Appendix 1

地域環境学ネットワーク
設立記念シンポジウム
「地域の環境保全と持続可能な発展に役立つ科学を求めて」

2010年9月18日（土）・19日（日）
会場：大阪学院大学

■9月18日（土）
12:30～ 受付開始：2号館B1-02 前
13:00～18:30 基調講演：シンポジウム第1部：2号館B1-02
18:45～20:45 交流会（会費制）：職員食堂

■9月19日（日）
8:30～ 受付開始：2号館B1-02 前
9:00～10:00 地域環境学ネットワーク総会（会員のみ）：2号館B1-02
10:00～12:00 ポスターセッション：2号館B1フロア
13:00～17:30 シンポジウム第2部：2号館B1-02

主催：地域環境学ネットワーク
http://www2.nagano.ac.jp/sato/network_localscience/index.html
Program (Day 1: September 18)

[Venue]B1-02, Building 2

Opening speech
13:00~13:10  Tadashi Kobayashi (Professor, Osaka University / Deputy Area Director, “Science and technology and human beings” research and development area, Research Institute of Science and Technology for Society, Japan Science and Technology Agency)

Keystone speech
13:10~13:50  Tetsu Sato (Nagano University)
“In search of sciences useful for sustainable development of communities—the Aim of the Local Science Network for Environment and Sustainability”

I have been studying on the biology and evolution of fish in the Lake Tanganyika and the Lake Malawi in East Africa, and on the eco-system evolution through niche construction and interspecies interactions. I am recently interested chiefly in a practical “regional environmental study” to produce the knowledge useful for environmental protection and natural resource management while exploiting the knowledge to contrive measures for environmental protection and community development. My activity field widely ranges from lakes in Africa to the coral reef in the Ishigaki Island and village forests in Nagano Prefecture.

Break  13:50~14:00

Symposium Part 1  14:00~18:30
“What knowledge is useful for communities? — Various Study Visions”

14:00-14:05  Coordinator: Shigeru Yanaka (Tottori University)
“Summary of the symposium”
I study on the decision making process and right relationship over community resources management. I work on environmental (problem) studies from the livelihood perspective with Okinawa, Minamata, and so on as study fields.

14:05-14:40  Hiroaki Niituma (Tohoku University)
“Science for Solution of Problems Appropriate for
I propose EIMY (Energy In My Yard), which is a concept of local consumption of locally produced energy, and am engaged in practical research of EIMY at Yumoto, Tenel Village, Fukushima Prefecture; Kawasaki Town, Miyagi Prefecture; Otari-mura Nagano Prefecture and so on. “Let’s rotate the power generator with wind power and soil power” EIMY Yumoto Project.
14:40-15:15  Yoshimi Higa (Onna-son fishermen’s cooperative)
*Studies in Livelihood—Knowledge

I have been engaged in the development of aquaculture technologies and industrialization for mozuku, sea grapes, and so on at the Onna-son Fishermen’s Cooperative in Okinawa prefecture. I am also involved in environment/ecosystem conservation activities including coral regeneration, acanthaster extermination, and prevention of red earth spilling.

15:15-15:50  Hiroyuki Iida (Yezo Deer Association)
*Convert negative resources to positive resources—solution

I am involved in activities concerning the effective use (eat, use, wear) of Yezo Deer as one of population size control measures for 10 years. I wish to expand my activities in future under the theme of sightseeing and foods using natural resources including Yezo Deer.

15:50-16:25  Susumu Nozaki (Shiki Kobo Ltd.)
"Technological Development through Corporate Activities and Communities—Forestation and Community Development for Small Builders in the Community"

We are a small builder headquartered in Fukushima Prefecture with offices in several prefectures including Tokyo and Miyagi. All of our houses are constructed one by one by carpenters using 100% domestic materials by the AirPass Construction Method with Solar House Certification and finished with lime plaster.

16:25-17:00  Hiroyuki Matsuda (Yokohama National University)  *Visiting researchers and communities—approaches I took to be accepted and used*

I am engaged in studies to present a specific solution for eco-system management by mathematical ecology while functioning as committee members for environmental impact assessment of EXPO 2005 AICHI, Hokkaido Yezo Deer management, Shiretoko/Yakushima World Heritage, and so on. Representative director for the Society for Conservation of Fisheries Resources and Marine Environment.

