

2.6 DIVISION OF NATURAL RESOURCE ECONOMICS

Division of Natural Resource Economics offers research and educational opportunities of socio-economical problems concerned with industrial activities around natural resource as well as harmony between industrial development and nature conservation. This is the only division which studies the field of social science in graduate school of agriculture. Therefore this division is characterized by comprehensive and interdisciplinary studies based on economics, sociology and history and so on.

Division of Natural Resource Economics is composed of 3 chairs and 8 laboratories: Chair of Management & Information of Agricultural Enterprise (Laboratory of Farm Management, Laboratory of Farm Managerial Information and Accounting), Chair of International Agricultural Economics (Laboratory of Regional Environmental Economics, Laboratory of Food and Environmental Policy, Laboratory of Forestry Policy and Economics, Laboratory of International Rural Development). Chair of Comparative Agricultural History & Philosophy of Agricultural Science (Laboratory of Comparative Agricultural History, Laboratory of Philosophy of Agricultural Science).

70 undergraduate students and 77 graduate students (include 45 students in master course and 32 in doctor course) are enrolled in this division.

In addition, staffs of this division offer educational service for undergraduate students in the Department of Food and Environmental Economics.

Chair of Management & Information of Agricultural Enterprise

2.6.1 Laboratory of Farm Management

Staff *Professor* : Niiyama, Yoko, D. Agric. Sci.
 Associate Professor: Tsujimura, Hideyuki, D. Agric. Sci.
 Instructor : Taguchi, Kozue, M.Agric.Sci

Students and research fellows

Doctors program : (6)

Masters program : (8)

Undergraduate : (5)

A. Research activities (2005.4-2006.3)

A-1. Main subjects

a) Joint study by staff:

Market and Farm Management:

The world agriculture has been increasingly embracing the free market principle. Can farms survive under such principle? It is now essential not only to create a coordination system, which

is based on social values of the agriculture and the farm in each country, but also to redefine the market. Through comparative analysis on problems regarding the farm management among US and the EU which lead in world agriculture, developing countries in Asia and Africa, and needless to add Japan, we will discuss future pictures of farm organizations and management, and conditions that is essential for their survivals.

Diversity of Farms and Agribusinesses:

In every country, farms are abundant in diversity with traditional family farms at one end and huge farms dominated by multinational conglomerate agribusinesses at the other. The disparities in management structure, corporate behavior and social raison d'être of respective farms should be clarified. In addition, social significance and impacts of respective farms on local communities and food supply should be brought to light.

Roles of Regional Agricultural Organizations:

Sustainable development of the farm requires the regional agricultural organization. There are various kinds of regional agricultural organizations including the community-based organizations, collective organizations, agricultural cooperatives and agricultural services. A number of studies on their contributions to the establishment of regional agricultural system and production center system have been accumulated.

Person and Management:

The Farm organization is created and run by human. Not only the managerial creed, the managerial function and the business management system, which has been created by person in order to run business management more efficiently, but also the impact of management philosophy, thought and ethics on society (including products and regional communities), and culture created through management will be clarified.

Food System and Social System to Ensure Food Safety:

In order to supply high-quality food, farms have now been called for cooperation not only with consumers but also with affiliated industries which form the food system: food manufacturing, wholesaling, retailing and catering industries. In addition, in these days of frequent food incidents including those caused by BSE, food poisoning through pathogenic microbes such as O157:H7, residual pesticides on produce and false labeling of foods, we are urged to create a social system to ensure food safety. The future direction of Japan in this regard will be further discussed by comparing it with EU and US.

b) Individual study:

Niiyama, Y.: 1) Theoretical and Empirical Study on Agribusiness and Food-system; 2) Comparative Studies of Food-safety and Traceability system in Food Chain in Japan- the E.U. Countries; 3) Comparative Studies of Beef Food-system in Japan- the U.S.- the E.U. Countries; 4) Studies on the Regional Organization of Agriculture; 5) Studies on the Type of Enterprise and Business Administration in Agriculture.

Tsujimura, H.: 1) Studies of food system and agribusiness based on cases concerning agricultural products (especially coffee) produced in developing countries; 2) Studies on roles of cooperatives played in socio-economic development at rural area in Africa (especially Namibia and Tanzania); 3) Studies on problems of poverty and farming household economies at rural area in Tanzania; 4) Studies on roles of the fair trade played in producing areas (developing countries) and its development in consuming areas (developing countries).

Taguchi, K.: 1) Studies on environmentally-sound farm enterprises in mountainous areas in

Austria; 2) Studies on rural tourism in Austria; 3) Studies on forest management and forest use by small-scale farms in Austria

A-2. Publications and presentations

a) Publications

Books

Niiyama, Y., ed.: *Commentary; Traceability in Food Chain*. Y. 3007, July 2005, Syo-wa-dou (in Japanese)

Original papers

Niiyama, Y.: The Coping with the Problem of U.S. Beef Import Resumption. *Noson to Toshi wo Musubu*, 71(14); 5-16, March 2006 (in Japanese)

Niiyama, Y.: *The Evaluation on Measures for BSE in the U.S. and the History of Deliberation for Opening Beef Import in Japan*. *Agriculture and Economy*, 71(14); 5-16, December 2005 (in Japanese)

Niiyama, Y.: The Farm Management Activities in Politics and Economics. Inamura ed. *The Theory of Cultivate System*. Asakura-shoten, 2005, pp52-65 (in Japanese)

Kiyohara, A. & Niiyama, Y.: The Establishing Food Safety System Consumers Put Reliance on. *Quarterly Izumiya Research Institute*, Vol.65, 14-21 (in Japanese)

Tsujimura, H.: The Restructuring of Coffee Value Chain in Tanzania: Reform of Distribution System and Its Effect on Small Farmers. *The Natural Resource Economics Review*, 11, March 2006 (in Japanese)

Tsujimura, H.: Price Formation Mechanism of Coffee, Cooperatives and Small Farmers: From Production to Export of Kilimanjaro Coffee, *Quarterly AT*, 3 (in Japanese)

Tsujimura, H.: Features of Coffee Industry and Fair Trade in Japan, *Quarterly AT*, 3 (in Japanese).

