

## 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).

58 undergraduate students and 73 graduate students (include 41 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.

*Students and research fellows*  
                 *Doctors program* : (6)  
                 *Masters program* : (8)  
                 *Undergraduate* : (5)

#### A. Research activities (2004.4-2005.3)

##### 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 an coordination system, which is based on the social value judgment of the roles of agriculture and farms in each country, but

also to redefine the market. Through comparative analysis on the 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 conventional family farms at one end and farms dominated by transnational conglomerate groups at the other. It is vital that the disparity in respective management structure, corporate behavior and conditions for their survivals 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 developments of farms require regional agricultural organizations. There are various kinds of regional agricultural organizations including the community-based organizations, collective organizations, agricultural cooperatives and agricultural services, and a number of studies on their contribution to the establishment of regional agricultural system and production center system, have been accumulated.

Person and Management:

Farm organizations are created and run by persons. Not only managerial creed, managerial functions and 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 also culture created through management will be elucidated.

Food System and Social System to Ensure Food Safety:

In order to supply high quality food, farms have now been called for to cooperate not only with consumers but also with affiliated industries which form a food system: food manufacturing industries, wholesalers/ retailers and catering industries. In addition, in these present days of frequent food incidents including those caused by BSE or food poisoning through pathogenic microbes such as O157:H7, it has now been 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 the EU and the US.

b) Individual study:

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

Tsujimura, H.: 1) Studies of food-system/agribusiness based on cases concerning primary commodities (especially coffee) produced in developing countries; 2) Studies of roles of cooperatives played in socio-economic development at rural area in Africa (especially Namibia and Tanzania); 3) Studies of world economic system and North-South problems/economic development/development of rural communities; 4) Studies of sustainability of small scale family farming and impact of fair trade in Tanzania.

## **A-2. Publications and presentations**

### **a) Publications**

#### ***Books***

Niiyama, Y.: Theories of Food-Safety-System Practices, 291, March 2004 (in Japanese)

#### ***Original papers***

Niiyama, Y.: Food Security, Food Safety and Animal Infectious Diseases : BSE in the U.S.A. and Influenza in Asia. *Agriculture and Economy*, 70(4);105-114, April 2004 (in Japanese)

Niiyama, Y.: The History of Grazing in Japan. *Agriculture and Economics*, 70(13); 5-17, October 2004 (in Japanese)

Niiyama, Y.: International Trends on The Policies of Food Safety. *IWANAMI Science*, 75(1); 89-97, December 2004. (in Japanese)

Niiyama, Y.: The Status and Subjects to Secure the Traceability in Food Chain. KOHKO-GEPPPO, Vol.649; 2-7 December 2004. (in Japanese)

Tsujimura, H.: Framework of Food System Study: Issues on Price and Quality of Coffee and Impact of Fair Trade. Bulletin of the Association for Business Administration, Ryukoku University (in Japanese)

## **A-3. Off-campus activities**

### ***Membership in academic societies (roles)***

Niiyama, Y.: The Association for Regional Agricultural and Forestry Economics (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

Niiyama, Y.: Nagai Charitable Trust Fund (Head investigator), 2003-2004

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

## **B. Educational Activities (2004.4-2005.3)**

### **B-1. On-campus teaching**

#### **a) Courses given**

Introduction of World Agriculture and Forestry (Tsujimura), Farm Management (Niiyama), Theory of Agribusiness (Tsujimura), Foreign Food and Environmental Economics (Tsujimura), Seminar in Farm Management (Niiyama, Tsujimura)

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***

Faculty of Foreign Studies, Osaka University of Foreign Studies (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 Student: (4)*

### **A. Research Activities (2004.4-2005.3)**

#### **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**

#### ***Proceedings***

Iba Haruhiko, Kouji Ochiai, Nobuko Ueda, Shigeaki Oda: “Issues and Future Directions for Custom Crush in Japanese Wineries”, Journal of The American Society for Enology and Viticulture, Japan Chapter, Vol.15, No.3, 2004.12

## **A-3. Off-campus activities**

Shigeaki Oda: The Association for Regional Agriculture and Forestry Economics (Director)

## **A-4. International cooperation and overseas activities**

Shigeaki Oda: “Competitive Study of Wine Industry in the World”, U.S.A., France

Iba Haruhiko, Kouji Ochiai, Shigeaki Oda: “Wine Industry in Japan: Production, Distribution, Consumption—What has happened after the wine-boom in 1998 ?—”, General Industrial Poster Session, American Society for Enology and Viticulture, 55th Annual Meeting, 2004.6.30~7.2

