling Industrial Pollution: From Theory to Implementation and Back to Theory*. March 24.

Sugden, Robert, Professor, School of Economic and Social Studies, University of East Anglia, England. *The Selection of Preferences Through Imitation*. September 29.

Tronstad, Russell, Associate Specialist, Department of Agricultural and Resource Economics, University of Arizona, USA. *Arizona-Sonora Agribusiness: Status and Perceptions for Development*. October 6.

Waring, Marilyn, Professor, Department of Social Policy and Social Work, Massey University, Auckland, New Zealand. *The Masquerade of Work*. February 24.

Other Visiting Scholars

Campbell, Bruce, Director of the Institute of Environmental Studies, University of Zimbabwe: July 25 - August 7.

Charland, Andre, Director General, Food Bureau: August 18.

Heberling, Matthew, PhD Student, Pennsylvania State University: June 4-8.

Horne, Paula, Finnish Forest Research Institute, Helsinki, Finland: March 16-20.

Howard, Wayne, Professor, University of Guelph: July 24.

Morden, Matt, Lecturer, Faculty of Sport, Leisure, Tourism and Land Based Studies, Carmarthenshire College, West Wales: July 4.

Mwabumba, Mannex, Visiting Professor, Department of Agricultural Economics, Bunda College of Agriculture,

University of Malawi: September -December.

Mwandira, Ruth, Visiting Professor, Department of Agricultural Economics, Bunda College of Agriculture, University of Malawi: September -December.

Nagaki, Masakazu, Professor, Tottori University, Japan: July 24.

Phetpradap, Songvut, Vice President for Special Affairs, Maejo University, Thailand: June 10-20.

Punyawadee, Varaporn, Professor, Department of Agricultural Economics and Cooperatives, Maejo University, Thailand: October 6-15.

Tronstad, Russell, Associate Specialist, Department of Agricultural and Resource Economics, University of Arizona: Sabbatical leave from August 1997 to July 1998.

A Major Academic Activity: Rural Economy Participation in Sustainable Forest Management - The Network of Centres of Excellence

On July 5, 1995 four new Networks of Centres of Excellence were announced, including the Sustainable Forest Management Network led by Dr. Ellie Prepas of the University of Alberta. This project, centred at the University of Alberta, but national in scope is a national research network focused on forest management, involving university, industry and government collaboration in research.

The Sustainable Forest Management NCE is funded by the three federal granting councils: The Natural Sciences and Engineering Research Council (NSERC), the Social Sciences and Humanities Research Council (SSHRC) and the Medical Research Council (MRC) in collaboration with Industry Canada. The total award for the Network from these councils is \$10.8 million for the period 1995 to 1999. Extension to the year 2002 is currently under review. The Network is also supported by several industry partners and provincial governments.

The Network strategy is to examine new approaches to forest management that can maintain the nation=s forest based-economy while not compromising biodiversity and ecological goals. The Network has four theme areas: Ecological Basis of Sustainability, Planning and Practices, Socioeconomic Sustainability and Minimum Impact Technologies. The theme areas will interact to provide the linkages between ecology, forest practices, processing and pollution control technology and social and economic development that are necessary to develop new approaches to forestry and new forest policies.

The Faculty of Agriculture, Forestry and Home Economics plays a major role in the new NCE. Several faculty members are partners in the Network. Dr. Vic Adamowicz (Rural Economy) and Dr. Terry Veeman (Economics/Rural Economy) are theme leaders of the Socioeconomic Sustainability Theme. In addition four faculty members have graduate students funded through the network including: 2 PhD students, 4 MSc students, 1 research associate and partial support for 2 PDFs. The network is now moving towards developing more integrated research between the themes. As leaders of the socio economic sustainability theme, Drs. Adamowicz and Veeman are shaping the future of this research program. The department=s role in the NCE illustrates its excellence in the areas of socio-economic research in issues of forestry and environmental science research.

International Projects

Human Resources Development for Sustainable Agroforestry and Environmental Conservation in Northern Thailand. D.S. Gill, Director.

