

Curriculum Vitae

LEE, Myung Kyoon

Aug. 2018

Name LEE, Myung Kyoon

Address UNEP DTU Partnership
Marmorvej 51
2100 Copenhagen Ø, Denmark

Contact Number Phone: 45-4533-5244
Email: mkle@dtu.dk, myecosys@gmail.com

Nationality Korea

Date of Birth March 3 1964

Employer UNEP DTU Partnership

Education

Brown University, USA
Ph.D., July 1995.05.29, Economics (1990.09.01 – 1995.05.29)
A.M., May 1990.05.28, Economics (1988.09.01 – 1990.05.28)
Seoul National University (1983.03.01 – 1988.02.26), Korea
B.A., February 1988.02.26, Economics

Ph.D. Thesis Essays in the Economics of Global Warming

Areas of Concentration

Environmental Economics, Resource Economics, Applied Microeconomics

Honors and Awards

Magna Cum Laude, Seoul National University, 1988
Award by Minister of Foreign Affairs of the Republic of Korea, Dec. 2012
Listed in The Marquis Who's Who in the World, the 33rd Edition, 2016

Professional Experiences

Senior Economist, UNEP DTU Partnership, Jul. 2018 -
Visiting Senior Fellow, Korea Development Institute, Jan. 2017 - Jun. 2018
Director, Knowledge Services Department, GGGI, Jul. 2013 – Dec. 2016
Director, Country Programme Division, the Global Green Growth Institute, Mar. 2011 – Jun. 2013
Assistant Professor, Keimyung University, September 01, 2005 – February 28, 2015
Senior Economist, UNEP Risoe Centre on Energy, Climate, and Sustainable Development, Jul. 01, 2000 – August 31, 2005
Senior Research Fellow, Korea Environment Institute, Oct. 01, 1999 – Jun. 23, 2000
Director, Environmental Research Division, LG Environment, Safety, Health Research Institute, Apr. 01, 1999 – Sep. 30, 1999

Director, Environmental Research Division, LG Economic Research Institute,
Oct. 09, 1995 – Mar. 31, 1999

Research Fellow, Energy/Environment Policy Team, Korea Energy Economics
Institute, Dec. 12, 1994 - Sep. 30, 1995

Teaching Assistant, Dep. of Economics, Brown University, 1988 – 1992

Other Experiences

Vice President, The Korean Society of Climate Change Research, Jan. 2017 –
Dec. 2018

Board member, Korea Environmental Policy & Administration Society, 2015 –

Member of Editorial Board, Journal of Environmental Policy and
Administration, 2015 -

Lead Author, IPCC the 5th Assessment Report, Working Group 3, May 2010 -
2015

Korean National Delegate, the 1st, 2nd, 4th, 5th, 11th, 12th, 14th, 15th, 16th, 18th
Conference of the Parties (COP) and other subsidiary body (SB) meetings of
UNFCCC

UNEP Delegate, the 6th, 7th, 8th, 9th, 10th COPs and SB meetings of UNFCCC

Member of Experts Pool, Energy and Environment Division, Ministry of
Finance and Economy, Korea, 1999

Member of Working Group for the Reduction of Industrial Wastes, Ministry of
the Environment, Korea, 1997

Member of Experts Group for Tradable Emission Permit, Ministry of
the Environment, Korea, Mar. 1998 – Jun. 2000

Member of Experts Group for Energy & Industry Response Team, Ministry of
Commerce, Industry, and Energy, Korea, Mar. 1998 – Jun. 2000

Member of Experts Group for International Emission Trading, Ministry of
Commerce, Industry, and Energy, and Ministry of the Environment, Korea,
Jan. 1999 – Jun. 2000

Member of Experts Group for the Climate Change Convention,
Office of the Prime Minister, Korea, Mar. 1998 – Jun. 2000

Member of Experts Group for CDM/JI, Ministry of Commerce, Industry, and
Energy, and Ministry of the Environment, Korea, Jan. 1999 – Jun. 2000

Member of Experts Group for Environmental Performance Evaluation, National
Technology and Quality Institute, May 1998 – Jun. 2000

Adviser to “Response Team to the Climate Change Convention” of Korea
Energy Management Corporation, Jan. 1999 – Jun. 2000