## **B. Educational Activities (2004.4-2005.3)**

### **B-1. On-campus teaching**

#### **a) Courses given**

Undergraduate level: Outline of Farm Managerial Information and Accounting Survey (Oda), Method for Farm Management (Oda), Seminar in Farm Managerial Information and Accounting I (Oda), Seminar in Farm Managerial Information and Accounting II (Oda), Seminar in Farm Managerial Information and Accounting III (Oda)

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

#### **b) Thesis titles and supervisors**

#### ***Research student and research stuff***

“Subject of The Farmer”

### **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 68th 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**

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 : (5)*

*Master's Program : (7)*

*Undergraduate    : (7)*

#### **A. Research Activities (2004.4-2005.3)**

##### **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***

Shen J. H.: An Economic Study on Production and Consumption of Soybean in Japan (In Japanese); China Agriculture Press, Beijing, Oct. 2004

#### ***Original Papers***

Kagatsume M.: An Econometric Analysis on the Interrelations among Rural Industries Structure, Agricultural Productivities and Climate Changes in Turkey. The Natural Resource Economics Review, No.10; 49-70, March 2005

Hrabrin Bachev and Kagatsume M.: Governing of Land Supply in Bulgarian Farms. The Natural Resource Economics Review, No.10; 71-94, March 2005

Shen J. H.: Pursue the Reform of China's Education Policies after 1985 : An Analysis on Causes and Measures to the Increasing Education Disparity between Rural and Urban. The Natural Resource Economics Review, No.10; 29-47, March 2005

#### ***Reports***

Kagatsume M.: The strategy for FTA and food safety policy in Australia. Report for the 2003 Research Project on Food and Agricultural Situation in Asia and Pacific Region, 65-96, Japan Association for International Collaboration of Agriculture and Forestry (JAICAF). March, 2004

Kagatsume M.: A regional econometric study of the interactions among climate changes, agricultural supply & demand, and agrienviromental policy. The Interim Report of ICCAP, The Research Project on Impact of Climate Change on Agricultural Production System in Arid Areas (ICCAP), 121-126, March 2004

Kagatsume M.: Impacts of Climate Change on Industrial Structure and Productivities of Rural Industries in Turkey, Project No14360130. Project Leader: Mitoshi YAMAGUCHI, Chapter 7, 91-114, Report for the Science Research Grant B(1) 2002-2004, February, 2005

Kagatsume M.: Conclusion of Australia – USA Free Trade Agreement and Food Agricultural Policy in Australia. Report for the 2004 Research Project on Food and Agricultural Situation in Asia and Pacific Region, 27-52, Japan Association for International Collaboration of Agriculture and Forestry (JAICAF). March, 2005

Kagatsume M.: On the Price Stabilization and Economic Welfare of Grain Reserve Stock Policy, Project No15580198. Project Leader: Nobuhiro SUZUKI, Chapter 2, 31-36, Report for the Science Research Grant C(2) 2003-2004, March, 2005

Kagatsume M.: Conclusion of Australia – USA Free Trade Agreement and Food Agricultural

Policy in Australia, Project No15580198. Project Leader: Nobuhiro SUZUKI, Chapter 3, 37-70, Report for the Science Research Grant C(2) 2003-2004, March, 2005

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

b) Conference and seminar papers presented

Kagatsume, M.: The Strategy for WTO/FTA and Agricultural Commodities Trade in Japan and Korea. Invited presentation for opening session at the Joint Symposium by Japan Association of Agricultural Economics and Korea Association of Agricultural Economics, March 31, 2004

Kagatsume, M.: Long Term Forecasting Methodologies for Impacts of Climate Change on Agricultural Systems, ICCAP Conference, Research Institute of Human and Nature, (At Kanazawa Kokusai Hotel), Mar 18, 2005

Shen J. H.: Pursue the Reform of China's Education Policies after 1985. Presentation at the 3 Annual Conference of the Association for Chinese Economic Studies, Jun. 18, 2004

Shen J. H.: The Responsibility System for Pasture Management, Tragedy of Commons and the Degradation and Desertification of Grassland. Presentation at the 54 Annual Conference of the Association for Regional Agricultural and Forestry Economics, Oct. 24, 2004