This 3-year project, approved in 1994, was completed in 1997. This Faculty-based CIDA-funded project of institutional linkage with Maejo University, Chiangmai, Thailand has involved several Rural Economy faculty members as technical advisors. During the past year, two Rural Economy MSc students, Miriam Renner and Jeji Varghese, completed field research at Maejo University under the auspices of this program. Their projects involved, respectively, a case study of environmental awareness (M. Renner), and attitudes and action of the village level (J. Varghese).

Alberta/Zimbabwe Value of Trees Project

M. Veeman, U of A Director

This IDRC-funded project, which started in 1992, was completed in 1997.

University of Alberta staff members Marty Luckert, Michele Veeman, Terry Veeman and David Chanasyk each visited the University of Zimbabwe in 1997 relative to Value of Trees activities. B. Mukamuri and A. Mandondo from the University of Zimbabwe pursued staff exchange visits at the U of A in 1997 and a subsequent visit of K. Muir Leresche to the University of Alberta also occurred under the Value of Trees Project. University of Alberta student Allison Goebel completed field research in Zimbabwe and fulfilled all the requirements for completion of the PhD degree (in Sociology). University of Alberta MSc student Pam Jagger completed field research on the economics of exotic woodlots in Zimbabwe during the year; her thesis will be completed in 1998. This is also the case for a University of Alberta PhD student, Darla Hatton MacDonald, whose field work in Zimbabwe had previously been completed. University of Alberta PhD student Godfrey Kundhlande completed field research which has been supported in part by the Value of Trees Project. His PhD studies will also be completed in 1998, and he will then join the staff of the Department of Agricultural Economics and Extension, University of Zimbabwe. A proposal for a subsequent project involving further research that builds on the Value of Trees project has been submitted to IDRC.

Agroforestry Southern Africa Project

M. Luckert, U of A Director

This new five year project is funded by the Canadian International Development Agency. The project is being undertaken as a collaborative effort between the University of Alberta (directed by M.K. Luckert, Department of Rural Economy) and the University of Zimbabwe (directed by B. Campbell). The objectives of the project include:

- To develop a more comprehensive knowledge base about agroforestry in the southern African region through research and the training of graduate students;
- To strengthen the human and institutional resources of the University of Zimbabwe and the University of Alberta to offer innovative and effective programs in agroforestry through curriculum reform and the provision of appropriate library materials to the University of Zimbabwe;
- To develop and evaluate carefully designed educational experiences including graduate degrees, participatory workshops, and short courses to strengthen knowledge and skills in the area of agroforestry;
- To support personnel exchanges among participating institutions to enhance participants' knowledge and skills in the area of agroforestry.

ICRAF/University of Alberta/University of Laval Project

This faculty-based project has provided opportunities for graduate student research in Agroforestry.

Graduate students completing their thesis under this project in 1997 included Leslie Just, Jamie Hansen and John Parkins.

Publications 1997

Refereed Publications (Journal Articles, Books and Chapters in Books)

Adamowicz, W., J. Swait, P. Boxall, J. Louviere, M. Williams. 1997. Perceptions versus Objective Measures of Environmental Quality in Combined Revealed and Stated Preference Models of Environmental Valuation. *Journal of Environmental Economics and Management* (32):65-84.

Adamowicz, W., M. Luckert, and M. Veeman. 1997. Issues in Using Valuation Techniques Cross Culturally: Three Cases in Zimbabwe Using Contingent Valuation, Observed Behaviour and Derived Demand Techniques. *Commonwealth Forestry Review* 76(3):194-197.