A-3. Off-campus activities

Membership in academic societies (roles)

Niiyama, Y.: The Association for Regional Agricultural and Forestry Economics (director)
The Agricultural Economics Society of Japan (vice-president)

Tsujimura, H.: The Association for Regional Agricultural and Forestry Economics (director)
The Farm Management Society of Japan (director)

Research grants

Niiyama, Y.: Grant-in-Aid for Scientific Research (A1) The Comprehensive Research on Risk Assessment, Management, Communication and Education (Head investigator). 2004-2006

Tsujimura, H.: Grant-in-Aid for Scientific Research, Encouragement of Young Scientists (B): Empirical Study of Tanzanian Coffee Food System and Sustainable Development of Coffee Farming Village, 2003-2005

Tsujimura, H.: Grant-in-Aid for Scientific Research (A1) The Comprehensive Research on Risk Assessment, Management, Communication and Education, 2004-2006

Tsujimura, H.: Grant-in-Aid for Scientific Research (A1) Empirical Study on Regional Economic Zones around Coffee Producing Areas in East Africa, 2004-2006

Taguchi, K.: Grant-in-Aid for Scientific Research, Encouragement of Young Scientists (B): Studies

B. Educational Activities (2005.4-2006.3)

B-1. On-campus teaching

a) Courses given

Undergraduate level: Introduction of World Agriculture and Forestry (Tsujimura), Farm Management (Niiyama), Theory of Agribusiness (Tsujimura), Seminar in Farm Management (Niiyama, Tsujimura), International Education Program (Tsujimura), Foods, Agriculture and Environment in the World (Niiyama)

Graduate level: Advanced Farm Management 1, 2 (Niiyama), Advanced Theory of Agribusiness Analysis (Tsujimura), Advanced Seminar on Farm Management 1, 2 (Niiyama, Tsujimura)

B-2. Off-campus teaching

Part-time lecture

Center of Human Security Research, Graduate School of Doshisha University (Niiyama)

Department of Cross-Cultural Studies, Kyoto Notre Dame University (Tsujimura)

Institute for Liberal Arts Education, Kanazawa University (Tsujimura)

B-3. Overseas teaching

Students and fellows abroad

Foreign students: Doctors program 1 (Korea)

2.6.2 Laboratory of Farm Managerial Information and Accounting

Staff *Professor: Oda, Shigeaki*

Lecturer : Kagawa, Bunyo

Students and research fellows

Master's program : (4)

Undergraduate : (2)

Research Stuff : (1)

Research Student: (1)

A. Research Activities (2005.4-2006.3)

A-1. Main Subjects

a) Research on management and accounting for agricultural corporations

There is a tendency of family farms in Japan to change into firms and corporate bodies. Central and local governments and groups have been encouraging it recently. However, in the academic circles, only research in institutions is advanced, while research in management and accounting is quite weak. Therefore, our section has been studying the importance and organization of agricultural corporations theoretically in the fields of business, financial

accounting, and management accounting for several years. We also are doing many case studies all around Japan.

b) Study of farm services

Every farm business pursues its expansion and rationalization. Depending on farm services is one possible means. It includes various categories such as: consignment of productive operations, sales, purchases, and distribution, diagnosis and analysis of management and technique, bookkeeping, and booking analysis tax declaration, information gathering and its analysis, etc. There is no doubt that the need for farm services is increasing in Japan. Our section is studying the concept of farm services by basing on the theory of farm industrial institution, business theory, cost calculation theory, and theoretical cost-benefit analysis.

c) Research on information systems in farm management

In this highly information-oriented age, it is necessary for farm managers to gather, analyze, and utilize information efficiently. Apart from quantitative information related to accounting, technique, and marketing, managers require qualitative information concerning the business. They require both an internal information system on their businesses and an external information system within their regions. Our section is doing research on decision making, accounting information, information systems, and industrial organizations theoretically. We are collecting and analyzing other researches information and case studies in this field in and out of Japan.

A-2. Publications and presentations

a) Publications

Books

Shigeaki Oda: “The world of agribusiness seen in statistics”, Agribusiness and Agriculture • Rural, Chap 2, The University of the Air, 2006.3

Original Paper

Matsuda Takashi, Akinori Higuchi, Yasushi Sembokuya, Bunyo Kagawa: “Private Account System of Association Member and Cash Flow Accounting”. Japanese Journal of Farm Management Vol.43, No.1, 2005.6

Bunyo Kagawa, Shigeru Ito, Sewook Seo: “Quantitative Consideration on the Private and Public Disposal of Regional Wastes”. The Natural Resource Economics Review No.11, 2006.3

Reports

S.Oda: “A Developing Model of Business Seeds based Agricultural Processing Waste-- Case Study of Napa in USA, CA—”, 2006.3

Proceedings

Haruhiko Iba, Kouji Ochiai, Nobuko Ueda, Shigeaki Oda: “Development of Wine Industry and Tourism Teroir”, Journal of The American Society for Enology and Viticulture, Japan Chapter, Vol.16, No.3, 2005.11

A-3. Off-campus activities

Shigeaki Oda: American Society for Enology and Viticulture Japan(Editor)

B. Educational Activities (2005.4-2006.3)

B-1. On-campus teaching

a) Courses given

Undergraduate level: Outline of Farm Managerial Information and Accounting Survey (Oda), Survey Method for Farm Management (Oda, Kagawa), Accounting for Farm Finance (Kagawa), Practice of Agricultural and Forestry Statistics (Kagawa), Special Seminar in Food and Environmental Economics I (Kagawa), Special Seminar in Food and Environmental Economics II (Kagawa), Seminar in Farm Managerial Information and Accounting I (Oda, Kagawa), Seminar in Farm Managerial Information and Accounting II (Oda, Kagawa), Seminar in Farm Managerial Information and Accounting III (Oda, Kagawa)

Graduate level: Farm Managerial Information and Accounting I · II (Oda), Methodology of Farm Accounting (Kagawa), Advanced Seminar on Farm Managerial Information and Accounting I · II (Oda, Kagawa)

b) Thesis titles and supervisors

Research student

“Agricultural Accounting” (Oda, Kagawa)

Research staff

“Group Farming” (Oda, Kagawa)

B-2. Off-campus teaching, etc.

a) Off-campus teachings

Shigeaki Oda: Osaka Economic University (Outline of Information Processing Methods)

b) Public lectures, etc

Shigeaki Oda: The 69th Farm Accounting and Management Lectures at Kyoto University (1st class). Class topic: Double entry bookkeeping for the growth and rationalization of firm management; theory and practical affairs

Bunyo Kagawa: The 69th Farm Accounting and Management Lectures at Kyoto University (1st class). Class topic: Double entry bookkeeping for the growth and rationalization of firm management; theory and practical affairs

C. Other remarks

Off-campus committee member

Shigeaki Oda: The Council of Price Stabilization Policy in Kyoto Prefecture

Chair of International Agricultural Economics

2.6.3 Laboratory of Regional Environmental Economics

Staff Professor: Kagatsume Masaru, Dr. Agr. Sci.