Member of Advisory Board to the Minister of Knowledge Economy of Korea,
Dec. 2009 – Dec. 2011

Member of Climate Change Advisory Board to the Ministry of Environment
Jun. 2008 – Jun. 2010

Member of Central Environmental Policy Committee, Ministry of Environment,
Apr. 2011 – Apr. 2013

Vice President, the Korean Society of Climate Change Research, Jan. 2011 – Dec.
2012

Member of Executive Committee, Climate Change Forum, National Assembly,
Mar. 2013 – present

Member of Advisory Board, Incheon Green Climate Forum, Nov. 2014 – Nov.
2016

Member of Research Review and Coordination Committee, Korea Environment
Institute, Oct. 2014 – Oct. 2016

Publication

1. Korea's Green Growth Strategies as a New Paradigm for Development, co-authored with Yvo de Boer, a book chapter in "Korea's Green Growth 1.0 – Policy Strategies, Achievements, and Reform Agenda for Green Growth 2.2," edited by Soogil Young, Dec. 2017, KDI School, Korea
2. The Economic Impacts of the Coastal Wetland Management: the Case of Suncheon Bay Wetland, co-authored with Minsup Hwang, The Journal of the Korean Regional Development Association, Vol 29, No. 1, pp. 137 – 152, Apr. 2017, The Korean Regional Development Association
3. Developing a Tool to Assess Green Growth Potential at a National Level, co-authored by Yong Sung Kim and Myung Kyoon Lee, Korea and the World Economy, Vol. 18, No. S1, pp. 47 – 82, Feb. 2017. The Association of Korean Economic Studies
4. Introduction to Climate Change and Greenhouse Gas Regulations, co-authored by Myung Kyoon Lee and Chongsik Shin, published by Shingwang Publishing Company, 2015
5. Economic Interpretations of Ecosystem Services, Dong Geun Lee, Myung Kyoon Lee, Tae Yong Jung, published by Bomundang, 2014
6. The Economic Valuation of Ecosystem Restoration in Suncheon Bay, Minsup Hwang, Myung Kyoon Lee, Tae Young Jung, Journal of the Korea Society of Environmental Restoration Technology, Vol.17, No. 4, pp.55~65, Aug. 2014
7. A study on the Impact of the Changes in International Emissions Trading Market on Non-CO2 CDM Projects, with Eungkyoon Lee and Minsup Hwang, Environmental and Resource Economics Review, Vol. 23, No. 2, pp. 157~185, Jun. 2014
8. The Potential Role of Boundary Organizations in the Climate Regime, together with Eugnkyoon Lee and Chan Su Jung, *Environmental Science and Policy*, Vol. 36, pp.24-36, 2014.
9. Addressing the Emissions Gap through Green Growth, together with Inhee Chung and Dyana Mardon, in a report "Elements of a New Climate Agreement by 2015" by UNEP, and GGGI, June 2013
10. Climate negotiations: how to break the impasse and deliver, with Juan Zak, a chapter in a book "Post-2020 Climate Change Regime Formation" edited by Suh-Yong Chung, pp92-111, Routledge, 2013
11. Climate Change Mitigation Policy Paradigms – national objectives and alignments, *Mitigation and Adaptation Strategies for Global Change*, published

on-line on 03 October 2012, Springer.