### **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 No. 15380150, Project Leader: Masaru Kagatsume, A Project Member : Shen J. H >

### **A-4. International Cooperations and Overseas Activities**

#### ***International joint researches, overseas research surveys***

Kagatsume M.: "International Comparative Study on Promotion of Environmental Friendly Rural Industry and Revitalization of Mountainous Areas under WTO system", (UK), Jan 6-13, 2004

Kagatsume M.: "Adjustment to the Agriculture and Movement of Food Self-sufficiency Rate in Asian Countries including Japan", (Bulgaria), Feb 20-26, 2004

Kagatsume M.: "Study of Impacts of Global Warming on Agricultural Production Structural Change in Arid Zone", (Korea, Australia), March 4-13, 2004



- Kagatsume M.: “International Comparative Study on Promotion of Environment-Friendly Rural Industry and Revitalization of Mountainous Areas under WTO system”, (UK), Mar 15-22, 2004
- Kagatsume M.: “Interdisciplinary Study on Rice Consumption Expansion and Extension Strategy”, (Korea), Jul 21-25, 2004
- Kagatsume M.: “International Comparative Study on Promotion of Environment-Friendly Rural Industry and Revitalization of Mountainous Areas under WTO system”, (China), Aug 5-14, 2004
- Kagatsume M.: “Simulation Analysis and Building of Effectiveness Evaluation Framework of International Grain Reserve Stock Policy”, (Bulgaria), Sep 13-22, 2004
- Kagatsume M.: “International Comparative Study on Promotion of Environment-Friendly Rural Industry and Revitalization of Mountainous Areas under WTO system”, (China), Oct 15-23, 2004
- Kagatsume M.: “Study of Impacts of Global Warming on Agricultural Production System in Semi-Arid Zone”, (Turkey), Nov 19-28, 2004
- Kagatsume M.: “Interdisciplinary Study on World Rice Consumption Expansion and Extension Strategy”, (China), Mar 4-13, 2005

***Invitation of Foreign Researchers***

***JSPS Post Doctoral Fellowship***

***International Conference***

- Kagatsume M.: “An Econometric Analysis on the Interrelations among Rural Industries Structure, Agricultural Productivities and Climate Changes”, ICCAP Project Conference, Research Institute of Human and Nature, Cappadocia, Turkey, Nov 22, 2004

**B. Educational Activities (2004.4-2005.3)**

**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) Indonesia 1, Philippine 1, China 2

(Research Student) China 1, Nigeria 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.*

*Assistant Professor : Yoshino, Akira, D. Agric. Sci.*

*Students and research fellows*

*Doctor's program : (2)                      Research fellow : (1)*

*Master's program : (4)*

*Undergraduate      : (3)*

The following list of research and educational activities includes those of Kota Asano, who assisted the laboratory in both activities. Kota Asano is Dr in Economics and Associate Professor of Graduate School of Global Environmental Studies, Kyoto University.

### **A. Research Activities (2004.4-2005.3)**

#### **A-1. Main subjects**

##### **a) Food, Agricultural and Environmental Policies**

We consider and investigate international coordination in food and agricultural policies and needed adjustments in domestic agricultural policies. We also research theory and practices for sustainable agricultural systems.

##### **b) Economic Evaluation of Resource Use**

We reexamine and evaluate the current states of use, conservation and management of various local resources. For that purpose we employ the principles of resource, environmental, and managerial economics and utilize the techniques of the Geographic Information Systems.

##### **c) Economic Evaluation of Environmental Resources**

We consider and investigate the development of methods for environmental valuation, and stress the actual valuation of environmental resources.

##### **d) Environmental Management**

We investigate the conditions of desirable environmental performance when individual economic actors take environmental management such as ISO14000s using contract theory and theory of economic organization.