Lecturer : Shen Jinhu, Dr. Agr. Sci.

Students and research fellows

Doctor's Program : (4)

Master's Program : (10)

Undergraduate : (3)

A. Research Activities (2005.4-2006.3)

A-1. Main subjects

a) Systematization of research & education field of regional environmental economics

Research on the interrelation between environmental resources conservation and agro-forest activities in various areas in the world, such as interactions between sustainable rural development & environmental resources constraints in global level. These research areas contain both theoretical and empirical approaches for fields of national resources accounts, social account matrix and regional input-output analysis as well as international trade of food & resources etc.

b) Regional Planning and the Policy Evaluation in Less Favored Areas

We investigated on regional characteristics of Agriculture in Awaji island, South of Hyogo prefecture, which has been suffered from lack of rainfall and water for irrigation, then surveyed the feasibility of regional revitalization schemes based on securing source of irrigation water.

c) Model Building on Land Use & Land Cover Change in East Asia

We have been trying to build basic model for forecasting the land-use & land cover change in East Asia such as Japan, China, Indonesia and Thailand, which is conducted in collaboration with IIASA and NIES by incorporating the Regional Input-Output Analysis based on Environmental Resources Accounts and Social Account Matrix (SAM).

d) Economic Analysis, Assessment, Planning and Management of Regional Agriculture, Resources & Environment in Urbanizing Areas - Theoretical and Positive Approaches -

The competition between agricultural use and non-agricultural use of regional environmental resources has become more and more serious recently in urbanizing areas. As a type of regional agriculture, farming in urbanizing areas, where changes in use of resources are drastic and these uses are in a state of disorder, is especially of interest. Case studies have been conducted in both developed countries (U.S.A., U.K., Germany, Australia & New Zealand, Japan) and developing countries (Thailand, Philippines, Malaysia, Indonesia and China).

e) Effects of Economic Integration in Asia-Pacific regions on Agricultural Trade of EU and APEC Countries

We made a positive analysis on effects of economic integration, such as trade and investment liberalization in APEC countries on the international trade market of agricultural commodities and regional environments.

- f) Agricultural Restructuring and Environmental Issues after the introduction of market mechanism in CEEC

Had experienced transition from the central planned economic system to the market economic system since late 1980s, some central and east European countries begin to prepared joining into the EU now. However, in this process, agricultural structures have dynamically changed and serious environmental issues have occurred. A joint research has been conducted on the current situation and these problems.

- g) Study on Agricultural Promotion in ESA and Direct Payment in Japan

A-2. Publications and presentations

- a) Publications

Books

Original Papers

Kagatsume M.: Australia-China Free Trade Agreement and Its Economic Impacts. The Natural Resource Economics Review, No.11; 67-86, March 2006

Hrabrin Bachev and Kagatsume M.: Assessment of Farm Support Policies and Impacts of CAP Implementation on Farm Structures and Sustainability in Bulgaria. The Natural Resource Economics Review, No.11; 173-193, March 2006

Kagatsume M., "Food Strategy and Trade Negotiation Stance of Australia", Agriculture and Economy, Vol.72, No.5, pp72-80, Shouwado, March 2006.

Kagatsume M., "Impacts of Climate Change and the EU Accession on Turkish Rural Industries --- the approach by the Input-Output model and Markov-Transition Matrix---", ICCAP, Research Paper, Research Institute of Human and Nature, 2006/2/27

Shen J. H.: The Economic Reforms and Grassland's Degradation and Desertification in China: Is the household contract system a best institutional arrange for all of the steppe areas? The Natural Resource Economics Review, No.11; 87-100, March 2006

Reports

Kagatsume M.: An Econometric Analysis on the Interrelations among Rural Industries Structure, Agricultural Productivities and Climate Changes, The Progress Report of ICCAP, The Research Project on Impact of Climate Change on Agricultural Production System in Arid Areas (ICCAP), 122-131, April 2005

Kagatsume M.: "Targets and Prospects of Japan Style Direct Payment Policy (New Cross Commodity Management Stabilization Scheme)" Korea-Japan Joint Symposium on Direct Payment and Farm Income Stabilization Policy, Chezu Island, Korea, Korean Agricultural Economics Society, June 24, 2005

Kagatsume M.: "New Direct Payment Policy and Farm Income Stabilization Scheme in Japan ----environmental implication of Cross Commodity DP Policy on farmland resource conservation -----", Contributed Paper at the International Symposium on Direct Payment Policy in Agriculture, Taipei, July, 2005

Kagatsume M.: "Food / Agricultural Situations and Environment / Trade Policy in Australia", Report of the Asia-Pacific Area Food & Agricultural Situation Survey, Japan Association for International Collaboration of Agriculture and Forestry (JAICAF), March 2006, pp3-38.

Kagatsume M.: "Rape Blossom Project as the Rural Resource Recycling and Regional

Revitalization”, 2006/2/24

b) Presentation in the Academic conferences

Masaru KAGATSUME, “Targets and Prospects of Japan Style Direct Payment Policy (New Cross Commodity Management Stabilization Scheme)” Korea-Japan Joint Symposium on Direct Payment and Farm Income Stabilization Policy, Cheju Island, Korea, Korean Agricultural Economics Society, June 24, 2005

Masaru KAGATSUME,, “New Direct Payment Policy and Farm Income Stabilization Scheme in Japan ---- environmental implication of Cross Commodity DP Policy on farmland resource conservation -----”, International Symposium on Direct Payment Policy in Agriculture, Taipei, July 14, 2005 ”

Masaru KAGATSUME,, “Rape Blossom Project as the Rural Resource Recycling and Regional Revitalization”, 2005 International Seminar on One village One product Xi’an, China, November 5, 2005

Masaru KAGATSUME, “Canola Project as the Rural Resource Recycling and Regional Revitalization”, (2005/12/5, Beijing, Institute of Science Research)

Masaru KAGATSUME, “Water Use Reform and Environment Resource Conservation in Australia”, Regional Conference of Association of Australian Studies, Ohtemon University, March 18, 2006.

A-3. Off-campus activities

Membership in academic societies (roles)

Kagatsume, M.: The Agricultural Economics Society of Japan (Vice-President); The Association for Regional Agricultural and Forestry Economics (Director); The Oceanian Economics Society (Auditor); Society of Australian Studies (Director). Research Coordination Council for Academic Conferences

Kagatsume, M.: Committee Member for Research on Land Use & Cover Change, Research Coordination Committee for Global Environment Research, Japan Academic Council Section 6.