17:00-17:10  Comment from Tomoya Akimichi (Research Institute for Humanity and Nature)

I am involved in studies on the use and appropriation of community resources, collaborative governance between stakeholders, and resource management. I have also engaged in networking toward the “Construction of Global Environment Repository and Creation of New Knowledge in Wide-area Asia” for five years to strengthen collaborations with institutions of national and private universities in all over Japan. As a part of such efforts, I transmit information through the research journal, “SEEDer.”

17:10-18:30  Panel discussion
Program (Day 2: September 19)

[Venue] B1-02, Building 2  (poster session held on the floor)

Local Science Network for Environment and Sustainability General Assembly (for members only) 9:00-10:00

Poster session  
10:00-12:00
First core time (odd Number)  10:30-11:00
Second core time (Even Number)  11:00-11:30

Lunch time 12:00-13:00

Symposium Part 2  13:00-17:30
“Active Networks in Communities—collaborations beyond the difference in views or sense of values”

13:00-13:05  coordinator: Mayuko Shimizu (Nagano University)
“Summary of the symposium”
I am trained as a useful researcher for communities. I studied the consensus building process by participated in such activities at the new town as community regeneration, regeneration of polluted communities, and the Local Agenda 21.

13:05-13:40  Mahito Kamada (Tokushima University)
“Constant actors involved in the Kamikatsu Satoyama Club”
The theme “How has the human being faced and interacted with the nature? And how has the nature reacted to the human being?” is my work basis. During my eight-year curatorship in the Tokushima Prefectural Museum, I was confronted with a question about the meaning and method of transmitting the study results to the public and of contributing to the community. I feel that my activities in this project are answers to the assignment I was given during my service at the museum.

16:00-16:10  Comment from Koji Nakamura (Kanazawa University)
The “Noto Peninsula Satoyama-Satoumi Nature School” and the “Satoyama Master Education Program,” for which I serve as the chairman of a steering committee, conduct conservation and regeneration of village forests and village beaches, which are close nature for the community people, hands-on learning,
13:40-14:15  Kenji Niwa (Yahagi River Forest Examination Executive Committee)
“Study Networking People—Medical Examination for Forests”
I have been involved in organic farming movement since I was a university student. After having engaged in agriculture, I joined the Ministry of Agriculture, Forestry and Fisheries in 1980. Besides, I was involved in the foundation of the “Asuke Kikori Juku, “Yahagi River System Forest Volunteer Association,” and the “Ise-Mikawa Bioregions Network” after engaging in civil movements for foods and agriculture including a post of director for the “Aichi Association for Foods, Agriculture, and Health of Japan.” At present, I am the representative of the Yahagi River Forest Examination Executive Committee and the representative of the Yahagi River System Forest Volunteer Association. I am engaged in the “Wooden Station Project” at the NPO Yudachiyama Forest School and in hearing and writing activities on mountain villages at the NPO Yamasato Bunka Kenkyukai.

14:15-14:50  Masahito Kamimura (Shiraho Sakana-Waku-Umi Community Conference)
“Catalyst Supporting Regional Activities—Residential Researchers Behind the Scenes”
I am engaged in sustainable community development conducive to coral reef protection at the Ishigaki Island Shiraho Village in Okinawa Prefecture. I am also engaged in activities with the aim of holding the International Stone Tidal Weir Summit to promote the collaboration and exchange among regions with stone tidal weir at home and abroad.

14:50-15:25  Masaru Kanda (NPO Kuroshio Zikkan Center)
“Meaning of Settling—pride and Affection for the Village Beach”
I am engaged in activities to encourage more people to know and improve the sea together with the objective of developing a “village beach” model, in which the people and the sea can coexist, at Kashiwa Island, Kochi Prefecture. We energetically work on such activities as periodical survey on marine environment, leaning through experience to feel nature, eco-tour, construction of spawning bed for bigfin reef squid with thinned branches of Japanese cypress, and so on.

15:25-16:00  Shinichiro Shikakuma (Yaeyama Agriculture, Forestry and Fisheries Promotion Center, Okinawa Prefecture)
“Administrative researcher and community—adviser on useful knowledge and technologies”
I am involved in management of fishery resources and protection of the coral reef ecosystem in the tropical and subtropical zones. Recently, I am interested in MPA (marine protected area) and the village beach. At present, I work as an instructor for proliferation of marine products in the Ishigaki Island, Okinawa Prefecture. I also work as the chairman for the Coral Reef Protection Committee, Japan Coral Reef Society.

