

International Seminar for Celebrating MOU between IIASA and KU

**“Building bridges through Policy and Science of
Climate Change Adaptation and Ecosystem
Services”**

Date: 27 October 2014

Time: 09:30 – 17:00

Place: Multi-Media Hall, Hana Square, Korea University, Seoul

Organized by : BK21Plus Eco-Leader Education Center (ELEC) for wise adaptation to climate and environment changes
Korea Forest Research Institute (KFRI)
International Institute for Applied Systems Analysis, Ecosystems Services and Management Program (IIASA – ESM)

Hosted by : Environmental GIS/RS Center,
Department of Climate Environment
Korea Environmental Institute (KEI)

Supported by : Institute of Environment and Ecology
Department of Environmental Science & Ecological Engineering



BK21플러스+



Invitation

“Climate Change” is being recognized as an inevitable issue for humankind that needs to be addressed and tackled by our global society. Currently, the world that we are living is experiencing unbalances as well as development in nature and economy. “Wise adaptation” to climate change is increasingly being recognized as of main importance to mitigate unbalances and promote sustainable development. Global collaboration and joint developments is also recognized as the key issue to reach pathways that provide long-term sustainable solutions.

Wise adaptation can be realized through enhancing “Ecosystem Services” of the natural assets that we have. Of key importance for Korea is the forest which roughly covers 65% of the national land area.

The Korea University BK21Plus-ELEC (BK21Plus Eco-leader Education Center for Wise Climate Change Adaptation in Division of Environmental Science and Ecological Engineering of Korea University) is a center supported by the Ministry of Education in Korea. It aims to promote capacity building of graduate students in terms of research, globalization, and leadership in the field of climate change adaptation.

IIASA - ESM (International Institute for Applied Systems Analysis – department of Ecosystems Services and Management Program) aims to improve our understanding of ecosystems in today’s changing world—in particular, the current state of ecosystems, and their ecological thresholds and buffering capacities. The strategic goal of the ESM department is to support policy makers in developing rational, realistic and science-based regional, national and global strategies for the production of food, feed, fiber, and bio-energy that sustain ecosystem services and safeguard food security.

KFRI (Korea Forest Research Institute) is a leading institute pursuing sustainable society,

promoting green welfare and satisfying all the Korean people through the benefits of forest. Over the years, KFRI has played a significant role in developing forest science in Korea. In particular, it celebrated the 90th anniversary in 2012 and presented a brand-new vision of “with the review of the past, solve the problems of the present and prepare for the future”, reaffirming our commitment and preparing for another leap forward.

BK21Plus-ELEC, IIASA-ESM, and KFRI will together hold an international seminar aiming to improve our mutual understanding of the research areas as stated above. We together hope to find ways to collaborate in terms of research and education in realizing and promoting sustainable developments through wise adaptation to climate change and enhancements of ecosystem services.

For celebrating MOU, be signed on 27th October 2014, between IIASA and Korea University, we cordially invite you to this international seminar. We hope will all out heart that you will enjoy the presentations and following discussions.

October 16, 2014

Dr. Young-Kyoon YOON, Director of KFRI

Prof. Pavel KABAT, Director General & Chief Executive Officer of IIASA

Dr. Florian KRAXNER, Deputy Director, ESM

Prof. Woo-Kyun LEE, Director of BK21Plus-ELEC

Program

09:30-10:00	Registration
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Opening Ceremony (Moderator: Prof. J. Jung, Korea University, Korea)

10:20-10:30	Opening Remarks by Director of BK21Plus-ELEC
10:30-10:40	Welcome Remarks by Director of Korea Forest Research Institute

1st session: Adaptation to Climate Change with Balancing Carbon Flux in Forest Resources (Moderator: Dr. F. Kraxner, International Institute for Applied Systems Analysis - IIASA, Austria)

10:40-11:10	Current methodologies of full verified carbon account of forest ecosystems: lessons from research of Forests of Northern Eurasia Dr. A. Shvidenko (International Institute for Applied Systems Analysis, Austria)
11:10-11:40	Korea's GHG mitigation efforts in forest sector Dr. H. Park (Korea Forest Research Institute, Korea)
11:40-12:10	IIASA's Global Forestry Model and its application for Korea Dr. N. Forsell (International Institute for Applied Systems Analysis, Austria) Mr. M. Kim (Korea University, Korea)
12:10-12:30	Discussion
12:40-14:00	Lunch Break

14:00~14:30 MOU Signature Ceremony (President's Office) Between IIASA and Korea University

2nd session: Balancing Ecosystem Services of Natural Assets (Moderator: Prof. S. Hyun, Korea University, Korea)

14:20-14:50	Enhancing ecosystem services through rehabilitation of the Aral Sea Prof. Y. Son (Korea University, Korea)
14:50-15:20	Past, present and future study of ecosystem services in Korea Dr. S.W. Jeon (Korea Environment Institute, Korea)
15:20-15:40	Refreshment Break
15:40-15:50	Remark by Prof. Dr. P. Kabat Director General & Chief Executive Officer of International Institute for Applied Systems Analysis
15:50-16:10	Land use scenarios and ecosystem services Dr. Y. Yamagata (National Institute for Environmental Science, Japan)
16:10-16:30	IIASA's ESM and its multi-scale ecosystem services research Dr. F. Kraxner (International Institute for Applied Systems Analysis, Austria)
16:30-17:00	Discussion Moderator: Prof. Y. Son (Korea University, Korea) How can be collaborated for climate change and ecosystem services? Prof. W.K. Lee (Korea University, Korea)
17:30-20:00	Banquet