Research grants

Monbukagakusho Research (Basic Research B): “International Comparative Study on the Less-Favored Areas Revitalization and Environment-friendly Rural Industries Promotion under WTO system”, <Project Leader: Masaru Kagatsume, A Project Member : Shen J. H >

Monbukagakusho Research (Basic Research C): “A Study on the Economic-Social Changes and the Grassland’s Desertification in the Steppe Areas of northwestern China”, <Project Leader: Shen J. H, A Project Member : Masaru Kagatsume >

Monbukagakusho Research (Set-up Research): “An Econometric Study on the Effects of Ecological Emigration Against Grassland Desertification in China”, <Project Leader: Masaru Kagatsume>

A-4. International cooperations and overseas activities

International joint researches, overseas research surveys

Kagatsume, M: Mongol, “Desertification and Overgrazing Issues in Grassland area”, July 22-29, 2005

Kagatsume, M: Inner Mongolia, “Desertification and Overgrazing Issues in Grassland area”, Sep 6-13, 2005

Kagatsume, M: Germany, (Hohenheim University) “CAP reform in EU”, Sep 16-24, 2005

Kagatsume, M: China, (Xingian Autonomous Province), “Environmental Issues in North-West China”, Sep 26-Oct 4, 2005

Kagatsume, M: China, Xi'an city, “One Village One Product Policy and Regional Revitalization”, Nov. 4-9, 2005

Kagatsume, M: Australia, “Food and Agriculture Situation Survey”, Nov 19-27, 2005

Kagatsume, M: China, Zhejian Province & Beijin, “Survey on Resource Recycling Agriculture”, Dec. 2-6, 2005

Kagatsume, M: China, (Darlian, Xin'yang, Beijin, Tenxing), “Socio-economic Change and Desertification in North China grassland region in the post-War period”, Mar 1-8, 2006.

Kagatsume, M: Turkey, (Adana, Antalya, Konya), “Impact of Climate Change on Agricultural Productivity in Semi-arid zone”, Mar 25-Apr 5, 2006

Shen Jinf: China, (Darlian, Xin'yang, Beijin, Tenxing), “Socio-economic Change and Desertification in North China grassland region in the post-War period”, Mar 1-8, 2006.

Shen Jinf: China, “Socio-economic Change and Desertification in North China grassland region in the post-War period”, Mar 15-28, 2006/07/08

Invitation of Foreign Researchers

JSPS Post Doctoral Fellowship

International Conference

Kagatsume, M: “Korea-Japan Joint Symposium on Direct Payment and Farm Income Stabilization Policy”, Korean Association of Agricultural Economics, Cheju Iland. Korera, June 23-27, 2005

Kagatsume, M: Joint Symposium on the Agricultural Economy and Resource Economic Issues”, Taiwan, Taipei city, Joint Association of Agricultural Economics among Taiwan-Korea-Janpan, July 12-16, 2005

B. Educational Activities (2005.4-2006.3)

B-1. On-campus teaching

a) Courses given

Undergraduate level: Resource & Environmental Economics (Kagatsume), Agricultural & Forestry Statistics (Kagatsume), Resource and Environmental Analytics (Shen), Basic Information Processing Method (Shen), Basic Sociology & Economics for Agriculture (Shen and Adachi), Seminar in Resource & Environmental Economics I, II, III (Kagatsume, Shen), Foreign Food and Environmental Economics II(Shen).

Graduate level: Regional Environmental Economics I,II,III (Kagatsume), Advanced Seminar in Regional Environmental Economics I,II,III (Kagatsume, Shen), Rural Resources Economics (Shen)

B-2. Off-campus teaching, etc.

Part-time lecturer

Kagatsume,M.: Junior College of Agriculture, Toyama Prefectural University, Environmental Economics

Kagatsume, M,: Dept of Education, Kyoto University of Education.

Kagatsume, M,: Collaborated Education Activities between Highschool and University, SSH Seminar System, Nishi-Yamato-Gakuen Highschool and Zeze Highschool

B-3. Overseas teaching

Students from abroad

(Doctor course) China 3, Nigeria 1

(Research Student) Argentine 1

C. Other remarks

Kagatsume, M,: Committee Member of International Food Market Research Committee, Japan International Agricultural Council.

Kagatsume, M,: Director Board Member of Kansai New Zealand Center

2.6.4 Laboratory of Food and Environmental Policy

Staff *Professor : Takebe, Takashi, D. Agric. Sci.*

Instructor: Yoshino, Akira, D. Agric. Sci.

Students and research fellows

Doctor's program : (1)

Research fellow : (1)

Master's program : (4)

Undergraduate : (5)

A. Research Activities (2005.4-2006.3)

A-1. Main subjects

a) Food, Agricultural and Environmental Policies

In consideration of the global environment as the basis for human life, we examine and identify the agricultural and environmental problems from the viewpoint of the theory in economics and policy. Our topics include sustainable food production in the world, environmental governance, normative analyses of local resource use, international cooperation for global environmental protection, and collaboration between private and public sectors in regional communities. We consider these issues with an eye towards the formation of a recycling society.

b) Environmental Governance

Environmental governance is to build institutions or socioeconomic systems to attain a sustainable society. We conduct theoretical analyses of the mutual relation between economic activities and the global environment in order to clarify conditions for sustainable food production and investigate the regional imbalance of food production and its distribution. We also consider the methods for environmental valuation.

c) Economic Evaluation of Resource Use

We examine and evaluate the current states of utilization, conservation and management of all sorts of local resources, especially farm land. For this purpose we use and employ the

principles of resource, environmental, and managerial economics and utilize the techniques of the geographic information system.

d) Activities of NPO/NGO

Associations aimed at public/group benefit will become socioeconomic organizations in charge of our society in the near future. Non-profit organizations in Japan are public-oriented organizations. Private finance initiatives can also appear our society as organizations to supply public services. We study various activities of NPO/NGO and PFI.

