**WANG KE**

Lecturer

School of Environment and Natural Resources, Renmin University of China

E-mail: wangkert@ruc.edu.cn

**EDUCATION**

1997-2002, Renmin University of China, B.A

2000-2002, Tsinghua University, Second B.A.

2002-2008, Tsinghua University, PhD

**TEACHING**

Environmental Management

Low-Carbon Economics

Climate Change Economics

**FIELD OF INTERESTS**

Energy-environment-economic modeling, policy simulation, economics analysis of global climate governance, multi-lateral climate negotiation process, low carbon technology innovation strategy and promotion policy, low carbon municipal planning

**PUBLICATIONS**

Zou Ji, Wang Ke, et al. Guidelines for The Development of Cities' Greenhouse gases Inventory in China. China Environmental Science Press, 2015.

Wang Ke. Technological Change Simulation and Its Application in Climate Change Policy Analysis Based on a CGE Model. China Environmental Science Press, 2010.

Zou Ji, Wang Ke, Fu Sha, et al. China Human Development Report 2009/10: China and a Sustainable Future, towards a Low Carbon Economy & Society. Commissioned by UNDP China. Beijing: China Translation & Publishing Corporation, 2010.

Zou Ji, Wang Ke, Fu Sha, et al. Global Governance for Climate: Shaping an International Architecture to Boost Innovation of Human Development Paths, 2015.

Zou Ji, Wang Ke, Fu Sha, et al. Research on Environmental Beneficial Technology Development and Transfer International Cooperative Innovation Mechanism. Beijing: Economic Science Press, Chinese and English version.

Zou Ji, Wang Ke, et al. Research on China’s Low Carbon Technology Strategy .People Publish Press (Publish in 2016).

Cui Xueqin, Wang Ke, Zou Ji, The impact of 2℃ and 1.5℃ target to the INDC and long-term emissions pathway of China. China Population Resources and Environment, 2016. (Accepted).

Cui Xueqin, Wang Ke, Zou Ji, Assessing the fairness and ambition of Intended Nationally Determined Contributions of US, EU, China and India. China environmental Science, 2016. (Accepted).

Liu Junling, Wang Ke and Zou Ji. The Net Flow of Carbon Emissions Embodied in Trade of China. Journal of Resources and Ecology, 2015.

Liu Junling, Wang Ke, Zou Ji, Analysis of Changes in Carbon Emissions Embodied in Global Trade and Corresponding Influences (in Chinese). Advances in Climate Change Research, 2015, 11(1): 54-60.

Analysis of Inequalities in Regional Carbon Emissions in China Based on Theil Index and KAYA Factors. Environmental Protection Science, 2014.

 Liu Junling, Wang Ke, Zou Ji, Analysis of Global Carbon Emission Flows Embodied in Trade Based on MRIO Model (in Chinese). World Economy Study, 2014(06): 43-48+88.

Liu Junling, Wang Ke, Zou Ji, Analysis of the Net Flow of Carbon Emissions Embodied in Trade of China (in Chinese). Resources Sciences, 2014(05): 979-987.

Liu Junling, Wang Ke. Calculation of Chinese Trade-embedded Carbon Emissions Based on HS Four-digit Code of Customs Commodities (in Chinese). International Economics and Trade Research, 2014(02): 28-38.

Cui Xueqin, Wang Ke, Zou Ji, Models of Wind Turbine Manufacturing Technology Transfer in China and Evaluation on Technology Progress Effects. China Population Resources and Environment, 2011.

Wang Ke, Wang Can, Chen Jining, Analysis of the economic impact of different Chinese climate policy options based on a CGE model incorporating endogenous technological change, Energy Policy, 2009.

Cui Xueqin, Wang Ke, Zou Ji. An integrated and transparent tool to assess the fairness and ambition of climate targets. 35th International Energy Workshop, Cork, Ireland. 2016.

Cui Xueqin, Wang Ke, Zou Ji. Assessing the fairness and ambition of INDCs of US, EU, China and India. The Sixth Congress of the East Asian Association of Environmental and Resource Economics, Fukuoka, Japan. 2016.

Liu Junling, Wang Ke, Zou Ji. Analysis of Trade Embodied Carbon Emissions between China, Korea and Japan and respective positions in global carbon embodied emissions flow. The 4th Congress of EAAERE (The East Asian Association of Environmental and Resource Economics), Busan, South Korea, paper presentation, 12th February-14th February, 2014.

Cui Xueqin, Wang Ke, Zou Ji, What drives transport sector CO2 emission growth in China? An index decomposition analysis The 4th Congress of EAAERE (The East Asian Association of Environmental and Resource Economics), Busan, South Korea, paper presentation, 12th February-14th February, 2014.

Liu Junling, Wang Ke, Zou Ji, Analysis of trends in carbon emissions embodied in China’s trade and factors decomposition. The International Energy Workshop 2014, Beijing, China, paper presentation, 4th June-6th June, 2014.

Cui Xueqin, Wang Ke,  Laurent Drouet, et al., Sharing the pie of future emissions——An integrated framework of multi equity principle approaches, The 34th edition of the International Energy Workshop (IEW), 2015

Wang Ke, Lei Hongpeng, etc. Handbook on China's urban low-carbon development plan. Renmin University of China and the World Resources Institute, 2014.