- Adamowicz, W., and B. Condon. 1997. Socio-economic Aspects of Marten Management. 1997. In: G. Proulx, H.N. Bryant and P.M. Woodard (editors). *Martes: Taxonomy, Ecology, Techniques and Management*. Provincial Museum of Alberta, Edmonton. 395-406.
- Alavalapati, J., M. Percy and M.K. Luckert. 1997. Distribution Impacts of a Stumpage Price Increase Policy in British Columbia. *Journal of Forest Economics* 3(2):143-170.
- Campbell, B. Luckert, M.K. and I. Scoones. 1997 Local-level Valuation of Savanna Resources: A Case Study from Zimbabwe. *Economic Botany* 51(1):59-77.
- Gramling, Robert and Naomi Krogman. 1997. Communities and Technological Disasters: Policy Implications Before, During and After. *Current Sociology* 45:41-58.
- Kim, R.B., J. Unterschultz, M. Veeman and P. Jelen. 1997. Analysis of the Korean Beef Market: A Study of Hotel Buyers' Perspectives of Beef Imports From Three Major Sources. *Agribusiness* 13(4): 445-455.
- Luckert, M.K. 1997. Towards a Tenure Policy Framework for Sustainable Forest Management. *Forestry Chronicle* 73(2):211-215.
- Richards, T.J. and S.R. Jeffrey. 1996. "Establishing Indices of Genetic Merit Using Hedonic Pricing: An Application to Dairy Bulls in Alberta." *Canadian Journal of Agricultural Economics* 44(3):251-64.
- Richards, T.J. and S.R. Jeffrey. 1997. "The Effect of Supply Management on Herd Size in Alberta Dairy" *American Journal of Agricultural Economics* 79(2):555-65.
- Schmitz, A., H. Furtan, H. Brooks, and R. Gray. 1997 "The Canadian Wheat Board: How Well Has it Performed?" *Choices* 12(1):36-42.
- Unterschultz, J. and G. Mumey. 1996. Reducing Investment Risk in Tractors and Combines with Improved Terminal Asset Value Forecasts. *Canadian Journal of Agricultural Economics* 44:295-309.
- Unterschultz, J., K. Quagraine and M. Vincent. 1977. Evaluating Quebec's Preference for Alberta Beef Versus US Beef. *Agribusiness* 13(5):457-468.
- Veeman, Michele 1996. "Changes in Canadian Agricultural and Trade Policy." *Review of Marketing and Agricultural Economics* 64(3):227-39.

Oral Presentations, Posters, Proceedings and Abstracts and Other Items

- Adamowicz, W. 1997. "Scaling and Selecting Compensatory Restoration Projects: An Economic Perspective." Invited paper presented at the Conference on Restoration of Lost Human Use Values of the Environment, Washington, D.C., May 4, 5.
- Adamowicz, W., M. Luckert, and M. Veeman. 1997. "Issues in Using Valuation Techniques Cross Culturally." Paper presented at the Commonwealth Forestry Conference, Victoria Falls, Zimbabwe, May 12-16.
- Adamowicz, W., P. Boxall, M. Williams and J. Louviere. 1997. "Stated Preference Approaches for Measuring Passive Use Values: An Application to Woodland Caribou Conservation in Alberta, Canada." Selected paper presented at the Joint Canadian Agricultural Economics and Farm Management Society and American Agricultural Economics Association annual meetings, Toronto. July 27-30.
- Alavalapati, J. and W. Adamowicz. 1997. "Modelling the Economy of a Tourism-Oriented Forest Dependent Region." Presented at the 7th Symposium on Systems Analysis in Forest Resource, Bellaire, Michigan. May

28-31.

