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Literature Review of Carbon Finance and Low Carbon Economy for Constructing Low Carbon Society in China

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ABSTRACT

The purpose of the research is that China develops low-carbon economy and strengthens low-carbon economy research by learning other countries experiences, which literatures in the papers introduced. The principal results of the paper is that the paper done up right literatures review of carbon finance and low carbon economy. The major contribution is that the paper finds that China is facing the challenges of the global carbon finance problem and the lack of its pricing power. The conclusions is that we need to increase our academic research on carbon finance to solve China's lagging in carbon finance construction and know how to construct development system.

KEYWORDS

low-Carbon Economy, Carbon Finance, Literature Review

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References

- [1] G. Y. Zhuang, "The way of China's Low-Carbon Economy De-velopment and Analysis of its Potential," *International Tech-nical and Economic Research*, No. 3, 2005, pp. 79-87.
- [2] Y. Fu, Y. H. Ma, Y. C. Liu and W. Y. Niu, "Low-Carbon Eco-nomic Development Mode," *Chinese Population Resources and Environment*, No. 3, 2008, pp. 14-19.
- [3] C. J. Liu, B. M. Feng, "The Revelation of Low-Carbon Economy on the Con-struction of Wuhan City Circle " Two Type Society" in China," *Chinese Population Resources and Environment*, No. 5, 2009, pp. 16-21.
- [4] N. Xiang and F. Xia, "Low-Carbon Economy and Green Development Strategy— The Thought for the First in Hainan to Establish the First National Environmental Protec-tion," *China Soft Science*, No. 10, 2009, pp. 13-22.
- [5] S. Nader, "Paths to a Low-Carbon Economy—The Masdar Exam-ple," *Energy Procedia*, Vol. 1, No. 1, 2009, pp. 3951-3958. doi:10.1016/j.egypro.2009.02.199
- [6] B. Jiang, Z. Q. Sun and M. Q. Liu, "China's Energy De- velopment Strategy under the Low-Carbon Economy," *Energy*, In Press, Corrected Proof, Available online 4 February 2010.
- [7] D. Johnston, R. Lowe and M. Bell, "An Exploration of the Technical Feasibility of Achieving CO2 Emission Re- ductions in Excess of 60% within the UK Housing Stock by the Year 2050," *Energy Policy*, Vol. 33, No. 13, 2005, pp. 1643-1659. doi:10.1016/j.enpol.2004.02.003
- [8] R. Kawase, Y. Matsuoka and J. Fujino, "Decomposition analysis of CO2 Emission in Long-Term Climate Stabili- Zation Scenarios," *Energy Policy*, Vol. 34, No. 15, 2006, pp. 2113-2122. doi:10.1016/j.enpol.2005.02.005
- [9] K. Shimada, Y. Tanaka, K. Gomi and Y. Matsuoka, "De- veloping a Long-Term Local Society Design