A-2. Publications and presentations

a) Publications

Original papers

Takebe, T.: Environmental Governance and Risk Analysis. The Natural Resource Economic Review, Kyoto University, No.11; 101-115, 2005 (in Japanese)

Takebe, T.: Agriculture and GIS. Regional Agricultural Management, No.3; 1-4, 2006 (in Japanese)

Yoshino, A.: An analysis system of market change for marketing organizations of fruits-and-vegetables producers. Journal of the Japanese Agricultural Systems Society, No.21(3); 177-198, 2005 (in Japanese)

Reports

Takebe, T.: Methods of Environmental Governance -- Risk Analysis and SC Analysis -- . Creation of Recycling Systems in Resource Management in Rural Society Close to Nature, Grant-in-Aid for Scientific Research (A)(2) (Kumagai: Research Leader, Takebe: Research Member); 208-230, 2006 (in Japanese)

T. Takebe, A. Yoshino, H. Yamane, S. Minamiguchi and Y. Nakajima: Demand Analysis on Consumer's Food Security. Economic Evaluation on BSE's Risk Management and Optimization; 1-81, 2006 (in Japanese)

b) Conference and seminar papers presented

A. Yoshino, Y. Nakajima, S. Minamiguchi, F. Yamane and H. Takeshita; Report on "Risk Communication on BSE for Consumer", The Agricultural Economics Society of Japan, 2006

F. Yamane, A. Yoshino, Y. Nakajima and S. Minamiguchi; Report on "Covariance structure Analysis on Consumer's Insecurity for BSE's Risk", The Agricultural Economics Society of Japan, 2006

S. Minamiguchi, F. Yamane, Y. Nakajima, A. Yoshino and H. Takeshita; Report on "Welfare Analysis on the Change of BSE Policies", The Agricultural Economics Society of Japan, 2006

Y. Nakajima, F. Yamane, S. Minamiguchi, A. Yoshino and H. Takeshita ; Report on "Economic Value of Risk Information on the Change of BSE Policies", The Agricultural Economics Society of Japan, 2006

A-3. Off-campus activities

Membership in academic societies

Takebe, T.: The Society of Strategic Management for Agricultural and Rural Development (director)

Research grant

Takebe, T., Yosino, A.: Grant-in-Aid for Scientific Research (A) (2) (Matushita, K.: Research Leader), Process of Adjustment of Interests and Making Consensus in Environmental Governance; Research Members, 2003-2006

Takebe, T.: Grant-in-Aid for Scientific Research (A) (2) (Kumagai, H.: Research Leader), Creation of Recycling Systems in Resource Management in Rural Society Close to Nature; Research Members, 2003-2005

B. Educational Activities (2005.4-2006.3)

B-1. On-campus teaching

a) Courses given

Undergraduate level: Environmental Governance (Takebe), Food, Agriculture and Environment in the World; for the Sustainable World (Takebe; partial charge), Agricultural and Environmental Policy (Takebe), Seminar in Agricultural and Environmental Policy I II III (Takebe, Yoshino)

Graduate level: Advanced Agricultural and Environmental Policy I II (Takebe), Seminar in Advanced Agricultural and Environmental Policy I II (Takebe, Yoshino)

B-2. Off-campus teaching, etc.

Part-time lecturer

Yoshino, A. : Doshisya Women's College

2.6.5 Laboratory of Forest Policy and Economics

Staff Professor : Yoshida, Masayuki, Dr. Agric. Sci.

Associate Professor: Kawamura, Makoto, Dr. Agric. Sci.

Students and research fellows

Doctor's Program : (2) Research fellow: (1)

Master's Program : (3)

Undergraduate : (1)

A. Research Activities (2005.4-2006.3)

A-1. Main subjects

a) Analysis of Japan's forestry

The structure of Japan's forestry drastically progressed after the World War II. Today, about 80% of our demand is satisfied by imported timber, and domestic forestry is less competitive even though we have enough forest resources in our own land. The section of forest policy is studying this historic process and its causes, and searching the way to re-establish domestic forestry.

b) Research for externalities of green environment such as forest resources

Non-timber products or public benefits of forest etc. became familiar with the people these days. Many of them used to be realized as externalities cannot be measured in market system

well. Considering that, we are trying to analyze them theoretically and practically as a problem of resource allocation.

c) Research for wood industry system and distribution system

Woods are demanded by a variety of users and allied industries. Pulp and paper industry needs a heavily equipped factories, but timber industry often depends on small mills. Distribution of raw materials and products differs as well. We are researching wood industry system and the market structure of forestry related industry by using econometric models, and analyzing effects of the external conditions and the mechanism of pricing.

d) Input-output analysis of forestry and timber industry

Forestry and timber industry have the characteristics of providing intermediate goods to produce the goods of other industries. We are trying to analyze statistically the status-quo and interrelation of the forestry, timber industry and other industries by using the regional input-output tables, in order to clarify how are the products of the forestry and timber industry demanded and through what industry, and these interdependent relations between sectors and transactions between the industries and the final demand sectors.

e) Comparative study of forestry

It is important for Japan to understand the forestry in North America and Southeast Asia, which are two main sources of imported timber. Our goals of comparative study of these regions and Japan are to find possible ways of sustainable forestry, especially in tropical Asia, and to define the role and responsibility of Japan.

f) Future perspectives of National Forest

Japan has 7.6 million hectares of National Forest, which is about one fifth of total land area. However, it is endangered by financial problems, and restructuring of National Forest managing system is undergoing. As forestry researchers, we believe that the most important point is to ask the public what the National Forest should be in the future and to learn together about it. With studying foreign system of state and national forest or trend of privatization of public forests, we are trying to draw some future perspectives of Japanese National Forest.

g) An econometric analysis on demand, production and import of fruits

Our purpose is to examine how demand, production and import etc. for the fruits changed after the trade liberalization by estimating each function using several kinds of econometric methods and statistics.

A-2. Publications and presentations

a) Publications

Original papers

Nakamura, T, K. Kikuchi, S. Keino, and M. Yoshida: Evaluation of management policy and choice behavior of varieties determining production of fresh pine-apple in Okinawa Prefecture —Using conjoint analysis of choice-type—. *Journal of Rural Problem*, 41(1), 66-71, 2005

Fujino, M. and M. Yoshida: An econometric analysis on afforestation behavior of individual forest owners: in comparison with expansive afforestation and reforestation. *Journal of Rural Problem*, 41(1),88-93, 2005

Katoh, C. and M. Yoshida: An econometric analysis on demand and supply of timber for pulp. *Journal of Rural Problem*, 41(1), 94-99, 2005

Nakamura,T.,K. Kikuchi, S. Keino, and M. Yoshida: The direction of expanding production of fresh pineapples: an approach by the result of the questionnaires for pineapple farmers. Kenkyu-Ronsyu of Kyoei University, 4, 53-70, 2005

Reports

M. Yoshida, Functions of forest in the future, Monthly Nosai, 57 (5), 2005

b) Conference and seminar papers presented

The 55th Conference of the Association for Regional Agricultural and Forestry Economics: 1 Paper