- Boxall, P., J. Englin and W. Adamowicz. 1997. "North American Aboriginal Artifacts: A Contingent Behaviour Analysis of the Consumptive Value to Western Society." Paper presented at the W133 Regional Research meetings, Portland Oregon. March 20-21.
- Brooks, H. 1997. "Farmer Market Segmentation Issues for Agricultural Co-operatives" Presented at the Canadian Association for Studies in Co-operatives, Learned Societies, St. John's, Newfoundland. June 2.
- Brooks, H. 1997. "New Generation Co-operatives: A Model for Value-Added Processing." University of Alberta Open Seminar, Edmonton, Alberta. June 8.
- Chen, K., J. Hui and P. Chen. 1997. "Does China Discriminate Among Prices in the Origins of Its Wheat Import". Presented to the International Association of Agricultural Economists, Sacramento, California. August 11-16.
- Chen, K., K. Meilke, and C. Turvey. 1997. "Characterizing Farmer's Risk Behavior: An Alternative Approach." Paper presented at the Joint Canadian Agricultural Economics and Farm Management Society and American Agricultural Economics Association annual meetings, Toronto. July 27-30.
- Fox, G. and W. Adamowicz. 1997. "The Role of Economists in Endangered Species Legislation: Can Canada Draw Lessons from the American Experience?" Paper presented at the Joint Canadian Agricultural Economics and Farm Management Society and American Agricultural Economics Association annual meetings, Toronto. July 27-30.
- Gunter, Valerie, and Naomi Krogman. 1997. "Whose Knowledge Counts? Local Versus Expert Participation in Environmental Decision Making." Presented at the Southwestern Social Science Association Meetings, New Orleans, Louisiana. March 12.
- Hailu, A., W. Adamowicz and P.Boxall. 1997. "Substitution and Valuation: Application of a Multi-Program Environmental Valuation Model." Selected paper presented at the Joint Canadian Agricultural Economics and Farm Management Society and American Agricultural Economics Association annual meetings, Toronto. July 27-30.
- Hauer, Grant K. 1997. "International Dispersion of Pollution Externalities: A Multiple Public Bads Approach." Ph.D. Dissertation, University of Minnesota. 250 p.
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- Unterschultz, J. and K Quagraine. 1997. "Investment Analysis of Agri-Food Ventures: What Risk Premia are Appropriate? The Silence of the Literature." In: *Managing Into the 21st Century: Proceedings of the 11th International Farm Management Congress* (L. Bauer, editor). International Farm Management Association. p.1017-1029.
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- Veeman, M. 1997. "Changing Roles of Agricultural Marketing Institutions." Invited speaker at Alberta Agricultural Economics Association Conference, Red Deer, May 1.
- Veeman, M. "Restructuring of the Agricultural and Food Sectors." Invited presentation to "Fellows Forum", a roundtable session organized by Fellows of the American Agricultural Economics Association, at the Joint Canadian Agricultural Economics and Farm Management Society and American Agricultural Economics Association annual meetings, Toronto. July 27-30.
- Veeman, M. "Marketing Boards: The Canadian Experience Revisited." Invited presentation at Symposium on Organized Marketing, at the Joint Canadian Agricultural Economics and Farm Management Society and American Agricultural Economics Association annual meetings, Toronto. July 27-30.
- Veeman, M. 1997. "The North American Free Trade Agreement: Lessons for the Southern Africa Region." Presented at the University of Zimbabwe, October 28. A similar presentation was made at the Bunda College of Agriculture, Malawi, November 3. A modified seminar on "The North American Free Trade Agreement: Lessons for Eastern Africa" was given at the Department of Agricultural Economics, Kabete Campus of the University of Nairobi, Kenya, November 14.
- Veeman, T. and W. Adamowicz. 1997. "Integration Bio-physical and Socio-economic Research: The New Canadian Sustainable Forest Management Network of Centres of Excellence Approach to Interdisciplinary Research." Paper presented at the Commonwealth Forestry Conference, Victoria Falls, Zimbabwe, May 12-16.
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- Goebel, Allison. *When It's Clear Who Owns the Trees: Evaluating Privatization in the Social Forest in a Zimbabwe Resettlement Area*. Staff Paper 97-06. Department of Rural Economy, University of Alberta, Edmonton. 37 p.
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- Graham, Laura, William Phillips and Kay Muri-Leresche. *Empirical Approaches to the Valuation of Small Wildlife Resources in Communal Areas in Zimbabwe*. Staff Paper 97-04. Department of Rural Economy, University of Alberta, Edmonton. 40 p.
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- Matose, F., D.S. Gill and L. Just. *Local People and Forest Resources in Zimbabwe*. Staff Paper 97-01. Department of Rural Economy, University of Alberta, Edmonton. 17 p.
- Parkins, John R. and Dhara S. Gill. *Farmer Group Development in Kenya: Issues and Recommendations for Service Providers*. Staff Paper 97-05. Department of Rural Economy, University of Alberta, Edmonton. 20 p.
- Swait, Joffre and Wiktor Adamowicz. *Choice Task Complexity and Decision Strategy Selection*. Staff Paper 97-08. Department of Rural Economy, University of Alberta, Edmonton. 44 p.
- Unterschultz, James and Frank Novak. *Flexible Pricing and Payment Alternatives on Canadian Wheat Board Pooling for Wheat*. Staff Paper 97-02. Department of Rural Economy, University of Alberta, Edmonton. 76 p.
- Veeman, Michele and Yanning Peng. *Canadian Dairy Demand*. Project Report 97-03. Department of Rural Economy, University of Alberta, Edmonton. 69 p.
- Veeman, T.S. and M.M. Veeman with W.L. Adamowicz, S. Royer, B. Viney, R. Freeman and J. Baggs. *Conserving Water in Irrigated Agriculture: The Economics and Valuation of Water Rights*. Project Report 97-01. Department of Rural Economy, University of Alberta, Edmonton. 23 p.
- Veeman, T.S., Y. Peng, and A.A. Fantino. *Science, Technology, and Competitiveness in Alberta's Agriculture and Food Sector*. Project Report 97-04. Department of Rural Economy, University of Alberta, Edmonton. 43 p.