16:10-17:25  Panel discussion
### Poster session

**[Venue]** Floor in Building No. 2

Odd No.= First core time, Even No.= second core time

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<tr>
<th>No.</th>
<th>Presenter's name</th>
<th>Affiliation</th>
<th>Title</th>
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<tr>
<td>1</td>
<td>Akira Terabayashi</td>
<td>Researcher at Norinchukin Research Institute Co., Ltd./Graduate School of Letters, Hokkaido University</td>
<td>“TBA”</td>
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<td>2</td>
<td>Koichi Mikami, Kazuaki Takahashi, Daisuke Takahashi, Tetsu Sato</td>
<td>Faculty of Tourism and Environmental Studies, Nagano University</td>
<td>“Possibility of Environmental Monitoring of Satoyama Through Information Infrastructure Development”</td>
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<td>Katsunobu Shirakawa, Kogen No Shizenkan (Iota-Hiroshima Board of Education)</td>
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<td>“Regional Biodiversity Strategy Formed Through the Compensation of Mutual Knowledge by Citizens and Researchers”</td>
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<td>5</td>
<td>Daisuke Takahashi, Yuuki Ide, Kazuaki Takahashi, Koichi Mikami, Hironori Ando, Tetsu Sato</td>
<td>Faculty of Tourism and Environmental Studies, Nagano University</td>
<td>“Effects of Water Areas in Forests on the Improvement of Biodiversity and Ecosystem Services in Satoyama”</td>
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<td>Makiko Sakamoto, Environment &amp; Town Planning</td>
<td>“TBA”</td>
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<td>7</td>
<td>Toshiaki Sawada, Environment &amp; Town Planning</td>
<td>“TBA”</td>
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<td>8</td>
<td>Tadashi Yagi - Yaeyama Fishermen’s Association</td>
<td>“Acanthaster Extermination Activities in Yaeyama”</td>
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<td>9</td>
<td>Naoki Kachi / Shinya Numata, Tokyo Metropolitan University</td>
<td>“Consortium for the Interdisciplinary Study of Human and Nature Symbiosis in Island Systems”</td>
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<td>11</td>
<td>Noboru Kuramoto, School of Agriculture, Meiji University</td>
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<td>12</td>
<td>Tatsuya Kinjo, Hokkaido University Graduate School of Letters Doctoral Course</td>
<td>“Environmental Protection and Diversity of Society in Okinawa’s Yonaguni region”</td>
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<td>13</td>
<td>Maki Iegami, Postgraduate Course, Graduate School of Environmental Studies, Tohoku University</td>
<td>“Society of Kawasaki-Sendai Wood Stove’ that directly connects village forests with wood stove users”</td>
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<td>14</td>
<td>Mitsuhiko Asakawa, Wild Animal Medical Center, Department of Veterinary Medicine, Rakuno Gakuin University</td>
<td>“TBA”</td>
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<td>15</td>
<td>Ryu Ohtani, Advanced Industrial Science and Technology</td>
<td>“TBA”</td>
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<td>16</td>
<td>Masako Watanabe, Naojiro Ota, Mahito Kamada, Toshiaki Sawada</td>
<td>1st Nan National College of Technology / Tokushima University</td>
<td>“Secrets” of collaboration among industry, academia, government, and citizens — Networking Council Based in the South Region as a Model —”</td>
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<td>17</td>
<td>Noboru Tomita, Postgraduate Course, Graduate School of Environmental Studies, Tohoku University</td>
<td>“Mountains, hot springs, people—development of trades and livelihood based on community treasures—“EMY Yumoto Project””</td>
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<td>18</td>
<td>Mayuko Shimizu, Faculty of Tourism and Environmental Studies, Nagano University</td>
<td>“Generate the actors in urban planning—Nishi-Yodo River Transportation Urban Planning Project—”</td>
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Purposes of this meeting

It is often the case in the efforts toward the solution of environmental problems facing the community and sustainable development of the community that various scientific solutions are not always effectively used by the regional people.

This may be attributed to scientists who are apt to produce knowledge that is inconsistent with the tradition or culture inherent in the community, or the conventional decision making system of the community, namely knowledge not usable in the community. Under such a problem consciousness, we have promoted the “Construction of a pragmatic scientist community contributing to stakeholder-driven management of local environment” research & development project since 2008 with the support of the JST Research Institute of Science and Technology for Society in pursuit of the way how sciences ought to produce the “problem-solving” knowledge that are useful for the solution of environmental problems and the sustainable development of communities and how scientists and experts ought to collaborate with various stakeholders in the community.