12. The Role of Government in Facilitating Firms' Participation in International Carbon Markets: A Study on Assessing the Proper Value of KCERC in Comparison with International Carbon Credits, the 1st author, Vol.17, No. 3, pp. 213-236, Journal of Governmental Studies, Dec. 2011
13. Cooperative Mechanisms for Mitigation, a chapter in a book "Green Growth: Climate Change", Green Forum 2010 Volume 3, pp.120-161, March 2011, National Research Council for Economics, Humanities, and Social Sciences of Korea, Random House.
14. Success Factors for Capacity Building Activities: Lessons from CD4CDM, Journal of Energy & Climate Change, Vol. 5, No. 2, Oct. 2010
15. Developing an Index of Climate Competitiveness: Measuring the Corporate Readiness to Address Climate Challenges, Environmental and Resource Economics Review, Vol. 19, No. 2, June 2010
16. Energy Efficiency and Renewable Energy Policies in Korea: Implications for Post-2012 Climate Regime, mimeo, 2010
17. Economic Feasibility of LFG generation in small scale waste disposal sites, Vol. 4, No. 2, pp. 88 – 98, Journal of Energy and Climate Change, Oct. 2009
18. Economic Analysis on a PV system in an apartment complex, mimeo, May 2009
19. Developing Korean Industry Climate Change Index, a policy report funded by Korea Energy Management Corporation, December 2008
20. Impacts by Climate Change from Human-Ecological and Industrial points of view, Korean Studies Journal, Vol.36, pp.91-138, June 2008
21. Developing methodologies for domestic GHG emissions reduction projects, a policy report funded by the Ministry of Commerce, Industry, and Energy, October 2007
22. Case studies of CC policies and strategies of selected Annex I countries, a policy report funded by the Ministry of Environment, September 2007
23. Economic valuation of "Community Forest" by Contingent Valuation Method, co-authored with Dong-Soon Lim, Korean Studies Journal, Vol. 33, Dec. 2006
24. A roadmap for establishing the national GHG inventory system, a policy report funded by the Office of the Prime Minister, Dec. 2006
25. The Roles of DNA to promote the CDM in Korea, a policy report funded by the Office of the Prime Minister, Dec. 2005
26. Baseline Methodologies for Clean Development Mechanism Projects, editor,

November 2005, UNEP

27. Reviewing Tax System and Its Reform Plan for the Fuel Market in South Korea, Energy Policy 33, pp. 475-482, 2005
28. Danish Green Certificate Scheme, a chapter with Poul Erik Morthorst in “Domestic Greenhouse Gas Emissions Trading Schemes” KEI policy report WO-04, Dec. 2003, KEI
29. CDM Information and Guidebook, editor, Dec. 2003, UNEP
30. Promoting energy efficiency financing and ESCOs in developing countries: experiences from Korean ESCO business, Journal of Cleaner Production, Volume 11, Issue 6, September 2003, Pages 651-657, co-authored with Hyuna Park, Jonghwan Noh, and J. Painuly
31. Promoting energy efficiency financing and ESCOs in developing countries: mechanisms and barriers, Journal of Cleaner Production, Volume 11, Issue 6, September 2003, Pages 659-665, co-authored with J. P. Painuly, Hyuna Park, and Jonghwan Noh
32. Capacity Building for CDM involving Developing Countries in combating climate change, with Romeo Pacudan, in Asia Pacific Tech Monitor, Mar-Apr 2003
33. Overview of the CDM Market and CER Prices, with Romeo Pacudan, in Responding to Climate Change, Dec. 2003
34. Energy Subsidies in Korea in a book “Energy Subsidies” by UNEP and IEA, June 2003, Paris
35. The Roles of Capacity Building and Technology Transfer in the Clean Development Mechanism, co-authored with Toufiq A. Siddiqi, GEE-21 Discussion Paper 2001/1, October 2001
36. Rethinking Energy Security in East Asia, Ch. IV South Korea, edited by Paul Stares, Japan Center for International Exchange, Nov. 2000
37. A Feasibility Study to Reduce GHG emissions through the CDM in Korea, a project report for Korean Ministry of Environment, Mar. 2000
38. Outlook of Primary Energy Market and Energy Security: The Republic of Korea, presented at the Second Asia Energy Security Roundtable, sponsored by MITI, Japan and Petroleum Energy Center, Hotel New Otany, May 1999
39. The Impacts of the Climate Convention on Local Economy and Guide to Local Energy Policies, presented at Local Energy Policies Forum, sponsored by Kwangju-city, April 1999
40. The Economic Impacts of Abnormal Climate, presented at the Workshop for

- Abnormal Climate, sponsored by Korea Meteorology Agency, March 1999
41. Comprehensive Report on Emission Trading System, co-authored, Korea Environment Institute, December 1998
 42. International Emission Trading of Greenhouse Gases, presented at the Expert Meeting for Emission Trading System, sponsored by Ministry of the environment of Korea, November 1998
 43. Greenhouse Gas Emission Reduction and the Korean Economy, co-authored with S. Chung, LG Economic Research Institute, Nov. 1998
 44. Economic Impacts of Food Crisis due to Climatic Disaster, co-authored with S. Chung, LG Economic Research Institute, Oct. 1998
 45. “ Economic Impacts of Global Warming”, Korea Journal of Resource Economics, March 1998