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Adamowicz, W.L. ADevelopment of a Survey Instrument and Choice Experiment for Evaluating Non-Timber Values and Community Preferences for Forest Resources.@ Funded by Canadian Forest Service.

Beckley, T.M. AForest Sociology.@ Funded by Canadian Forest Service.

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Beckley, T and M. Luckert. ASocial, Cultural and Political Dimensions of Forest-Dependence in the Communities of the Lower Winnipeg Basin.@ Funded by the Rural Development Institute and Canadian Forest Service.

Gill, D.S. AThailand Human Resources Agroforestry Project.@ Funded by CIDA.

Morgan, J., G.W. Lamble and D.S. Gill. AAlberta Rural and Agricultural Leadership Research.@ Funded by Alberta Agriculture.

Research in Progress as of December 31, 1997

Adamowicz, W.L. AHousehold Bargaining Models and Choices Under Risk.@ Funded by Endowment for the Future Fund.

Adamowicz, W.L. AModeling Non-timber Benefits via Benefits Transfers.@ Funded by Network of Centres of Excellence on Sustainable Forest Management.

Adamowicz, W. and M. Luckert, W. White. AAssessing the Economic Impacts of a Natural Disturbance Forest Management Regime.@ Funded by Network of Centres of Excellence on Sustainable Forest Management.

Adamowicz, W., P. Kennedy, B. Laplante, M. Luckert. AEconomics of Waste Management.@ Funded by Environment Canada.

Apedaile, L.P. ASocial and Economic Restructuring in Rural Canada: Opportunities and Impacts of the North America Free Trade Agreement.@ Funded by SSHRC.

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Chen, K. AMarketing.@ Funded by FSIDA.

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Jeffrey, S.R. and K.Z. Chen. ATrade Liberalization and Dairy Processing.@ Jointly funded by Alberta Agricultural Research Institute and Agriculture Canada.

Jeffrey, S.R. “An Assessment of the Economic Impact of BST on the Alberta Dairy Sector.” Funded by Alberta Agricultural Research Institute and the Alberta Milk Producers Society.

Jeffrey, S.R. “A Dynamic Economic Analysis of Productive Efficiency in Alberta Dairy Production.” Funded by Alberta Agricultural Research Institute and the Alberta Milk Producers Society.

Krogman, N.T. “Travel and Consulting Funds to Develop Sampling Frame and Gather Survey Data on Farmer Wetland Conservation Behavior Throughout Southeastern Alberta.” Funded by General Research Fund, University of Alberta.

Krogman, N.T. “Stakeholder Issues for the Overlapping Land Uses for Oil and Gas Development, Farming and Forestry.” Funded by Endowment Fund for the Future (EFF) Support for the Advancement of Scholarship, University of Alberta.

Krogman, N.T. “Local Control of Forest Management: Social Implications for Community Buy Out of Forest Product Mills.” Funded by Social Sciences Research (SSR) Grant, University of Alberta.

Lerohl, M.L. AGrain-Livestock Industry Research.@ Funded by Alberta Agriculture.