## **A-2. Publications and presentations**

### **a) Publications**

#### ***Original papers***

- Takebe, T.: Reformation of Public-service Corporation for Environmental Governance. The Natural Resource Economic Review, Kyoto University, No.10; 15-27, 2005 (in Japanese)
- Asano, K. and M. Watanabe: Consistent Estimation of Mean WTP in Referendum CV. Journal of Rural Economics, Vol. 76, No.3; 180-185, 2004 (in Japanese)
- Matsushita, K., K. Asano and Y. Iiguni: A Tax Charged by Local Government as an Investment to the Social Capital. Papers on Environmental Information Science, No.18; 189-194, 2004 (in Japanese)
- Fujimi, T. and K. Asano: Economic Valuation of Grounwater Conservation Policy by Tank Model. Papers on Environmental Information Science, No.18; 305-308, 2004 (in Japanese)
- Furukawa, R. and K. Asano: The Problem and the Direction of the Rice Terrace Ownership System. Papers on Environmental Information Science, No.18; 337-342, 2004 (in Japanese)
- Ueno, K., A. Yoshino and K. Asano: Verification by the Monte Carlo Experiment of the Inner Validity of the Nonparametric Travel Cost Method. Papers on Environmental Information Science, No. 18; 283-286, 2004 (in Japanese)
- Yamane, F., A. Yoshino, K. Ueno, M. Watanabe and K. Asano: Empirical Examination of the Recreation Site Evaluation by Using Spreadsheet Software. Journal of Rural Planning Association, Vol. 23 special issue, No.6; 13-18, 2004 (in Japanese)
- Ueno, K., A. Yoshino, S. Kitano and K. Asano: Benefit of Use Value Created by Agriculture and Rural Development –Using GIS to Assess Public Projects–. Journal of Rural Planning Association, Vol. 23 special issue, No.6; 157-162, 2004 (in Japanese)
- Yamane, F., A. Yoshino, K. Ueno, S. Kitano and K. Asano: Economic Valuation of Environmental Quality Improvement on a Recreation Site by Using Spreadsheet Software. Papers on Environmental Information Science, No. 18; 277-282, 2004 (in Japanese)
- Kitano, S., A. Yoshino, K. Ueno and K. Asano: Some Issues for Access Cost in Estimating Value of Close Recreation Site. Papers on Environmental Information Science, No. 18; 309-312, 2004 (in Japanese)
- Morinaga, M., A. Yoshino and S. Kitano: Analysis on the Effect of Web Design for Forming Environmental Brand Image: A Case Study on Forestry-Related Corporate Web Sites. Papers on Environmental Information Science, No. 18;471-476, 2004 (in Japanese)
- Yoshino, A., H. Hamada and T. Fujie: A Time-Series on the Economic Impacts of Farming Advisory Business toward Agricultural Cooperatives Management. Journal of Rural Economics Special Issue, 2004 (in Japanese)

#### ***Reports***

- Takebe, T.: Chairperson Greeting and Bibliographical Note / Chairperson Summary, Innovating Regional Agriculture Management by Various Strategic New Techniques. Journal of Strategic Management for Rural Development, No.3; 2-3, 25, 2005 (in Japanese)
- Takebe, T.: Environmental Governance and Risk 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); 2005 (in Japanese)

Yoshino, A.: A Game-Theoretical Analysis on BSE Issues. Social Science Approaches on Risk Management of Food and Agriculture, Policy Research Institute, Ministry of Agriculture, Forestry and Fisheries, 2004 (in Japanese)

b) Conference and seminar papers presented

Takebe, T.: Bibliographical Note and Summary as Chairperson, Innovating Regional Agriculture Management by Various Strategic New Techniques. The Society of Strategic Management for Agriculture and Rural Development; 2005 (in Japanese)

Yoshino, A., H. Hamada and T. Fujie: A Time-Series on the Economic Impacts of Farming Advisory Business toward Agricultural Cooperatives Management, The Agricultural Economic Society of Japan Conference 2004

### **A-3. Off-campus activities**

#### ***Membership in academic societies (roles)***

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

Asano, K.: The Association of Rural Planning (councilor)

#### ***Research grants***

Takebe, T., asano, K., 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., asano, K.: 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 (2004.4-2005.3)**

#### **B-1. On-campus teaching**

a) Courses given

*Undergraduate level:* Agricultural and Environmental Policy (Takebe), Seminar in Agricultural and Environmental Policy I II III (Takebe, Asano, Yoshino), Environmental Policy II AB (Asano)

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

#### **B-2. Off-campus teaching, etc.**

##### ***Part-time lecturer***

Asano, K.: Nara Women University, Kinki University

## 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 : (4)*

*Undergraduate      : (2)*

### A. Research Activities (2004.4-2005.3)

#### 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

### ***Books***

Matsushita, K., Kawamura, M: Roundwood Products. Earth Data Book Book (Hukuoka,K.ed.). 88-92, World Watch Japan, Tokyo, 2004