Fujino, M. and M. Yoshida: A Study of the effects those forest owners' forestry activities exert on forest resource management, 97,2005

A-3. Off-campus activities

Membership in academic societies (roles)

Yoshida, M.: The Agricultural Economics Society of Japan (Vice-President), The Association for Regional Agricultural and Forestry Economics (Regular Director), The Japanese Forest Society, The Food System Research Association of Japan, The Japanese Society of Regional and Agricultural Development

Kawamura M.: The Japanese Forest Economic Society (Councilor, Regular Director), The Japanese Forest Society (Councilor.), Japan Society for Impact Assessment, Japanese Institute of Landscape Architecture, The Japan Society for the Comparative Study of Civilization

Research grants

Yoshida, M.: Grant-in-Aid for Scientific Research of Monbusyo (C) (2): Econometric analysis of industry on fruits and fruit trees after trade liberalization in Japan(Chief: Nakamura,T., Co-worker: M. Yoshida)

A-4. International cooperation and overseas activities

International meetings (roles)

Kawamura M.: Mongolian Academy of Sciences and MFF: Conference of Mongolian Forests Regeneration, Mongolia (invitation lecture)

B. Educational Activities (2005.4-2006.3)

B-1. On-campus teaching

a) Courses given

Undergraduate level: Forestry policy (Yoshida), Forestry economics (Kawamura), Seminar in forestry policy I・II・III (Yoshida, Kawamura)

Graduate level: Forestry policy I・II (Yoshida), Forest resources economics (Kawamura), Advanced seminar in forestry policy I・II (Yoshida, Kawamura)

B-2. Off-campus teaching

Part-time lecture

Kawamura M.: Faculty of Agriculture Tottori University (Environmental Impact Assessment, Environmental Law)

C. Other remarks

Yoshida, M.: Member of committee for Liberal Arts Education, Member of committee for A Group of Liberal Arts, Member of working committee for A Group of Liberal Arts, Committee member of educational affairs in the Agricultural Graduate Course, Chairman of the Forest Council in Shiga Prefecture, Chairman of Steering Conference in the Association for Promoting Tree-planting in Shiga Prefecture, Committee member of the Council of Agriculture, Forestry and Fisheries in Osaka Prefecture, Committee member of the Forest Council in Osaka Prefecture

Kawamura M.: The Hyogo Prefecture Conference of the Promotion for Forest, Forestry and Timber Industry (chairman), Committee member of the Research Appraisal in Hyogo Prefecture, Committee member of the Promotion for Nishiharima Forest Plan Area, Committee member of the Ichikawa & Yumesakigawa River basin, Committee member of the Forest Regulation in Kyoto Prefecture

2.6.6 Laboratory of International Rural Development

Staff Associate Professor: Asami Atsuyuki, Dr.(Agriculture)

Instructor : Nakada Yoshiaki, Ms. of Sc.

Students and Research Fellows

Doctor's Program : (8)

Master's Program : (4)

Undergraduate (4th year): (7)

A. Research Activities (2005.1.-2006.3)

A-1. Main subjects

a) Research and survey on international rural and agricultural development problems

The problems related to poverty, hunger, low agricultural productivity and technological improvement, agricultural marketing, trade and policy, population explosion, under employment and migration, limitation of natural resources such as land, soil, water and forest, agricultural credit and rural institution, custom and organization in developing countries are studied with special attention to farm economy, village economy and agricultural sector. The methods in the fields of resource and environmental economics, agricultural development, economic development, international economics, farm management, agricultural policy, and econometrics as well as field and village survey method are used for analyzing those problems, and the ways to solve those problems are sought.

b) Research on international agricultural and forestry cooperation

Theoretical and empirical study on international agricultural and forestry cooperation as an important approach to solve those problems in farm economy, village economy and agricultural sector of the developing countries stated just above and the agricultural and economic problems between Japan and other high income countries on the one hand and the developing countries on the other hand. Economic as well as social, political, institutional, environmental and

technological aspects of official and non governmental agricultural cooperation are studied through economics and institutional economics methods.

c) Research regarding international agricultural, forestry and fishery economies and policy

Population explosion, poverty, agricultural taxation policy, over cultivation and the limits in the natural resource endowments and environmental destruction in the South, i.e. the developing countries, will restrict supply of agricultural, forestry and fishery products and in the long run will lead to the enormous amounts of shortages in these products in these countries. On the other hand, agricultural overprotection, stationary population and food demand satiation in the North, i.e. the high income countries have yielded large amounts of agricultural surpluses that have been exported with export subsidy to the developing countries and have suppressed agricultural prices and the agriculture of these countries. These economic, environmental and political problems concerning agriculture, forestry and fishery in the South and the North countries and between the South and the North are studied by the methods of economics, econometrics and political economy from the view points of international trade and policy regarding agricultural, fishery and forestry products, food aid, national agricultural, fishery and forestry policy, farm economy and rural economy, population policy and natural resources maintenance.

A-2. Publications and presentations

a) Publications

Original Papers

Atsuyuki Asami, Y. Senda, L. Cao, and H. Tsujii “Farm Management Abilities of Farmers and Villages in Rural China: Panel Data Analysis of Profit Function”. *Journal of Rural Economics* Vol.77 No.2, pp67-77, September 2005.

Book Reviews

Atsuyuki Asami, T. Tajima “China’s Rural Economy under Structural Adjustment”, *Journal of Rural Economics* Vol.77 No.4, pp201-202, March 2006.

A-3. Off-campus activities

Membership in academic societies

Atsuyuki Asami: The Association for Regional Agricultural and Forestry Economics (a Standing Director)

Research Grants

Atsuyuki Asami: Monbusho Research Grant; Basic Research(B): “The New Institutional Economic Study on the Farming Institution Design from the Viewpoints of Economy and Practice: focusing on the design adapted for WTO”

A-4. International cooperation and overseas activities

International meetings

Atsuyuki Asami “Industrialization of Agriculture in China ” Depts. Chinese Agriculture, Beijing, 2006 2.

International joint researches and overseas research surveys

Atsuyuki Asami: A study on Reforms of Rural Institutions (China).