In addition, we established the “Local Science Network for Environment and Sustainability” in March 2010 as a forum for scientists, experts, and local stakeholders in all over Japan sharing such an awareness of the issues and developed a system to promote the sharing and information and mutual studies concerning the cases in various regions. This time, the Local Science Network for Environment and Sustainability Foundation Symposium will be held with the objective of introducing the vision and significance of the network to many people in commemoration of the establishment of the Local Science Network for Environment and Sustainability.

In Part 1 of the symposium, how the new knowledge production ought to be over the borders of the conventional sciences will be explored in light of the actual condition that the sciences producing the knowledge useful for the people in the community to solve problems are supported not only vocational scientists and experts but also people in various positions through the introduction of cases in all over Japan.

The various people grappling with environmental problems, which communities are faced in the respective regions, form networks engaged in dynamic activities within the communities, where vocational scientists/experts and various knowledge producers are important constituents. In Part 2 of the symposium, a system, which can promote activities toward the solution of problems with such intraregional networks maintaining their centripetal force, will be discussed through advanced cases in various regions.

In addition, a poster session will be held in the morning on the second day to have reports on activities in various communities and deepen the information sharing and exchanges with participants.

We wish to enjoy exchanges very much with people from all over Japan who struggle with the aim of sustainable development of their communities in harmony with the natural environment.

Tetsu Sato, Representative, Local Science Network for Environment and Sustainability
Local Science Network for Environment and Sustainability

Member List (as of September 13, 2010) ★ indicates founders and ● indicates steering committee members.

Tomoyuki Aimachi
Professor, Graduate School of Science & Engineering, Tokyo Metropolitan University

Takayuki Iida
Director, UNI-IAS Operating Unit (Shikawa/Kanazawa)

Hiroyuki Iida
Former Director, Research Division, Hyogo Prefectural Homeland for the Oriental White Stork

Hisashi Ikeda
Instructor, Laboratory of Environmental Systems, Rokuno Gakuen University

Hiroshi Iida
Director, Yezo Deer Association / Director, Hokkaido Slow Food Friends Obihiro

Shinya Iida
Chief of Division of Oriental White Stork and Human Coexistence, Toyko City

Gohel Ueda
Tosabolke Agriculture, Forestry, and Fisheries Office, Hyogo Prefectural Government

Shinobu Uemura
Tosabolke Agriculture, Forestry, and Fisheries Office, Hyogo Prefectural Government

Hisashi Uchida
Researcher, Tohoku Prefecture Fisheries and Marine Technology Research Center

Hiroshi Uno
Associate Professor, Kogoshima University Museum

Yujiro Ochiai
Professor Emeritus, Kogoshima University Museum

Shinya Sakamoto
President, Kameco Coastal Environment Conservation Association

Junichi Sakamoto
President, 21 Zama / Future President of Kameco Natural Conservation and Environment Council / Future President of Zamanicho Chamber of Commerce and Industry

Shinichiro Shikama
P&R section, Division of Agriculture, Forestry and Fisheries, Yaeama Branch, Okinawa Prefecture

Hiroshi Kajihara
Curator, Aio Tanibata Ecomuseum

Naoko Kato
Professor, Graduate School of Science & Engineering, Tokyo Metropolitan University / Chairman, Ogasawara Research Committee / Representative, Consortium for the Interdisciplinary Study of Human and Nature Symbiosis in Island Systems

Ryooji Kamata
Professor, Institute of Social Techno Science / Department of Civil and Environmental Engineering, Tokushima University

Atsushi Kamata
Director, Shishio Sakana-Waku-Umi Community Conference

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Center Director, NPO Urushino Zikkan Center / Center Director / Visiting Associate Professor, Kochi University

Koichiro Kanda
Joint Representative, Yagyu River Forests Researcher's Group / Lecturer, Tokyo University Forest in Ashi

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Shigehisa Kogosho
Green Front Institute Ltd.

Seiji Kondo
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Mitsunobu Sakamoto
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Chief, NPO Shiroyama undo tenkai

Susumu Nishizawa
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Akihito Takahashi
Professor, National Institute of Marine Sciences and Fisheries Science

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Please contact a member of the Steering Committee members to join the Local Science Network for Environment and Sustainability.

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