 46. The Climate Convention and the Korean Economy, co-authored with S. Chung, LG Economic Research Institute, November 1997
 47. The Harmonization of the Environment and Economy, presented at 1997 International Media Conference on the Environment and Development, June 1997
 48. “Fuel Quality, Air Quality, and Energy Markets in Korea”, co-authored with Dr. Hoesung Lee, presented at the 3rd IEA Experts Meeting in Paris, April 1995
 49. National Report for the Implementation of United Nation’s Framework Convention on Climate Change, Special Policy Report, Korea Energy Economics Institute, June 1995
 50. Global Warming: Its Impacts and Policy Implications, Special Report, Korea Energy Economics Institute, 1995
 51. National Report for UNFCCC and Response Strategies, co-authored, Korea Energy Economics Institute, December 1995
 52. Kangwon Province Local Energy Plan, Project Report, Korea Energy Economics Institute, Feb. 1996
 53. Kyunggi Province Local Energy Plan, Project Report, Korea Energy Economics Institute, Aug. 1996
 54. Essays in the Economics of Global Warming, Ph.D. Dissertation at Brown University, May 1995
 55. Futures Markets and Price Volatility: A Survey, Brown University, 1990, mimeo.

References

Professor Hoesung Lee

Chair, Intergovernmental Panel on Climate Change

Chair professor, Green School, Korea University

A former President, International Association of Energy Economics

A former President, Korea Energy Economics Institute

Tel. +82-10-5526-5370

Email: hoesung@korea.ac.kr, hoesung@unitel.co.kr

Professor In Hwan Kim

Legal & Policy Adviser

Department of Legal Affairs

Ministry of Natural Resources and Environment, Viet Nam

A former vice Minister of Ministry of Environment, Korea

A former Dean of College of Environment, Keimyung University, Korea

Tel. +84-16-4495-3869

Email: ihkim42@gmail.com

Professor Talbot Page

Dep. of Economics, Brown University, Providence, RI 02912

Tel. 1-401-863-1988

Email: talbot_page@brown.edu

Employment History

Jan. 2017 – present, Korea Development Institute

The KDI is a leading state-owned think-tank which has significantly contributed to the economic development of Korea in the past half a century. As the research needs for energy and climate change has increased, the KDI wants to expand its research portfolio to include energy, climate, and environment. I am working to meet the KDI's research needs currently as the only one but want to establish a team to work on energy, climate, and environment.

My current research project is “Analysis on Coherence among the Various Government Plans related to the Transition to a Low-carbon Economy” which is to examine the coherence and governance of the mid-to-long term plans of government ministries and

agencies involved with GHG emissions and reduction plan by 2030.

Mar. 2011 – Dec. 2016, Global Green Growth Institute

GGGI is a new kind of international organization: interdisciplinary, multi-stakeholder and driven by like-minded countries for green growth. Formed by several forward-thinking governments and other actors, its mission is to transform a conventional growth into a new paradigm of green growth which achieves environmental sustainability and economic performance at the same time. In the first two years and a half, as the director of Country Program, my main duty was to initiate new country projects, oversee and advise implementation, and monitor the progress. The country programs are mainly categorized as three groups: national level green growth planning; sectoral level green growth analysis and planning; subnational level green growth analysis and planning. I also conduct donor consultations for initial funding and feedback. The country programs I had been supervising include Kazakhstan, UAE, Mongolia, China, Cambodia, Viet Nam, the Philippines, Thailand, Mekong River Basin, Central Asia, and Rwanda.

In the recent two years and a half, I moved to the director of Knowledge Services and have been leading research and technical assistance to partner countries. One example is “Global Green Growth: Clean Energy Industrial Investments and Expanding Job Opportunities” conducted together with UNIDO and its key questions are:

- Will current ‘green growth’ efforts towards low-carbon resource-efficient industrial development lead to the sustained generation of new jobs?
- How to build a green global economy that is also a high-productivity economy?
- Through which paths will the building of a green economy also create an abundance of decent employment opportunities?

