

The 1st STEPS Collaboration Seminar for Sustainable Environment

The 2nd Collaboration Seminar of Dept. of Nature Management, MSU and
Dept. of Civil Engineering, UT



東京大学
THE UNIVERSITY OF TOKYO



Lomonosov Moscow
State University

Tokyo, Japan, March 23–25, 2015

The 1st STEPS Collaboration Seminar for Sustainable Environment
The 2nd Collaboration Seminar of Dept. of Nature Management, MSU
and Dept. of Civil Engineering, UT

*Steering Committee: NAKAI Yu (co-chair), SLIPENCHUK Mikhail
(co-chair), MAZUROV Yuri, YAMANOUCI Kaoru, KOIKE Toshio,
HATOYAMA Kiichiro*

*Organizing Team: SHATILOVA Valeria (coordinator), SAKUTA Chie,
MIURA Tomoko, KAWANA Hiroko*

Schedule Overview

	23-Mar	24-Mar	25-Mar
8:30	Departure from the hotel	Departure from the hotel	/
9:00	Opening Session	Report session 4 - Earth Environment and Policy -	
9:30	Report session 1 - Environmental Management -	Break	Departure from the hotel
10:00			Laboratory visit in Institute of Industrial Science (IIS), UT
10:30	Break	Report session 5 - Arctic Environment and Policy -	Departure from the IIS
11:00	Poster session		
11:30	Lunch at "Capo PELLICANO" Restaurant in UT campus	Lunch / Moving to Takeshiba Pier	Lunch Meeting for Conclusion and Future Cooperation
12:00		Technical visit - Tokyo Bay, New Tokyo Waterfront Subcenter and Panasonic Center TOKYO -	
12:30	Report session 2 - GIS Technology and Assessment -		Technical visit - Walking in "Yanesen" area, the old town of Tokyo "Shitamachi" -
13:00	Break		
13:30	Report session 3 - New Knowledge of City and Economy -	Dinner	Dinner
14:00	Break		
14:30	Welcome Party at "Blue Clair Seiyoken" Restaurant in UT campus	Dinner	Dinner
15:00	Arrival at the Hotel		
15:30	Arrival at the Hotel	Arrival at the Hotel	
16:00	Arrival at the Hotel	Arrival at the Hotel	
16:30	Arrival at the Hotel	Arrival at the Hotel	
17:00	Arrival at the Hotel	Arrival at the Hotel	
17:30	Arrival at the Hotel	Arrival at the Hotel	
18:00	Arrival at the Hotel	Arrival at the Hotel	
18:30	Arrival at the Hotel	Arrival at the Hotel	
19:00	Arrival at the Hotel	Arrival at the Hotel	
19:30	Arrival at the Hotel	Arrival at the Hotel	
20:00	Arrival at the Hotel	Arrival at the Hotel	
20:30	Arrival at the Hotel	Arrival at the Hotel	

Detailed Schedule

Opening Session

/ Lecture Room #15 in School of Eng. Bldg. 1

Opening remark

Prof. YAMANOUCHI Kaoru Vice-dean of School of Natural Science, UT
Mr. VINOGRADOV Konstantin First secretary at the Russian Embassy in Japan

Keynote speech

Prof. MAZUROV Yuri Professor, Faculty of Geography, MSU
“Cooperation of the leading universities of Russia and Japan for sustainable environment: preconditions, potential and subject fields”

Chairpersons: HATOYAMA Kiichiro (UT) and MAZUROV Yuri (MSU)

Report session 1 ~Environmental Management~

/ Lecture Room #15 in School of Eng. Bldg. 1

Research reports

Prof. ALEKSEEVA Nina Associate Professor, Faculty of Geography, MSU
“Russian science and technology foresight on environmental management”
Prof. KOIKE Toshio Professor, Dept. of Civil Engineering, UT
“Data Integration and Analysis System (DIAS) Contributing to Disaster Risk Deduction & Sustainable Development”
Prof. PAKINA Alla Associate Professor, Faculty of Geography, MSU
“Material flows accounting for analysis of environmental management effectiveness”
Prof. SHIMAMURA Makoto Project Professor, Dept. of Civil Engineering, UT
“Measurement and use of rainfall data for forecasts and warnings of debris flows”

Report session 2 ~GIS Technology and Assessment~

/ Lecture Room #15 in School of Eng. Bldg. 1

Research reports

Prof. SHIBASAKI Ryosuke Professor, Institute of Industrial Sciences, UT
“Big data application to monitor a city for future planning”
Prof. ZENGINA Tatiana Associate Professor, Faculty of Geography, MSU
“GIS technologies in educational programs of the specialists in the field of environmental management (the case of the environmental management department)”
Ms. MERKUSHEVA Olga PhD student, MSU
“Regional policy in Japan on various administrative levels”

Report session 3 ~New Knowledge of City and Economy~

/ Lecture Room #15 in School of Eng. Bldg. 1

Research reports

Ms. IVASHKINA Irina Senior Researcher, Faculty of Geography, MSU

“What kind of a city does the northernmost megapolis tend to be?”