Lerohl, M.L. AThe Impact of South American Integration on the North American Beef Market.@ Funded by Alberta Agricultural Research Institute, Farming for the Future Project.

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Luckert, M., with B. Campbell, J Gambiza and B. Makamuri. AEconomics of Grazing.@ Funded by Ecological Economic Network for Eastern and Southern Africa, Environment Capacity Enhancement Project.

Luckert, M. and E. Murray. AAgroforestry: Southern Africa.@ Funded by CIDA.

Luckert, M.K., V. Lieffers and W. Adamowicz. AEconomic Analysis of Ecologically Based Mixedwood Silviculture at the Stand and Forest Level.@ Funded by Alberta Environment.

Novak, F.S. and S.R. Jeffrey. AAn Economic Analysis of Alternative Whole Farm Stabilization Programs.@ Funded by Alberta Agricultural Research Institute Matching Grants Program with matching funds from SSHRC Project re: NISA.

Novak, F.S. APrice Risk Management Strategies for Alberta Hog Producers.@ Funded by University of Alberta Central Research Fund.

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Novak, F. and J. Unterschultz. ANew Instruments for Co-ordination and Risk Sharing Within the Canadian Beef Industry.@ Funded by the Beef Industry Development Fund.

Novak, F. and J. Unterschultz. ASwine Risk Management.@ Funded by Alberta Agricultural Research Institute.

Smith, E. and M. Lerohl. AValue of Soil Quality Attributes.@ Funded by Alberta Agricultural Research Institute.

Tyrchniewicz, E.W. AForestry Sector=s Interface with the Transport Sector.@ Funded by Forestry Canada.

Unterschultz, J. and M. Lerohl. "A Nutriceutical Industry: Policy Implications." Funded by Alberta Agricultural Research Institute.

Unterschultz, J. and F. Novak. AFlexible Pricing Alternatives in Wheat.@ Funded by Alberta Agricultural Research Institute and Canadian Wheat Board.

Unterschultz, J. and M. Veeman. AKorean Beef.@ Funded by Alberta Agricultural Research Institute.

Veeman, M.M. AConsumers= Perceptions of Environmental and Health Risks: Impacts on Demand for Dairy Products.@ Funded by University of Alberta Central Research Fund.

Veeman, M.M. AEconomic Impacts of Supply Management.@ Unfunded.

Veeman, M.M. AMeasurement of Economic Effects of Generic Promotion of Meats.@ Funded by EFF.

Veeman, M. and W. Adamowicz. AConsumer Perceptions of Environmental Risks and Demand for Food Safety.@ Funded by Alberta Agricultural Research Institute.

Veeman, M.M. and W. Adamowicz. AConsumers= Perceptions of Environmental and Health Risks: Milk Case Study.@ Funded by University of Alberta Endowment Fund for the Future.

Veeman, M.M. and W.E. Phillips, et al. AValue of Trees (Alberta/Zimbabwe).@ Funded by IDRC.

Veeman, M.M. and J.R. Unterschultz. AMarket Potential for Pork in Selected US Markets.@ Funded by Federal-Provincial Market Development Council and Alberta Pork Producers Marketing Corp.

Veeman, M.M. and T.S. Veeman, AGATT Liberalization and World Grain Markets: Potential and Constraints for Western Canada.@ Funded by Alberta Agriculture Research Institute.

Veeman, T.S. AScience, Technology and Competitiveness in Alberta=s Agriculture and Food Sector.@ Funded by Alberta Agriculture Research Institute.

Veeman, T.S. and M. Luckert. AEconomic Issues in Assessing Sustainable Development in Forestry.@ Funded by Network of Centres of Excellence on Sustainable Forest Management.

Veeman, T.S. and M.M. Veeman. AConserving Water in Irrigated Agriculture: The Economics and Valuation of Water Rights.@ Funded by Canada-Alberta Environmentally Sustainable Agriculture (CAESA) Program.

Veeman, T., W. Adamowicz, T. Horbulyk and J. Church. AGreen Plan Economic Instruments for Water Resource Allocation: A Theoretical and Empirical Assessment of Pricing and Rights Trading.@ Funded by Environment Canada.