Another flagship research is “Green Growth Potential Assessment” which assesses a country’s potential for green growth by comparing 25 indicators with those of peer countries.

Sep. 2005 – Feb. 2011, Keimyung University

I was appointed as a faculty of college of environment, Keimyung University in Daegu, Korea in September 2005. My teaching and research interests are environmental economics, energy and environmental policy, climate change and sustainable development.

Besides teaching, I had carried out various government-funded research projects in the areas of energy policies and climate change from different ministries and government agencies such as Prime Minister's Office, Ministry of Environment, Korea Energy Management Corporation, etc.

I had been in charge of a special graduate program in climate change funded by the ministry of the environment. The ministry had provided funding of \$150,000 per year for five years (2006-2010) to support climate change program at a graduate school. Ten master's and Ph.D. students graduated under this program.

2000 – 2005, UNEP Risoe Center

I joined UNEP Risoe Center (URC) on Energy, Climate & Sustainable Development as a senior economist in July 2000. My work scope covered technical and negotiation aspects of the Kyoto Mechanism, in particular the CDM, follow-up of climate change negotiations as a UNEP delegate, energy efficiency, and other climate change and energy related issues.

From March 2003, URC started a new matrix structure with three thematic areas of energy, climate and sustainable development. Since then, I had been serving as the lead of climate cluster in the management team with the head of URC and two other thematic leads. My role as the climate lead was to make a long-term plan and look for activities in climate change area, to coordinate resource allocation with other themes and to coordinate climate related research and projects activities.

Other than serving as the climate coordinator, my primary task was to implement "Capacity Development for the CDM (CD4CDM)" which was funded by the Dutch government. The overall development objective of the project was to generate, in the developing countries, a broad understanding of the CDM and develop institutional capability and human capacity to fully participate as equal partners with developed countries in the formulation and implementation of the Clean Development Mechanism (CDM). The project is being implemented in 11 small and medium sized countries in 4 regions: sub-Saharan Africa, South-east Asia, Middle East and North Africa, and Latin America.

The project was implemented in two tracks: on-site implementation and developing

background materials. As the manager of the project, I was responsible for developing TORs and outlines and the quality control of background materials as well as managing the on-site progress of the project in each country.

CD4CDM had developed various background materials and used them for capacity building activities. Those materials include Introduction to the CDM, CDM Information and Guidebook, Legal Issues Guidebook to the CDM, CDM Sustainable Development Impacts, and Institutional Strategy to Promote the CDM in Peru. All the guidebooks, in particular CDM Information and Guidebook and Legal issues guidebook, are highly demanded by international stakeholders.

UNEP Risoe Centre has a mandate to assist developing countries to establish and implement their national policies in the area of the environment and energy. It has also been working on various capacity building activities in developing countries. Therefore, it has a very good network and working relationship with developing countries' governments, NGOs, and institutions. Through the experiences at URC, I would be able to work with developing country counterparts to make a contribution in areas where my expertise is required. I have always been open and ready to learn something new and have been working with my colleagues in a collaborative manner.

- Responsibility
 - Coordinator of Climate Change Theme: coordinate projects and activities related to climate change and make a long-term plan
- Projects and Activities
 - Project manager of “Capacity Development for the CDM”
 - Country coordinator for China of “Developing Financial Intermediation Mechanisms for Energy Efficiency Projects in Brazil, China, and India”
 - Coordinator of CF-SEA for institutional capacity building

1999 – 2000, Korea Environment Institute

After working four years for LG, I moved to KEI (Korea Environment Institute) and worked mainly on global warming issues. At the end of 1990s, the Korean economy had suffered from financial crisis which damaged also many other Asian economies. The financial crisis decreased the interests of private companies in environmental issues and this diminish of interests motivated me to move back to a public institution.

While I had been working for KEI, I had finished a research project on “Feasibility

study for greenhouse gas mitigation options through the Clean Development Mechanism” funded by Korean Ministry of Environment. I also had served many committees on the environment and climate change organized by various ministries and business associations.

- Projects and Activities
 - Feasibility study for GHG mitigation options through the CDM, 2000
 - Cost/Benefit analysis of GHG emissions reductions in Korea, 2000

Until I joined the KEI, I had normally viewed global warming issues from the energy perspective. However, my career at the KEI provided me with opportunity to look at it from the environmental perspective so that I could have more balanced view.