Chair of Comparative Agricultural History & Philosophy of Agricultural Science

2.6.7 Laboratory of Comparative Agricultural History

Staff *Professor* : Noda, Kimio, D. Agric. Sci.
 Associate Professor: Adachi, Yoshihiro, D. Agri. Sci.
 Assistant Professor : Ito, Atsushi

Students and research fellows

Doctor's program : (6)

Master's program : (4)

Undergraduate Senior : (9)

Junior : (3)

A. Research Activities (2005.4-2006.3)

A-1. Main subjects

a) Research on farm management history

A farm management is the fundamental unit of agriculture. There are various types in farm managements, from which are formed some social classes of farmers and the regional agricultural structure. Finally it leads to national agriculture bound to the international relationships. The purpose of our study is to make clear the social dynamic process of the farm management leading the agricultural development, especially by focusing on the technical and economic aspects.

b) Comparative study on the land reform in the 20th century.

Based on a mass of studies on both prewar and contemporary Japanese agriculture, we rethink on the historical significance of postwar land reform and "jisaku-nou-taisei", the owner-farmers-system, as a result of land reform in 1946-1950, especially from the viewpoint of the farm management history shown in a).

In addition we are engaged in comparative study on some land reforms in the world and agricultural problems as the results of them, which was performed simultaneously after WW2. The objects of comparison are land reforms in East-Asian (i.e. Japan, China and Korea) and Europe (i.e. East Germany). Structuring a comparative land reform theory could make clear the significance of the Japanese land reform in the modern world agricultural history.

c) Comparative study on the development of Japanese agriculture.

It is a important subject in current social sciences to rethink the paradigm of modernization, which has been regarded as a universal trend effectual even in another non-European countries. Reviewing the results of historical studies on Japanese agriculture and peasant society, furthermore comparing it with another Asian countries, we are now engaged in clearing a characteristic of Japanese agriculture in world agriculture types. Our new framework is based on a comprehensive historical knowledge, different from a once presented hypothesis from a viewpoint of agricultural technology.

d) Study on the agriculture and peasant problems in the war-time-system

It has been often emphasized that further historical study is required on the real conditions of agriculture and rural society in the war-time-system 1937-1945. As is shown in the following

subjects, “technology, production, and farm management in the war-time-system”, “the real situations of rural society under the economic control of the government”, “life and farm of Japanese immigrants in Manchuria”, we research firstly on the influence of the extreme selective economic policy upon the domestic agriculture, secondly on the influence of both the inflation and the economic control of the government upon the rural society, finally on the political and economical position of domestic agriculture and rural society in the “Japanese empire”. Further comparison with German agriculture is well covered in this study, because both Japan and German agriculture in war time is considered to have been in relative common aspects in several points.

e) Research on the German agricultural history in modern-age

In the traditional research on the German agricultural history we cannot find the sufficient explanation of farm labors, hired-men, and foreign seasonal workers, because there is the dominant idea that farmers and landlords had played the important role in the German modern village. From this viewpoint we study now, 1. on the ethnic problems in the rural village which was represented in the polish seasonal labors in the Wilhemine Era, 2. on the farm labor and Nazism in the rural life, and 3. on the relations between the refugees problem and land reform in East and West Germany after the WWII.

A-2. Publications and presentations

a) Publications

Original Papers

NODA, K., A historical base of Agricultural Land Reform in Japan. A Conclusion of a Wartime Farmland Policy, The Natural Resource Economics Review, Kyoto University, 2006, pp.1 - 20,(in Japanese)

NODA, K., Thinking about “Mura” and “Mura-Managed-Agriculture” from the worldwide and historical viewpoint, Agriculture and Economy, vol. 71-5, 2005, pp. 42-50, (in Japanese)

ADACHI, Y., From Land Reform to Collectivization in East German Villages. Mecklenburg - Vorpommern 1945-1961; The Journal of Political Economy and Economic History, No. 188, July 2005, pp. 50-66.

ADACHI, Y., Microhistory of Agricultural Collectivization in East German Villages. Kreis Bad Doberan in Bezirk Rostock 1952-1960; The Natural Resource Economics Review, Kyoto University, 11; 2005, pp. 21-65.

ITO, Atsushi, Youth Corps as Rural Youth Policy. Food Production Corps, Industrial Development Youth Corps and Japan Overseas Cooperation Volunteers, Study of Economic History, Institute for Research in Economic History of Japan, Osaka University of Economics, No 9, 2005, pp. 58-86.

Report

ADACHI, Y., Migrant Workers in California Agriculture. From Great Depression to Postwar Era, in; An International Comparative Research on Wine Industry and Their Socio-economic Conditions, ed. by Oda, Sigeaki, A Final Report of Monbusho Research Grant, 2005, pp. 43-56.

Comments and notes

NODA, K., Comments for Sympojium 2005, The Journal of Agricultural History No.40, March 2006, pp.39-44, (in Japanese)

NODA, K., Concerning Historical Continuity and Discontinuity, The Journal of Agricultural History No.40, March 2006, pp.97-98, (in Japanese)

b) Conference and seminar papers presented

NODA, K., Symposium Comments of “the Society of Agricultural History”, (16 July 2005).

ADACHI, Y., Conference Report of “Study Group of German Contemporary History”, (22 Jan. 2006, in Kyoto).

ITO, A., Conference Report of Academic Conference of “Institute for Research in Economic History of Japan, Osaka University of Economics”, (8 Oct. 2005, in Osaka).

A-3. Off-campus activities

Membership in academic societies (roles)

NODA, K., The Regional Agricultural and Forestry Economics Association (a member of committee), The Society of Agricultural History (a member of committee),

ADACHI, Y., The Regional Agricultural and Forestry Economics Association (a member of committee)

Research Grants

Monbukagakusho Research Grant, Research (C) (ADACHI)

A-4. International co-operations and overseas activities

ADACHI, Y., Research Trip for the Study of Land Reform and Collectivization in East Germany, March 2005

B. Educational Activities (2005.4-2006.3)

B-1. On-campus teaching

a) Courses given

Undergraduate level: Agricultural and Rural History (NODA), Introduction to Food & Environmental Economics (NODA, et al.), Outline of Agricultural Science (NODA, et al.), Science of Biosphere-Life, Food, and Environment (NODA, et al.), Prejudice, Discrimination and Human Rights (NODA, et al.), Social Economic History (ADACHI), Basic Sociology & Economics for Agriculture (ADACHI, et al.), Foreign Food & Environmental Economics II (ADACHI), Seminar in Agricultural History (NODA, ADACHI, ITO),

Graduate level: Comparative Study of Agricultural History I, II (NODA), Comparative Study of Economic History (ADACHI), Advanced Seminar in Comparative Study of Agricultural History (NODA, ADACHI, ITO)

2.6.8 Laboratory of Philosophy of Agricultural Science

Staff Professor : Suehara, Tatsuro, D. Agric. Sci. (Kyoto University)

Associate Professor : Akitsu, Motoki, D. Agric. Sci. (Kyoto University)

Assistant Professor : Oishi, Kazuo, M. Agric.Sci. (Kyoto University)

Student and Research fellows

Doctor's program: (6)

Master's program: (8)

Undergraduate : (6)

Research fellow : (1)

A. Research Activities (2005.4-2006.3)

A-1. Main subjects

a) Philosophical Studies on the Agricultural Sciences

Philosophical, Ethical and Methodological studies on Agriculture and the Agricultural Sciences. We also study on the relationship between agriculture and society.

b) Comparative Study on Modern and Traditional Rural Societies

Comparative studies on socio-economic structure of rural societies from a global perspective, especially transformations under the expansion of economic globalization.

c) Cultural, Historical and Anthropological Studies of Food, Food Production and Food Consumption

Cultural, historical and anthropological studies on food, food production, food distribution and consumption in the community and national levels from a global perspectives.