### ***Original papers***

Nakamura, T., K. Kikuchi, S. Keino, and M. Yoshida: Factors determining sizes of pine-apple farms after trade liberalization in Japan — A quantitative approach using questionnaires for farmers in Okinawa Prefecture —. Journal of Rural Problem, 40(1); 194-199, 2004

Fujino, M. and M. Yoshida: An econometric analysis on afforestation behavior by individual forest owners. Journal of Rural Problem, 40(1); 208-213, 2004

Katoh, C. and M. Yoshida: An econometric analysis of cost structure in the paper industry using translog-type cost function. Journal of Rural Problem, 40(1); 214-219, 2004

Katoh, C. and M. Yoshida: An econometric analysis of production behavior in large-scale pulp and paper enterprises. Forest Economy, 57(7); 1-16, 2004

### ***Reports***

M. Yoshida: Global warming and forest-forestry. Rakuyu-kaihou, Rakuyukai of Kyoto University, 54; 7-13, 2004

K.Kawamura: Strategical reforestation system in Mongolia. International Forest Regeneration Forum in Mongolia, Hyogo Environmental Advancement Association, 93-95, 2004

b) Conference and seminar papers presented

The 54th Conference of the Association for Regional Agricultural and Forestry Economics: 3 Papers

Nakamura, T, K. Kikuchi, S. Keino, and M. Yoshida: An econometric analysis on wishes determining production of fresh pine-apple ; Using conjoint analysis of choice-type. 80, 2004

Fujino, M. and M. Yoshida: An econometric analysis on expansive afforestation behavior of individual forest owners. 88, 2004

Katoh, C. and M. Yoshida: An econometric analysis on demand and supply of pulp wood. 89 ,2004

## **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, The Japanese Forest Society, 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 (2004.4-2005.3)**

**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, Committee member of educational affairs in the Agricultural Graduate Course, 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      Professor                      : Tsujii, Hiroshi, Ph. D.(Univ. of Illinois)*

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

*Assistant Professor : Nakada, Yoshiaki, Ms. of Sc.*

*Students and Research Fellows*

*Doctor's Program                      : (8)*

*Master's Program                      : (3)*

*Undergraduate (4th year): (1)*

### A. Research Activities (2004.4-2005.3)

#### 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**

#### ***Books***

Hiroshi Tsujii, Yoshirou Matsuda, and Atsuyuki Asami ed., “Equality and Efficiency of Chinese Farmers”, Taga Shuppan, pp1-472, 2005

#### ***Original Papers***

Atsuyuki Asami, “Internal Organization of Family Farmers and Farm Service Supplier in Rural China, *The Natural Resource Economics Review* No.9, pp85-98, 2003

Atsuyuki Asami, “Is Market Mechanism Used Efficiently ? ”, *Nogyo to Keizai*, Vol.70, No.8, pp130-137, 2004

Atsuyuki Asami, “Organized Production Area in Rural China”, *Nogyo to Keizai*, Vol.70, No.14, pp30-38, 2004

## **A-3. Off-campus activities**

### ***Membership in academic societies***

Hiroshi Tsujii: Association of Asian Politics and Economics (Councilor).

Asian Society of Agricultural Economists (Councilor),

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

### ***Research grants***

Atsuyuki Asami: Monbusho Research Grant; Basic Research(B): “The Study on Reform of Chinese Rural Institution in 21<sup>st</sup> Century: by Analyzing Micro Data of Rural China”

Atsuyuki Asami: Monbusyo visiting researcher in foreign countries (Dept. of Chinese Agriculture, 2004.3~ 2004.5)

## **A-4. International cooperation and overseas activities**

### ***International meetings***

Atsuyuki Asami “ Comparative Study of Agricultural Development between Japan and China”  
Depts. Chinese Agriculture, Beijing, 2004 5.

### ***International joint researches and overseas research surveys***

Hiroshi Tsujii, Atsuyuki Asami: A survey on sustainable agricultural development in Turkey and agricultural policy (Turkey).

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

## **B. Educational Activities (2004.4-2005.3)**

### **B-1. On-campus teaching**

Undergraduate level: International Rural Development Economics (Tsujii), Seminar in International Rural Development Economics (Tsujii, Asami), Graduation Thesis (Tsujii, Asami), KUINEP Lecture on Rice and Food Economics (Tsujii), Agricultural Development (Asami), Reading of English Literature of Agricultural and Forestry Economics (Asami), Pocket Seminar (Tsujii, Asami).