1995 – 1999, LG Economic Research Institute

In October 1995, I moved to LG Economic Research Institute (LGERI) which was a think tank of LG group. LGERI set up a new division to work on corporate environmental issues. My duty as the division head was to lead my staff to establishing environmental vision of LG group and serve as a think tank to make LG one of leading corporations in environmental areas. I also masterminded environmental policies and strategies of LG group and supervised and coordinated research works of the division. Besides the works within LG, I had represented LG in many meetings and workshops. While I had been working for LG, I could expand my interests and expertise from climate change & energy issues to other environmental issues such as air pollution, water pollution, and waste management from the viewpoint of private corporations.

- Responsibility and Activities
 - director of environmental research division
 - coordination of corporate environmental affairs among more than 40 sister companies together with LG Chairman’s office
 - writing articles related to environmental and energy issues regularly for weekly and monthly magazines published by LGERI
 - Representing LG group in various environmental and energy forums, workshops, and seminars
 - Counseling local energy plans for two local governments, 1996
 - Participating in the seminar for Biodiversity conservation in Northeast Asia held in Khabarovsk Russia, 1997

- Assessing environmental management system of major sister companies, 1997
- Coordinating LG Environmental Declaration, 1998
- Articles and reports
 - The harmonization of the environment and economy in Korea, 1997
 - The climate convention and the Korean economy, 1997
 - Economic impacts of food crisis due to climatic disaster, 1998
 - Economic impacts of global warming, 1998
 - Rethinking energy security in East Asia, a chapter for Korea, published by Japan Center for International Exchange, written in 1999, published in 2000
 - Supervising analytical research: Analysis on trans-boundary air pollution in Northeast Asia, 1997; Environmental industry in Korea, 1997

“Rethinking energy security in East Asia” is a book written jointly by 8 energy and environmental experts in East Asia. This was planned and funded by Japan Center for International Exchange. I linked environmental issues with energy security in Korea in the analysis which said the efforts to solve local and global environmental issues could make a contribution to ensure the stable supply of energy in the region.

The report on “Analysis on trans-boundary air pollution in Northeast Asia” drew a big attention from the media and public because it was the first report estimating economic impacts of acid-rain from China. The estimated damage was between 400 million to 1 billion dollars per year. It was translated into Japanese by Mitsubishi Kasei Institute of Life Sciences.

1994 – 1995, Korea Energy Economics Institute

I defended my Ph.D. dissertation in July 1994 and joined Korea Energy Economics Institute in December 1994. The first task assigned to me was to participate in drafting a national action plan of Korea to the Climate Change Convention. Besides it, I was involved in another projects related to energy policies and forecasting energy demand.

I had also participated in several negotiation meetings of the Climate Convention as a national delegate.

At the KEEI, I had learned a few important things which had been positively influencing on my career afterwards:

- the gap between the theory in an academic world and the practice in the real world,

and how to apply theoretical knowledge to a real policy making;

- a decision making process at the national level which is helping me a lot deal with developing country governments for projects which I am implementing now;
 - the mechanism of multilateral negotiation, in particular, between the North and the South, and among different groups.
- Projects and Activities
 - participating in the drafting of a national action plan of Korea to the UN Climate Change Convention, 1995
 - forecasting a long term energy balance of Korea, 1995
 - introducing a software LEAP to forecast long term energy demand of Korea and emissions of GHGs and air pollutants, 1995
 - revising a national energy plan, 1995
 - participating in the negotiation of the Climate Change Convention as a national delegate, 1995
 - publishing a special report “Global warming: Its impacts and policy implications”, 1995
 - writing an article “Fuel quality, air quality, and energy market in Korea” which was presented IEA meeting in April 1995

1988 – 1994

In the summer of 1988, I joined Economics Ph.D. program of Brown University with a full scholarship. Under the supervision of professor Talbot Page, I had worked on economic analysis of global warming using dynamic optimization model. In this period, I had acquired theoretical knowledge and technical skills to undertake independent research and had been exposed to various literatures on energy, environment, and sustainable development. The study and experience at the graduate school made me specialize in environmental economics.