

JSPS Core-to-Core Program
FY2014 Implementation Plan (Project No. :23001)

Research Theme Establishment and advancement of Global Meta-Network on Sustainability Science

Duration of Project April 1st,2013~March 31st,2016 (36months)

Core Institution in Japan (Co-Chair) Integrated Research System for Sustainability Science (IR3S)
Today Institutes for Advanced Study (TODIAS)
The University of Tokyo(Kazuhiko Takeuchi Director/Professor)

Implementing Organizations

○ **Japan**

Japan	Core Institution	Integrated Research System for Sustainability Science Today Institutes for Advanced Study The University of Tokyo	
	Co-Chair (name and title)	Kazuhiko Takeuchi, Director/Professor	
	Cooperating Institutions	Institute for the Advanced Study of Sustainability, United Nations University	Number of Cooperating Institutions 1

○ **Partner Countries**

Sweden	Core Institution	University of Stockholm	
	Co-Chair (name and title)	Thomas ELMQVIST,Professor of Stockholm Resilience Centre	
	Cooperating Institutions	Stockholm Resilience Centre, Chalmers University of Technology	Number of Cooperating Institutions 2

U.S	Core Institution	Arizona State University	
	Co-Chair (name and title)	Sander VAN DER LEEUW, Dean/Professor of School of Sustainability	
	Cooperating Institutions	University of Arizona Massachusetts Institute of Technology,University of Hawaii	Number of Cooperating Institutions 3

Italy	Core Institution	Sapienza University of Rome	
	Co-Chair (name and title)	Vincenzo NASO, Professor of Interuniversity Research Centre for Sustainable Development	
	Cooperating Institutions		Number of Cooperating Institutions
			0

France	Core Institution	Aix-Marseille University	
	Co-Chair (name and title)	Jean-Louis ARMAND, Professor of Department of Mechanical Engineering	
	Cooperating Institutions		Number of Cooperating Institutions
			0

Swiss	Core Institution	Swiss Federal Institute of Technology Zurich	
	Co-Chair (name and title)	Gerhard SCHMITT, Senior Vice President(in charge of international affair)/Professor of Department of Architecture	
	Cooperating Institutions		Number of Cooperating Institutions
			0

Objectives of Research Exchange (including the five years after the project finishes)

The objective of this international research is to develop a meta-network on Sustainability Science through conference organization, journal development, and joint research projects among member countries. The activities will be supported through foundation of International Society on Sustainability Science (ISSS), led by the University of Tokyo, and planning to expand the network to promote Sustainability Science beyond member countries.

Results to the present

The International Conference on Sustainability Science (ICSS) was held at Marseille, France with a strong leadership by Aix Marseille University. Sustainability Science journal was successfully amended and published by Springer. We are happy to inform that Impact Factor of the journal is now 2.8, which is the highest value since the establishment of the journal. Joint research on Sustainability Science was achieved through organizing ICSS. Numbers of discussions were held in order to design conferences and the results of the conference will be published in Sustainability Science and a special volume. On the other hand, ICSS had organized a student session for the member schools, which was an excellent platform for the students. However, the student involvement to this program is extremely important.

As a part of ICSS had a symposium in France, discusses the issues, concepts, approaches and methodologies of sustainability science to reframe it within the broad political process, and then to explore ways to strengthen international collaboration for enhancing the science–policy–society interface, which was held at UNESCO headquarter.

Summary of FY 2014 Exchange Plan

Joint Research

In order to expand the network of Sustainability Science, encourage developing nations to participate activities, collaboration with Future Earth initiative and carbon-credit-related activities will be planning to promote social innovations through Sustainability Science approach. Such activities will be reported in ICSS and journal. Particularly, planning of ICSS program will be jointly developed with member countries.

Seminar

International Conference of Sustainability Science (ICSS) will be held on January, 2015 at the United Nations University, Tokyo. The main themes of this conference will be sustainability and resilience. The conference includes two-day specialists' seminar and one-day open symposium.

Results of the joint activities will be presented in International Association of Research Universities (IARU).

Researcher Exchanges Program

Long-term exchange program will be organized between Sweden on sustainable environmental research.