Wang Ke, Building a New Type of Major Power Relationship Through Climate Cooperation Will Require New Thinking from the United States, Exploring the Frontiers of U.S.-China Strategic Cooperation: Energy and Climate Change, Center For American Progress, November, 2014.

https://cdn.americanprogress.org/wp-content/uploads/2014/11/ChinaReport-Energy-FINAL.pdf.

Wang Ke, Powering up for the future, China Daily, April 13, 2011.

http://www.china.org.cn/opinion/2011-04/13/content\_22348539.htm

**EXPERIENCE**

**1. Research Experience**

National low-carbon city pilot follow-up assessment and capacity-building, funded by China Clean Development Mechanism (CDM), the project host, 2016-2017.

Study on the Trend of Global Climate Governance after the Paris Conference, Chinese Ministry of Science and Technology, "Study on the Urgent and Important Issues of Climate Change after the Paris Conference", Project Leader, 2016-2017.

International Low Carbon Development Trends and Innovations in China's Development Path, Project Supported by Energy Foundation, Project Leader, 2016-2017.

International cooperation of fair, effective and win-win after 2020 to strengthen the design of action plans and research on China's countermeasures, CDM-funded projects, sub-project leaders, 2015-2016.

“Methodology Guidelines for Chinese City Low-Carbon Development Planning” under project “China Sustainable and Livable Cities Initiative”, Sponsored by Caterpillar Foundation, Implemented by World Resources Institute, Project leader, 2013-2016.

Qingdao Low-carbon City Pilot Project, funded by China Clean Development Mechanism (CDM), Project Leader, 2013-2015.

“Research on the International Environment of China’s Low-Carbon Development” under the Key Program on China’s Low Carbon Macro Strategy, National Development and Reform Commission (NDRC), Sub-project leader, 2013-2015.

“Feasibility Study on Earlier Peaking of Chinese Carbon Dioxide Emissions under the Background of Global Low-Carbon Development”, China Clean Development Mechanism (CDM), Project Executives, 2013-2014.

Handbook on Qingdao Low-carbon Development Plan, commissioned by Qingdao Municipal Government, Project Executives, 2012-2013.

“Handbook on Development of City Greenhouse Gas Emissions Inventory in China”, Sponsored by Swiss Agency for Development and Cooperation (SDC), Project Executives, 2013-2014.

“Study on Guidelines for Municipal Low-Carbon Development Planning in China”, sponsored by British Embassy China Prosperity Strategic Programme Fund (SPF), Project Executives, 2013-2014.

 “Research on China’s Low Carbon Technology Strategy” under the Key Program on China’s Low Carbon Macro Strategy, National Development and Reform Commission (NDRC), The third person to complete the project(Cheng Tianquan, Zou Ji, Wang Ke) , 2012-2015.

Handbook on Guiyang low-carbon development plan, commissioned by the Guiyang municipal government, 2011-2012.

“Study on the major issues for low carbon economy”, belonging to Key Projects of Philosophy and Social Sciences Research, Ministry of Education, The second person to complete the project, 2009-2012.

Research on China’s Low Carbon Technology Strategy and International Cooperation Mechanism, Key Projects of 2009 Renmin University of China Research Fund ,Project Leaders, 2009-2010.

Dapu County of Meizhou, low-carbon development planning research, project leader, 2013-2014.

Environmental of the Beijing Olympics Impact Assessment, Sub-Project Leader, Chief Expert on Environmental Components, 2010-2013.

“Study on the technology transfer mechanism for climate change negotiation”, belonging to the project “Studies on the major issues for Mexico Climate Change Negotiations”, 973 Project, Ministry of Science and Technology, Topic leader, 2010.

Study on the Industry-based Emission Reduction Program and Related Issues under the "Research on the Industry Emission Reduction Plan" (No. 2010CB955403), 973 Project, Project Leader, 2010.

**2. International Consultation**

World Bank, Intended Nationally Determined Contributions of China, Expert Consultant, 2015-2016.

World Bank and NDRC, China Technology Needs Assessment (TNA) Project Mitigation Technology Needs Assessment, Expert Consultant, 2015-2016.

Swiss Agency for Development and Cooperation (SDC), “Handbook on Development of City Greenhouse Gas Emissions Inventory in China”, Expert Consultant, 2012-2016.

Asian Development Bank, Research on Qingdao City Low-Carbon Development Strategy”, Sponsored by Technical Assistance Project (TA 7219-PRC), leader of the project team, the domestic expert group leader, March 2011-June 2012.

World Resources Institute, Open Climate Network of China and other countries, Expert Consultant, June 2011-June 2012.

World Bank, "Climate Change Technology Needs and Priorities Methodology in the Context of China", Expert Consultant, June 2010 - August 2010.

Secretariat of the United Nations Framework Convention on Climate Change, Assessment of the Effectiveness of Implementation of Articles 4.1c and 5 of the Convention, Expert Consultant, 2010.

United Nations Framework Convention on Climate Change, "Expert Group on Technology Transfer, Indicator System for Performance Assessment of the Convention on Technology Transfer Framework for Implementation", Expert Consultant, 2010.

United Nations Framework Convention on Climate Change, Panel of Experts on Technology Transfer, and the Framework for Performance Assessment of the Technology Transfer Framework of the Convention, Expert Consultant, 2008.