

Jeremy SCHREIFELS (石智锐)



1616 P Street, NW
Washington, DC 20036, USA

✉ schreifels@rff.org

🌐 www.rff.org/schreifels

🐦 [@jjschreifels](https://twitter.com/jjschreifels)

☎ +1 202 328 5026

☎ +86 136 9153 9508

EDUCATION

Tsinghua University	Duke University	St. Cloud State University
Environmental Engineering Doctor of Philosophy	Resource Economics Master of Environmental Management	Management & Finance Bachelor of Science
📍 Beijing, China	📍 Durham, North Carolina	📍 St. Cloud, Minnesota

WORK EXPERIENCE

Resources for the Future	U.S. Environmental Protection Agency	Accenture
Visiting Fellow	Branch Chief Senior Policy Analyst	Business Solutions Engineer
📍 Washington, DC	📍 Washington, DC	📍 Minneapolis, Minnesota

PUBLICATIONS – JOURNAL ARTICLES

- Goulder, Morgenstern, Munnings, Schreifels (2017). China's national CO₂ emission trading system: An introduction. *Economics of Energy & Environmental Policy*, 6(2), XX-XX. DOI: 10.5547/2160-5890.6.2.lgou
- Ancora, Zhang, Wang, Schreifels, Hao (2016). Meeting Minamata: Cost-effective compliance options for atmospheric mercury control in Chinese coal-fired power plants. *Energy Policy*, 88, 485-494. DOI: 10.1016/j.enpol.2015.10.048
- Young, Guttman, Qi, Bachus, Belis, Cheng, Lin, Schreifels, Van Eynde, Wang, Wu, Yan, Yu, Zaelke, Zhang, Zhang, Zhao, Zhu (2015). Institutionalized governance processes: Comparing environmental problem solving in China and the United States. *Global Environmental Change*, 31, 163-173. DOI: 10.1016/j.gloenvcha.2015.01.010
- Ancora, Zhang, Wang, Schreifels, Hao (2015). Economic analysis of atmospheric mercury emission control for coal-fired power plants in China. *Journal of Environmental Sciences*, 33, 125-134. DOI: 10.1016/j.jes.2015.02.003
- Sun, Schreifels, Wang, Fu, Wang (2014). Cost estimate of multi-pollutant abatement from the power sector in the Yangtze River Delta region of China. *Energy Policy*, 69, 478-488. DOI: 10.1016/j.enpol.2014.02.007
- Schreifels, Fu, Wilson (2012). Sulfur dioxide control in China: Policy evolution during the 10th and 11th Five-year Plans and lessons for the future. *Energy Policy*, 48, 779-789. DOI: 10.1016/j.enpol.2012.06.015
- Schreifels, Wang, Hao (2012). Design and operational considerations for selective catalytic reduction technologies at coal-fired boilers. *Frontiers in Energy*, 6(1), 98-105. DOI: 10.1007/s11708-012-0171-4
- Zhang & Schreifels (2011). Continuous emission monitoring systems at power plants in China: Improving SO₂ emission measurement. *Energy Policy*, 39(11), 7432-7438. DOI: 10.1016/j.enpol.2011.09.011
- Wang, Jang, Zhang, Wang, Zhang, Streets, Fu, Lei, Schreifels, He, Hao, Lam, Lin, Meskhidze, Voorhees, Evarts, Phillips (2010). Assessment of air quality benefits from national air pollution control policies in China. Part II: Evaluation of air quality predictions and air quality benefits assessment. *Atmospheric Environment*, 44(28), 3449-3457. DOI: 10.1016/j.atmosenv.2010.05.058

RESEARCH TOPICS

Climate policy
Environmental policy
Emission trading
Environmental taxes
Pollution control
Cost-benefit analysis
Emission measurement
Emission verification
Energy and electricity

INTERNATIONAL EXPERIENCE



FELLOWSHIPS & PANELS

- CCICED Regional Air Quality Task Force
- CCICED 12th Five-year Plan Task Force
- Embassy Science Fellow

AWARDS

EPA Administrator's Award
EPA Int'l Environmental Protection Award
EPA Innovation Award
EPA Leadership Award