Graduate level: Advanced International Rural Development Economics (Tsujii), Advanced Seminar on International Development Economics I,II (Tsujii, Asami), International Cooperation in Agricultural and Forestry (Asami)

## **B-2. Off-campus teaching, etc.**

### ***Part-time lecturer***

Hiroshi Tsujii: Dept. of Horticulture & Agriculture, Faculty of Agr., Osaka Pref. Univ. (International Agricultural Trade); Dept. of Agricultural Economics, Faculty of Agr., Shimane University (World Agricultural Trade), Kyoto Education University (Household Economics), Kobe University (International Agricultural Problems).

### ***Public lectures, etc.***

Hiroshi Tsujii: Liberalization of Japanese Rice Sector and Shiga Agriculture, An invited lecture by Shiga Prefecture, January 31, 2003.

Hiroshi Tsujii: The Thin and Unstable World Rice Market and Liberalization of Japanese Rice Sector, An invited lecture for the anniversary meeting of the Association of Doctors of Kyoto City, June 15, 2003.

Hiroshi Tsujii: The Thin and Unstable World Rice Market and Liberalization of Japanese Rice Sector, An invited lecture for the 80th anniversary of Faculty of Agriculture of Kyoto University, October 4, 2003.

Atsuyuki Asami: Public Lectures of Agricultural Economics, Farm Management and Book Keeping (Kyoto University) The Second Class (Farm Management)

## **B-3. Overseas teaching**

### ***Students and research fellows from abroad***

Students: One master course student (China), One doctor course student (Indonesia).

Research fellows: JSPS Long-term Researcher, Dr. Jonnas Chianu (Nigeria)

## **C. Other remarks**

Hiroshi Tsujii: (A Councilor of Kyoto University Library).

(A Member of the Cabinet Research Committee on Japan's Agricultural and Food Problems).

# 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.*

*Students and research fellows*

*Doctor's program            : (6)*

*Master's program           : (6)*

*Undergraduate Senior : (7)*

*Junior : (5)*

### A. Research Activities (2004.4-2005.3)

#### 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

***Books***

Noda, K.(et al.): History of MINAMI-YAMASIRO VILLAGE, 592-645 and 758-773, 2004

Noda, K.(et al.): History of MIYAZU CITY, Vol.2, 625-627, 738-781, 893-928 and 978-990, 2004

Noda, K. (et al.): History of HIKONE CITY (Materials), 9; 584-615,2005

***Original Papers***

Noda, K.: “Organizing” as the Japanese-Modernization. Model of Agriculture, Journal of Rural Problems, The Association for Regional Agricultural and Forestry Economics, 40-4; 4-12, 2005.

Noda,K.; Agricultural-Technique, Production and Farm Household-Economy under the Total-War-Regime, The Journal of Agricultural History, The Agricultural History Society of Japan, 39;2-10, 2005

Adachi, Y.: The Mass Emigration from Agriculture in Post-War East Germany. Mecklenburg-Vorpommern 1952-1955, The Natural Resource Economics Review, Graduate School of Agriculture Kyoto University, 10; 95-129, 2004.

***Book reviews***

Adachi, Y., Fruuchi “The Nazi’s Agricultural Policy, 1934-36; The Inttroduction of Grain Procurement Measures and Occurrence of Food Crises”, Rekishi To Keizai, The Journal of Political Economy and Economic History, 185; 52-54, 2004

***Report***

Adachi, Y., An Empirical Research on the Agricultural Collectivization and the Change of the Village Structure in Post-War East Germany, A Final Report of Monbusho Research Grant, 1-240, March 2005.

b) Conference and seminar papers presented

Noda, K.: Conference Report of Study Group of The Regional Agricultural and Forestry Economics Association, (23.Oct.2004. in Hikone)

Adachi, Y.: Conference Report of Study Group of German Capitalism in Japan (6, June. 2004, in Tokyo).

### **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)(2) (NODA), Historical Study on Organization Process of Japanese Agriculture

Monbukagakusho Research Grant, Research (C)(2) (ADACHI), An Empirical Research on Agricultural Collectivization and Changing of Rural Society in Post-War East Germany, 2002-2004

### **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 (2004.4-2005.3)**

### **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.), Seminar in Agricultural History (NODA, ADACHI),

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)

### **B-2. Off-campus teaching**

#### ***Part-time Lecturer***

Noda, K., Ehime University, Faculty of Agriculture. (Agricultural History)

## 2.6.8 Laboratory of Philosophy of Agricultural Science

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

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

*Student and Research fellows*

*Doctor's program: (5)*

*Master's program: (5)*

*Undergraduate : (5)*

*Research fellow : (1)*

### A. Research Activities (2004.4-2005.3)

#### A-1. Main subjects

##### a) Philosophical Studies on the Agricultural Sciences

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

##### b) Comparative Study of Modern and Traditional Agricultural Societies

Comparative studies of socio-economic structure of agricultural societies from a global perspective, especially comparisons and 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 of food, food production, food distribution and consumption the community and national levels from a global perspectives.