Studies on food-systems including the relationships agricultural products, marine products, forest products, wholesale systems, retail systems and the consumers.

Studies on the life and value systems of farmers, fishermen and foresters.

A-2. Publications and presentations

a) Publications

Books

Akitsu, M.: New Trend of Rural Youth and Women: From Fated to Selective Life, p.455-477, in "History of Post-war Rural Society" (T. Tabata and M. Ouchi eds.) Nourin Tokei Kyokai, Tokyo (2005)

Original papers

Suehara, T.: Culture, Agricultural Basic Complex and Food (2): Urban Agriculture in Kyoto as a Capital City without *murailles*, Natural Resource Economic Review, vol.11, 161-172, 2006

Suehara, T.: Labor Exchange Systems in D.R.Congo, *Agriculture*, 1470, 75-78, 2005

Suehara, T.: "Yui" and its New Role in the Post-industrial Japanese Society, The 4th International Conference, Rennes, France, 2005 (Online)

Reports and Reviews

Suehara, T.ed.: Methodological and Practical Studies on Agricultural Sciences as a Field Science and Studies on Agriculture from a Cultural Perspective, Report to the Monbukagakusho

Research Grant (B) (1), 1-138, 2006

Suehara, T.: Book Reviews; Dr.Millet goes around Eurasia, by Sakamoto, S., *Agriculture and Economy*, 71-10; 105, 2005

Akitsu, M.: Studying in the Global Standard: The Impression of XI World Congress of Rural Sociology, *Journal of Rural Problems*, The Association for Regional Agricultural and Forestry Economics, 41-2; 26-28, 2005

Akitsu, M.: Book Reviews; Regeneration of Rural Home “Furusato” by Hasegawa, A., Shigeoka, T. and Arahi, Y., *Agriculture and Economy*, 71-7; 120, 2005

A-3. Off-campus activities

Memberships in academic societies (roles)

Suehara, T.: The Association for Regional Agriculture and Forest Economics (director); The International Association for Kyoto Studies (director); Japan Association for African Studies (councilor)

Akitsu, M.: The Japanese Association for Rural Studies (director, chief editor of Annual Bulletin); The Association for Regional Agriculture and Forest Economics (director)

Oishi, K.: The Association for Regional Agriculture and Forest Economics (director)

Research grants

Suehara, T.: Monbukagaku-shou Research Grant (B) (1): Methodological and Practical Studies on Agricultural Sciences as a Field Science and Studies on Agriculture from a Cultural Perspective (Head Investigator: Suehara)

Suehara, T.: the Moral Economy in Africa (Co-researcher: Suehara)

Suehara, T.: Monbukagaku-shou Research Grant: (A) (1): Multidisciplinary Study on Bush Meat in Equatorial Africa(Co-researcher: Suehara T.)

Suehara, T.: Study on the 21st centuries New *Ruralogy*, Toyota Foundation (Co-researcher: Suehara T.)

Akitsu, M.: Monbukagaku-shou Research Grant (A): The Ecological and Environmental History of Hanoi-Yangon Transect (Co-researcher: Akitsu)

Akitsu, M.: Monbukagaku-shou subsidy of “Open Research Center” for Private Universities: Open Research Center for the Study of SATOYAMA and Community Life (Co-researcher: Akitsu)

A-4. International cooperations and overseas activities

International meetings (roles)

Suehara, T.: International meeting “Moral Economy in Eastern Africa”, Kyoto (co-organizer)

Suehara, T.: The 4th International Conference of PEKEA, Rennes, France (speaker)

Suehara, T.: The 2nd International Conference of Moral Economy in Africa, Dar-es-salaam, Tanzania (speaker)

International Joint researches overseas research surveys

Suehara, T.: Methodological and Practical Studies on Agriculture and Agricultural Sciences as a Field Science in Tanzania

Suehara, T.: Field Study on Agriculture and Bushu meat Economy in Cameroon

Suehara, T.: Methodological and Practical Studies on Agriculture and Agricultural Sciences as a Field Science in Netherlands and Belgium

Suehara, T.: Methodological and Practical Studies on Agriculture and Agricultural Sciences as a Field Science in France

Akitsu, M.: The Ecological and Environmental History in Northern Vietnam

Akitsu, M.: The Resource Management and Environmental History in Northern Thailand

B. Educational Activities (2005.4-2006.3)

B-1. On Campus teaching

a) Courses given

Undergraduate Level: Outline of Agricultural Science (Suehara), Philosophy of Agricultural Science (Suehara), History of Economic Thought (Akitsu), Rural Sociology / Special Lecture on Sociology (Akitsu), Foreign Food and Environmental Economics (Akitsu), Seminar in Philosophy of Agricultural Science 1, 2 & 3(Suehara and Akitsu), Proseminar on Environmental Science (Oishi)

Graduate level: Advanced Lecture on Philosophy of Agricultural Science 1, 2 (Suehara), Advanced Lecture on Comparative Study of Rural Sociology / Special Lecture on Sociology (Akitsu), Advanced Seminar on Philosophy of Agricultural Science 1, 2 (Suehara and Akitsu)

B-2. Off-campus teaching

Part-time lecturer

Suehara, T.: Okayama University (Rural Sociology)

Akitsu, M.: Nara Women's University, Kinki University, Kobe University

Public lectures, etc

Akitsu, M.: The 69th Farm Accounting and Management Lectures at Kyoto University (2nd class)

C. Other remarks

Akitsu, M.: Scientific Adviser of Kyoto Prefectural Chamber of Agriculture, Member of Committee for Cultural Landscape in Kyoto Prefecture