CONTACT QR CODE



- Wang, Jang, Zhang, Wang, Zhang, Streets, Fu, Lei, Schreifels, He, Hao, Lam, Lin, Meskhidze, Voorhees, Evarts, Phillips (2010). Assessment of air quality benefits from national air pollution control policies in China. Part I: Background, emission scenarios and evaluation of meteorological predictions. *Atmospheric Environment*, 44(28), 3442-3448. DOI: 10.1016/j.atmosenv.2010.05.051
- Napolitano, Stevens, Schreifels, Culligan. (2007) The NO_x budget trading program: a collaborative, innovative approach to solving a regional air pollution problem. *The Electricity Journal*, 20(9), 65-76. DOI: 10.1016/j.tej.2007.09.005.
- Napolitano, Schreifels, Stevens, Witt, LaCount, Forte, Smith. (2007) The U.S. Acid Rain Program: Key insights from the design, operation, and assessment of a cap-and-trade program. *The Electricity Journal*, 20(7), 47-58. DOI: 10.1016/j.tej.2007.07.001
- Wang, Yang, Ge, Cao, Schreifels (2004). Controlling sulfur dioxide in China: Will emission trading work? *Environment: Science and Policy for Sustainable Development*, 46(5), 28-39. DOI: 10.1080/00139150409604389

PUBLICATIONS – BOOKS

- Stevens, Barton, Schreifels (2005). *Canada-United States emissions cap and trading feasibility study*. Washington, DC: U.S. Environmental Protection Agency. ISBN: 978-0662405269
- Kruger and Schreifels (Eds.) (2003). *Tools of the Trade: A Guide to Designing and Operating a Cap and Trade Program for Pollution Control*. Washington, DC: U.S. Environmental Protection Agency. ISBN: 978-0662392606
- Wang, Yang, Benkovic-Grumet, Schreifels (Eds.) (2002). *SO₂ Emissions Trading Program: A Feasibility Study for China*. Beijing: China Environmental Science Press. ISBN: 978-7801634573

PUBLICATIONS – BOOK CHAPTERS

- Schreifels (2010). 美国排污交易实践 (Emission trading experience in the U.S.), in Yan and Wang (Eds.), 中国的排污交易: 实践与案例 (*Emission Trading in China: Pilots and Practices*). Beijing: China Environmental Sciences Press.
- Morgenstern, Abeyunawardena, Anderson, Bell, Krupnick, Schreifels (2005). Emissions trading to improve air quality in an industrial city in the People's Republic of China, in Day (Ed.), *China's environment and the challenge of sustainable development*. Armonk, NY: M.E. Sharpe. ISBN: 978-0765614711
- Benkovic, Karousakis, Kruger, LaCount, Macedonia, Murray, Schreifels, Wagner, Whiteman (2002). Emissions trading experience in the United States, in Wang, Yang, Benkovic-Grumet, Schreifels (Eds.), *SO₂ Emissions Trading Program: A Feasibility Study for China*. Beijing: China Environmental Science Press. ISBN: 978- 7801634573

PUBLICATIONS – OTHER

- Hao, Walsh, Yang, He, Bao, Larssen, Schreifels, Amann, Lutz. (2014) *Performance Evaluation on the Action Plan of Air Pollution Prevention and Control and Regional Coordination Mechanism*. Policy Report. China Council for International Cooperation on Environment and Development (CCICED).
- Schreifels and Zhang. (2010) *Improving Continuous Emission Monitoring Systems (CEMS) at Power Plants in China*. Technical Report.
- Wang, Gillespie, Wang, Hao, Feng, Schreifels, Siemieniuk, Warford. (2007) *Policy Mechanism Towards Successful Implementation of the 11th Five Year Plan Environment Targets*. Policy Report. China Council for International Cooperation on Environment and Development (CCICED).
- Ren, Napolitano, Zhou, Schreifels. (2007) *China-US Joint Economic Study: Economic Analyses of Energy Saving and Pollution Abatement Policies for the Electric Power Sectors of China and the United States*. Report. U.S. Environmental Protection Agency.
- Schreifels. (2007) *Emissions Trading in Santiago, Chile: A Review of the Emission Offset Program of Supreme Decree No. 4*. Policy Report. U.S. Environmental Protection Agency.
- Morgenstern, Abeygunawardena, Anderson, Bell, Krupnick, Schreifels, Dong, Jinan, Jintian, Larsen. (2004) *Emissions Trading to Improve Air Quality in an Industrial City in the People's Republic of China*. Discussion Paper 04-16. Resources for the Future (RFF).
- Wang, Yang, Ge, Cao, Schreifels. (2004) *Sulfur Dioxide Emission Trading in China: Piloting Programs and its Perspective*. Report. Chinese Academy for Environmental Planning.
- Kruger, Sye-Grover, Schreifels. (2003) Building Institutions to Address Air Pollution in Developing Countries: The Cap and Trade Approach, in *OECD Global Forum on Sustainable Development: Emissions Trading*. Report CCNM/GF/SD/ENV(2003)15. Organization for Economic Cooperation and Development (OECD).
- Yang, Cao, Ge, Gao, Schreifels. (2003) Implementing SO₂ Emissions Trading in China, in *OECD Global Forum on Sustainable Development: Emissions Trading*. Report CCNM/GF/SD/ENV(2003)15. Organization for Economic Cooperation and Development (OECD).