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

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

#### A-2. Publications and presentations

##### a) Publications

###### **Books**

Suehara, T.: Agriculture and Human Beings, Sekaishiso-sha, p.1-297, Kyoto, 2004

Soda, O, and Suehara, T.: The Movement of Fukuoka Diminution on Agricultural Chemicals; From the view point of History of Agricultural Sciences and Agricultural History, p.271-305, in "Agricultural Management and Path-breaking Examples of Community Management, Perspectives on Agrarian Societies in 21<sup>st</sup> Century" (K.Ohara and S.Nakagawa eds.) Nourin Tokei Kyokai, Tokyo (2005)

Suehara, T.: A Japanese Village of Shifting Cultivation, Food Production in Equatorial Africa, p.171, p.459-460, p.584, in "Encyclopedia of Basic Books in Cultural Anthropology", Koubundou, Tokyo (2004)

Oishi, K.: Chapter 2, 4, 6, and the second half of Chapter 7, "YUKIJIRUSHI 100 Stock Purchase Movement - Enterprise Spirit, Corporation Responsibility -". (Yamazaki, Y., Sakakida, M., Oishi, K., Kishi, Y.), p.61-88, p.113-135, p.169-194, p.213-232. SOSHINSHA, Tokyo (2004)

### ***Original papers***

Suehara, T.: Culture, Agricultural Basic Complex and Food (1): A Case Study of *Brassica L.* in Japan, *The Natural Resource Economics Review*, vol.10, p.1-13, 2004

Suehara, T.: What is “a Beautiful Village” ?, *Agriculture and Economics*, vol.70, no.1, p.5-12, 2004

### ***Reports and Reviews***

Suehara, T.: Rethinking on “ Beautiful Villages”, Report of Inter-disciplinary Study for Management of Natural Resource and Environment in Yodo River and Lake Biwa System (3), p.235-246, Kinki University, 2005

Suehara, T.: Book Reviews; African Economics, edited by Kitagawa. K. and Takahashi, M., p.69-71, *Journal of African Studies*, vol.66, 2005

Oishi, K.: Aged Empowerment Produced the Social Movement - The History of Rural Women Network and YUKIJIRUSHI 100 Stock Purchase Movement -, Study on the Change of Japanese Rural Women's Lives and its Impact on Rural community, Monbukagaku-shou Research Grant Report, p.63-86, 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)

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.: Monbukagaku-shou Research Grant (A) (1): the Moral Economy in Africa (Co-researcher: Suehara)

Suehara, T.: Nagai Research Grant: Globalization and Creation of Sustainable Rural Community (Head Investigator: Suehara)

Oishi, K.: Monbukagaku-shou Research Grant: Research (B) (2): Changing Female Life and its Impacts on Region Communities in Rural Areas (Head Investigator: Akitsu, M., Co-researcher: Oishi, K.)

Oishi, K.: Nagai Research Grant: Globalization and Creation of a Sustainable Rural Community (Head Investigator: Suehara, T. , Co-researcher: Oishi, K.)

## **A-4. International cooperations and overseas activities**

### ***International meetings (roles)***

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

### ***International Joint researches overseas research surveys***

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

Suehara, T.: Field Study on Indonesian Moral Economy in Indonesia

## **B. Educational Activities (2004.4-2005.3)**

### **B-1. On Campus teaching**

#### a) Courses given

*Undergraduate Level:* Introduction to Agricultural Science (Suehara), Philosophy of Agricultural Science (Suehara), Seminar on Agricultural Science1, 2 & 3(Suehara), Proseminar on Environmental Science (Oishi)

*Graduate level:* Philosophy of Agricultural Science1, 2 (Suehara), Advanced Seminar on Agricultural Science1, 2 (Suehara)

### **B-2. Off-campus teaching**

#### ***Part-time lecturer***

Suehara,T : Otemae Collage of Nutrition