Prof. KIRILLOV Sergey Professor, Faculty of Geography, MSU

“Limitation of economic activity in the Baikal region”

Prof. HATOYAMA Kiichiro Assistant Professor, Dept. of Civil Engineering, UT

“New challenges in public transport system in Japanese depopulated rural areas”

Chairpersons: KATO Hironori (UT) and PAKINA Alla (MSU)

Report session 4 ~Earth Environment and Policy~

/ Lecture Room #14 in School of Eng. Bldg. 1

Research reports

Prof. KURITA Kei Professor, Earthquake Research Institute, UT

“Martian research to understand the Earth”

Prof. TANAKA Hidemi Assistant Professor, Dept. of Earth and Planetary Science, UT

“Fault zone architecture to the depth of seismogenic zone”

Prof. KRASOVSKAYA Tatiana Professor, Faculty of Geography, MSU

“Methodology of ecological buffer territories development in impact zones of the Russian Arctic”

Prof. HIRABAYASHI Yukiko Associate Professor, Institute of Engineering Innovation, UT

“Global modelling of glacier-fed water resources”

Report session 5 ~Arctic Environment and Policy~

/ Lecture Room #14 in School of Eng. Bldg. 1

Research reports

Prof. SERGUNIN Alexander Professor, Faculty of International Relationship, SPbSU

“Russian environmental strategies in the Arctic region: challenges and opportunities”

Mr. USAMI Takeshi Bachelor student, Dept. of Civil Engineering, UT

“Impacts of Introducing the Northern Sea Route on Japan's Macro Economy and Diversification of LNG Import Sources”

Prof. TAKEUCHI Wataru Associate Professor, Institute of Industrial Sciences, UT

“CH₄ emission estimations from biophysical modeling, satellite measurement and inventory data in Siberian natural wetland”

Prof. KOCHUROV Boris Professor, Faculty of Geography, MSU

“Strategy of socio-economic development in the Arctic in the global resource and technological changes and challenges”

Poster session

/ Lecture Room #15 in School of Eng. Bldg. 1 “Mezzanine Flour”

- Prof. EVSEEV Alexander Professor, Faculty of Geography, MSU
“Cesium in the Arctic environment of Russia”
- Prof. PAKINA Alla Associate Professor, Faculty of Geography, MSU
“Landscape planning tools to further improve urban areas”
- Ms. AKYLBEKOVA Indira PhD student, MSU
“Modern problems of the urban greening and ecosystem restoration (the case of Karaganda city, Kazakhstan)”
- Mr. CHISTYAKOV Ilya PhD student, MSU
“Sustainable development of urban transport systems”
- Ms. GOLOVKOVA Svetlana, PhD student, MSU
“Modeling of the landscape environment in the design of urban areas”
- Ms. KLISHINA Alisa PhD student, MSU
“The impact of urbanization on rural land use”
- Mr. MUKHIN Gennadii Senior Researcher, Faculty of Geography, MSU
“The experience of the region natural capital assessment for environmentally sustainable development”
- Mr. NEFEDEV Ivan PhD student, MSU
“Prospects, opportunities and obstacles for ecological, ethnical and agricultural tourism in Buryatia Republic”
- Ms. PANKOVA Elizaveta Ms student, MSU
“Algoindication in the monitoring system of heavy metal pollution of coastal waters of the Black Sea”
- Ms. ZAGRETDINOVA Diliara Ms student, MSU
“Vulnerability of Arctic coastal environments to oil spill impacts”
- Ms. HOLLNAGEL Julia PhD student, UT
“History in open public spaces seen through the citizens eyes”
- Ms. LI Xi PhD student, UT
“Estimation of land surface water coverage with PALSAR and AMSR-E for flood detection on global scale”
- Mr. SAWADA Yohei PhD student, UT
“Towards sustainable water resources management against severe droughts—the case study on drought analysis at an African river basin”
- Ms. SETO Rie PhD student, UT
“Analysis of the atmospheric heating process and its seasonal variation over the Tibetan Plateau using a land data assimilation system”

- Mr. SRITARAPIPAT Tanakorn PhD student, UT
“Assessment of disaster risk and land value areas in Yangon, Myanmar”
- Mr. IKEUCHI Hiroaki Ms student, UT
“Modeling complex water flow of fluvial floods in the Ganges-Brahmaputra-Meghna Delta”
- Mr. KATAYAMA Naoki Ms student, UT
“Dynamic monitoring of people flow using VIIRS day-night band through the case study of Japan and China”
- Mr. MAEDA Hidetoshi Ms student, UT
“A Challenge to apply the Glacier Model to Little Ice Age”
- Ms. MATSUI Kyoko Ms student, UT
“A hydro-meteorological analysis of recent debris flow disasters in Japan”
- Mr. TANABE Satoshi Ms student, UT
“International Freight Transportation Demand Under Improved Border-Crossing Services in Central Asia”
- Mr. TSUNODA Sho Ms student, UT
“Estimation of carbon emissions inferred from peatland subsidence and ground water table estimates in Jambi, Indonesia”
- Mr. YANO Shinichi Ms student, UT
“Development of Evaluation Method for Road Network Connectivity in Disaster Times Considering Route Multiplicity”