

2.6.5 Laboratory : Forest Policy and Economics

Member:	Professor	Koichi Kuriyama, D. Agric.Sci
	Associate Professor	Makoto Kawamura, D. Agric.Sci
	Master's Program	4
	Undergraduate	1
	Post-Doctoral fellow	1

A. Research Activities (2009.4-2010.3)

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

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

demand 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.

A-2.Publications and presentations

a) Publications

Books

- Kuriyama, Koichi: Environmental Valuation of Biodiversity. K. Hayashi ed.: Introduction to Economics of Biodiversity and Ecosystem, Chuou Houki, 147-170, January, 2010.
- Kawamura Makoto, N. Sakanoue, T Hasegawa: Revival of Japanese Forestry, T. Iguchi ed. Globalization and Reconstruction of Regional Agriculture and Forestry, Nihon Ringyou chousakai, December, 2009.

Original Papers

- Hoshino, Tadao, and Koichi Kuriyama: Measuring the Benefits of Neighborhood Park Amenities: Application and Comparison of Spatial Hedonic Approaches, Environmental and Resource Economics, Vol.45, No.3, 429-444, 2010, March.

Reviews

- Kawamura Makoto: Management of Forest Commons and Forest Production Cooperative, Memories and Prospects of the Thirty Anniversary at Central Japan Forest Commons: Economic Analysis, Annual Report of Central Japan Forest Commons, vol. 30, March, 2010.

b) Conference and seminar papers presented

- Society for Environmental Economics and Policy Studies (1)
- The Japanese Forest Economic Society (1)
- The Japanese Forest Society (1)
- The Japanese Forest Society Kansai Branch (1)

A-3.Off-campus activities

Membership in academic societies

- Kuriyama, Koichi, D.Agric.Sci : Society for Environmental Economics and Policy Studies (Board of Directors, Program Committee, Editorial Board)
- Kawamura, Makoto, D.Agric.Sci. : Japanese Forest Economic Society (Board of Directors, Council Member), The Japanese Forest Society (Council Member) , IFRO(International Union of Forest Research Organization)

Research grants

1. Grants-in-aid for Scientific Research(KAKENHI)

- 基盤研究(Ｂ) : Kuriyama, Koichi : Environmental Valuation of Recreation Use and Conservation Policy in the World Heritage Site

2.Other Research Grants

- Ministry of Environment, Research of Environmental Economics and Policy : Kuriyama, Koichi : Research of the Integrated Policy using Economic Incentives for Water Policy

B.Educational Activities(2009.4-2010.3)

B-1.On-campus teaching

a) Courses given

- Undergraduate level: Forest policy (Kuriyama)
 Forestry economics (Kawamura)
 Seminar in forestry policy I, II, III (Kuriyama and Kawamura)
- Graduate level : Forest policy I, II (Kuriyama)
 Forest resources economics (Kawamura)
 Advanced seminar in forestry policy I, II (Kuriyama and Kawamura)

B-2.Off-campus teaching etc.Part-time lecturer

- Kuriyama, Koichi: Waseda University, School of Political Science and Economics (Environmental Economics, Seminar)
- Kuriyama, Koichi: Waseda University, Department of Economics (Advanced Seminar)

C.Other Remarks

- Kuriyama, Koichi : Cabinet Secretary, Cabinet Committee of Global Warming (Member of the Taskforce), Ministry of Agriculture, Forestry and Fisheries, Conference of Promoting Biomass Use (Member), The Ministry of Land, Infrastructure and Transport, Committee of Ecological Network (Member), Ministry of Environment, Committee of Roadmap of Environmental Policy on Climate Change (Member of Working Group for Rural Area), Forestry Agency, Committee of Cost-Benefit Analysis (Member)
- Kawamura, Makoto : Ministry of Land, Infrastructure and Transport, Committee member of Forestry Revival through Wooden Housing , Forestry Agency, Committee Member of Forest Policy Investigation