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- Methodology towards a Low-Carbon Economy: An application to Shiga Prefecture in Japan," *Energy Policy*, Vol. 35, No. 9, 2007, pp. 4688-4703. doi:10.1016/j.enpol.2007.03.025
- [10] J. Q. Bao, Y. Miao and F. Chen, " Low-Carbon Economy: a New Mode of Economic De-velopment of Human Trans- formation," *China Industrial Economy*, No. 4, 2008, pp. 153-160.
- [11] John, " How Carbon Credits could Drive the Emergence of Renewable Energies," *Energy Policy*, Vol. 36, No. 10, 2008, pp. 3633-3639. doi:10.1016/j.enpol.2008.05.033
- [12] T. Osborne and C. Kiker, " Carbon Offsets as an Economic Alternative to Large-Scale Logging: A Case Study in Guyana, *Ecological Economics*," Vol. 52, No. 4, 2005, pp. 481- 496. doi:10.1016/j.ecolecon.2004.06.003
- [13] K. Siriwardena, P. D. C. Wijayatunga, W. J. L. S. Fernando, R. M. Shrestha and R. A. Attalage, " Economy Wide Emission Impacts of Carbon and Energy Tax in Electricity Supply Industry: A Case Study on Sri Lanka," *Energy Conversion and Management*, Vol. 48, No. 7, 2007, pp. 1975-1982. doi:10.1016/j.enconman.2007.01.030
- [14] J. Peace, T. Juliani, " The Coming Carbon Market and Its Impact on the American Economy," *Policy and Society*, Vol. 27, No. 4, 2009, pp. 305-316. doi:10.1016/j.polsoc.2009.01.002
- [15] Chaurey and T. C. Kandpal, " Carbon Abatement Potential of Solar Home Systems in India and Their Cost Reduction Due to Carbon Finance," *Energy Policy*, Vol. 37, No. 1, 2009, pp. 115-125. doi:10.1016/j.enpol.2008.07.038
- [16] J. I. Lewis, " The Evolv-ing Role of Carbon Finance in Promoting Renewable Energy Development in China," *Energy Policy*, In Press, Corrected Proof, Available online 6 February 2010.
- [17] W. F. Ren, " Low-Carbon Economy and Environment of Financial Innova-tion," *Shanghai Economic Research*, No. 3, 2008, pp. 38-42.
- [18] Y. Y. Wu, " The Development of China' s Carbon Finance and Carbon Finance Mechanism Innovation Strategy," *Shanghai Finance*, No. 10, 2009 , pp. 23-29.
- [19] L. Z. Wang and Y. Song, " Discussion on Carbon Trading in Financial In-novation and Risk Prevention," *Journal of Tianjin University of Finance and Economics*, No. 6, 2009, pp. 30-34.
- [20] L. R. Yan, Y. W. Lai, B. Zhang and Z. L. Li, " Boosting Low-Carbon Economic Development of the Green Financial Innovations," *Fujian Finance*, No. 12, 2009, pp. 4-8.
- [21] G. Y. Zhuang, " The Way of China' s Low-Carbon Economy Development and Analysis of its Potential," *International Technical and Economic Research*, No. 3, 2005, pp. 79-87.
- [22] Y. Fu, Y. H. Ma, Y. C. Liu and W. Y. Niu, " Low-Carbon Economic Development Mode," *Chinese Popu- lation Resources and Environment*, No. 3, 2008, pp. 14-19.
- [23] C. J. Liu and B. M. Feng, " The Revelation of Low-Carbon Economy on the Construction of Wuhan City Circle ' Two Type Society' in China," *Chinese Population Re-sources and Environment*, No. 5, 2009, pp. 16-21.
- [24] N. Xiag and F. Xia, " Low-Carbon Economy and Green Develop-ment Strategy– The Thought for the First in Hainan to Establish the First National Environmental Protection," *China Soft Sci-ence*, No. 10, 2009, pp. 13-22.
- [25] S. Nader, " Paths to a Low-Carbon Economy– The Masdar Example," *Energy Proce-dia*, Vol. 1, No. 1, 2009, pp. 3951-3958. doi:10.1016/j.egypro.2009.02.199
- [26] B. Jiang, Z. Q. Sun and M. Q. Liu, " China' s Energy De- velopment Strategy under the Low-Carbon Economy," *Energy*, In Press, Corrected Proof, Available online 4 February 2010.
- [27] D. Johnston, R. Lowe and M. Bell, " An Exploration of the Technical Feasibility of Achieving CO2 Emission Re- ductions in Excess of 60% within the UK Housing Stock by the Year 2050," *Energy Policy*, Vol. 33, No. 13, 2005, pp. 1643-1659. doi:10.1016/j.enpol.2004.02.003
- [28] R. Kawase, Y. Matsuoka and J. Fujino, " Decomposition analysis of CO2 Emission in Long-Term Climate Stabili- Zation Scenarios," *Energy Policy*, Vol. 34, No. 15, 2006, pp. 2113-2122. doi:10.1016/j.enpol.2005.02.005
- [29] K. Shimada, Y. Tanaka, K. Gomi and Y. Matsuoka, " De- veloping a Long-Term Local Society Design Methodology towards a Low-Carbon Economy: An application to Shiga Prefecture in Japan," *Energy*

- [30] J. Q. Bao, Y. Miao and F. Chen, " Low-Carbon Economy: a New Mode of Economic De-velopment of Human Trans- formation," *China Industrial Economy*, No. 4, 2008, pp. 153-160.
- [31] John, " How Carbon Credits could Drive the Emergence of Renewable Energies," *Energy Policy*, Vol. 36, No. 10, 2008, pp. 3633-3639. doi:10.1016/j.enpol.2008.05.033
- [32] T. Osborne and C. Kiker, " Carbon Offsets as an Economic Alternative to Large-Scale Logging: A Case Study in Guyana," *Ecological Economics*, Vol. 52, No. 4, 2005, pp. 481- 496. doi:10.1016/j.ecolecon.2004.06.003
- [33] K. Siriwardena, P. D. C. Wijayatunga, W. J. L. S. Fernando, R. M. Shrestha and R. A. Attalage, " Economy Wide Emission Impacts of Carbon and Energy Tax in Electricity Supply Industry: A Case Study on Sri Lanka," *Energy Conversion and Management*, Vol. 48, No. 7, 2007, pp. 1975-1982. doi:10.1016/j.enconman.2007.01.030