

2.10.3 Laboratory : Food and Agricultural Safety and Ethics

Member : Associate Professor Hosono,Hiromi

Assistant Professor Kudo,Haruyo

A. Research Activities (2009.4-2010.3)

A-1. Main Subjects

a) The food-derived risk management system

In these days, food safety and environmental problems have become international issues and the economic and social globalization adds to the problem. It is now globally recognized that risk management should be based on scientific evidence. And to decide on a policy or regulation, we should compare cost-benefit balance of the options regarding social, cultural and economic factors. In our laboratory, we develop the guidance of risk management (according to planning, decision and evaluation of policy options) and study animal health economics basic to that. We also explore to develop evaluation method of the process of risk analysis.

b) Food, risk and science communication

Owing to the globalization of human activities and application of high technology, the situation around foods become more complex and access of process/quality information become more difficult.

Under this situation, it is essential to formulate common platform among scientists, citizen and administrator to solve food related problems. To enable this, we think not only information provisions, but also interactive communication is necessary. To achieve this, we try to establish concept and method of communication on risk, science, food and agriculture. Owing to the globalization of human activities and application of high technology, the situation around foods become more complex and access of process/quality information become more difficult.

Under this situation, it is essential to formulate common platform among scientists, citizen and administrator to solve food related problems. To enable this, we think not only information provisions, but also interactive communication is necessary. To achieve this, we try to establish concept and method of communication on risk, science, food and agriculture.

c) Agricultural, corporate and professional ethics

High technologies are applied also to agricultural sector, so it is required to establish ethics in

agriculture as in medical science and in engineering.

And in the face of a series of food scandals, we think it is important to consider the ethics of food-businesses, technicians/ professionals in agriculture/livestock industry. We explore and develop the guidance of agricultural, corporate and professional ethics.

A-2.Publications and presentations

a) Publications

Original Papers

- Seroprevalence of *Toxoplasma gondii* in cats and pigs from Thua Thien Hue Province in Vietnam, H. Hosono , S.Ito, H.Kono, X.Xuan, Journal of Veterinary Epidemiology, Vol.13(2), pp.100-106, December 2009
- Detection of *Salmonella* spp. Isolates from Specimens due to Pork Production Chains in Hue City, Vietnam, K. Takeshi, S. Ito, H. Hosono et.al., Journal of Veterinary Medical Science, Vol. 71(4), pp.485-487, April 2009

Reviews

- Consumer's food choice behavior-how consumers cognize and what they want-, H.Hosono, Agriculture and Economics, Vol.75, No.11, October 2009 (in Japanese)
- Hygiene package and GAP in the European Union, H.Kudo, Agriculture and Economics, Vol.76, No.7, June 2010 (in Japanese)
- Policy formation and implementation from the viewpoint of consumers, H.Kudo, Agriculture and Economics, January 2010 (in Japanese)

Reports

- H.Kudo, research trend on comparative analysis about CSR, final report of food safety administration based on science/Establishment of risk analysis, profession and professional ethics, Mar. 2010.
- H.Hosono, A report on animal disease surveillance applied in Denmark and UK, Practical technology development program to drive new policy on agriculture, forestry and fisheries, Mar. 2010
- H.Hosono, H.Kudo, Y.Niiyama, How do you qualify beef? final report of food safety administration based on science/Establishment of risk analysis, profession and professional ethics, Mar. 2010.

b) Conference and seminar papers presented

- The Agricultural Economics Society of Japan: 4presentations

- The Farm Management Society of Japan : 1 presentation
- The Association for Regional Agricultural and Forestry Economics : 1 presentation
- International Symposium on Veterinary Epidemiology and Economics : 2 presentations

A-3. Off-campus activities

Research grants

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

Young Scientists (B) : Hosono, Hiromi : the role of social environmental factors in the prevalence process of animal health policies

Young Scientists (B) : Kudo, Haruyo : a comparative study of consumer policy making process in Japan and Germany

Scientific Research (A) : Niiyama, Yoko (Hosono, Kudo) : Food safety administration based on science/Establishment of risk analysis, profession and professional ethics

2. Other Research Grants

- Sponsored Research Funds (Research on animal infectious disease surveillance in Japan) : Tsutsui, Toshiyuki (Hosono, Hiromi) : Practical technology development project to promote new policy for agriculture, forestry and fishery

A-4. International cooperation and overseas activities

International meetings(country, roles)

- Hosono, Hiromi : International workshop on food safety and public health (Japan, Chair)

International joint research, overseas research surveys

- Animal health surveillance study, study on development of food safety policy (Vietnam)
- Food safety policy research (Germany)

B. Educational Activities(2009.4-2010.3)

B-1. On-campus teaching

a) Courses given

- Undergraduate level: Risk Management (Hosono/Kudo), Food Safety II (Hosono), Food and Agriculture Ethics (Hosono/Kudo)
- Graduate level: Advanced Risk Management I II (Hosono/Kudo)

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

- Kudo,Haruyo: Kyoto Notre Dame University (Food system/consumer education)
- Hosono Hiromi: Gifu University, Doctoral Course of the United Graduate School of Veterinary Sciences (Managing the Food Reraled Risk in South East Asian Countries)

Open lectures, etc.

- Hosono Hiromi: Human Resource Development Program on Food Hygiene, consumer behaviour on food safety/ food safety ethics, Obihiro University of Agriculture and Veterinary Medicine, lecturer

C.Other Remarks

- Hosono, Hiromi : The Council of second central wholesale market in Kyoto City