

ENVIRONMENTAL POLICY AND FIRM-LEVEL MANAGEMENT

Selected Articles and Working Papers

Arimura, Toshi and Akira Hibiki (2007) "Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems" in *Journal of Environmental Economics and Management* (forthcoming).

Arimura, Toshi and Akira Hibiki (2004). *Environmental Management and Firm-Level Practices in Japan*. (www.oecd.org/dataoecd/22/29/31650143.pdf).

Arimura, Toshi, Akira Hibiki, *et al.* (2005). *Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems*. Paper presented at a meeting of the Australian Conference of Economists.

Arimura, Toshi and Akira Hibiki (2005). "Relationship Between Environmental Management and Environmental Policy: A Study on the OECD Survey on Facility-Level Management" in *Sophia Economic Review*, Vol. 50, pp. 1-13.

Arimura, Toshi, Akira Hibiki, *et al.* (2007). *Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems*. Paper presented at the Agricultural and Consumer Economics Seminar at the University of Illinois at Urbana-Champaign.

Arimura, Toshi, A. Hibiki and N. Johnstone (2007). "Empirical Study of Environmental R&D: What Encourages Facilities to be Environmentally Innovative?" in Johnstone, Nick (2007). *Corporate Behaviour and Environmental Policy*. Cheltenham, UK: Edward Elgar; and Paris: OECD (www.e-elgar.co.uk/Bookentry_contents.lasso?id=12551).

Arimura, Toshi and M. Suginon (2007). "Does Stringent Environmental Regulation Stimulate Environment-Related Technological Innovation?" *Sophia Economic Review* (forthcoming)

Darnall, Nicole, Irene Henriques and Perry Sadorsky (2005). *An International Comparison of the Factors Affecting Environmental Strategy and Performance*. in *Best Paper Proceedings, Academy of Management*.

Darnall, N., I. Henriques and P. Sadorsky (2007). "Do Environmental Management Systems Improve Business Performance in an International Setting?" *Journal of International Management* (https://osf1.gmu.edu/~ndarnall/docs/EMS_business_performance.pdf).

Darnall, Nicole, G. Jason Jolley and R. Handfield (2007). "Environmental Management Systems And Green Supply Chain Management: Complements For Sustainability?" in *Business Strategy and the Environment* (<http://mason.gmu.edu/~ndarnall/docs/EMS-GSCM.pdf>).

Darnall, Nicole, G. Jason Jolley and Bjarne Ytterhus (2007). "Does a Facility's Environmental Performance Predict its Financial Performance?" in Johnstone, Nick (2007). *Corporate Behaviour and Environmental Policy*. Cheltenham, UK: Edward Elgar; and Paris: OECD. (www.e-elgar.co.uk/Bookentry_contents.lasso?id=12551).

Darnall, Nicole and Alexei Pavlichev (2004). *Environmental Policy Tools and Firm-Level Management Practices in the United States* (<http://www.oecd.org/dataoecd/1/59/35590060.pdf>).

- Fronzel, Manuel, Jens Horbach, Klaus Rennings (2004). "What Triggers Environmental Management and Innovation? Empirical Evidence for Germany". *RWI Discussion Paper* No. 15, RWI Essen. (http://papers.ssrn.com/sol3/papers.cfm?abstract_id=556945).
- Fronzel, Manuel, Jens Horbach, Klaus Rennings (2004). "End-of-Pipe or Cleaner Production? An Empirical Comparison of Environmental Innovation Decisions across OECD Countries". *ZEW Discussion Paper* 04-82 (http://papers.ssrn.com/sol3/papers.cfm?abstract_id=633101).
- Fronzel, Manuel, Jens Horbach, Klaus Rennings (2007). *End-of-Pipe or Cleaner Production? An Empirical Comparison of Environmental Innovation Decisions across OECD in Business Strategy and the Environment* (<http://www3.interscience.wiley.com/cgi-bin/jhome/113493004>).
- Fronzel, M., Horbach, J., Rennings, K., and T. Requate (2004). Environmental Policy Tools and Firm-Level Management Practices in Germany: Empirical Evidence for Germany". *RWI : Mitteilungen . Quarterly*, 54/55, N° 2, pp. 87-111 (<http://www.oecd.org/dataoecd/25/37/31684454.pdf>).
- Glachant, Matthieu (2005). *Management Environnementale: Une Enquête Auprès de 270 Etablissements Industriels en France* (<http://www.oecd.org/dataoecd/1/57/35590121.pdf>).
- Henriques, Irene and Perry Sadorsky (2004). *Environmental Policy Tools and Firm-Level Management Practices in Canada* (<http://www.oecd.org/dataoecd/26/18/31685571.pdf>).
- Henriques, Irene and Perry Sadorsky (2004). "Environmental Technical and Administrative Innovations in the Canadian Manufacturing Industry", in *Administrative Sciences Association of Canada (ASAC) Paper Proceedings*, Quebec City, June.
- Henriques, Irene and Perry Sadorsky (2005). "Environmental Management Systems and Practices: An International Facility-Level Perspective" in *IABS Conference Proceedings*, 16th Annual IABS Conference, Sonoma Valley, March 31-April 3, pp. 205 – 210.
- Henriques, Irene and Perry Sadorsky (2006). "The Adoption of Environmental Management Practices in a Transition Economy". *Comparative Economic Studies*, 48(4): 641-661 (<http://www.ingentaconnect.com/content/pal/ces;jsessionid=2vht49o4j8b62.alice>).
- Henriques, Irene and Perry Sadorsky (2007). "Environmental Technical and Administrative Innovations in the Canadian Manufacturing Industry". *Business Strategy and the Environment*, 16(2): 119-132 (<http://www3.interscience.wiley.com/cgi-bin/jhome/113493004>).
- Henriques, Irene and Perry Sadorsky (2007). "Environmental Management Systems and Practices: An International Perspective" in Johnstone, Nick (2007). *Corporate Behaviour and Environmental Policy*. Cheltenham, UK: Edward Elgar; and Paris: OECD. (www.e-elgar.co.uk/Bookentry_contents.lasso?id=12551).
- Hibiki, Akira and Toshi Arimura (2005). *An Empirical Study of the Effect of the Fuel Tax in Japan on Vehicle Selection and NOx Emissions*. Discussion Paper (Department of Social Engineering, Tokyo Institute of Technology), No. 05-02 (<http://www.soc.titech.ac.jp/%7Elibrary/discuss/text/dp05-02.pdf>).
- Hibiki, Akira and Toshi Arimura (2007). "Facilities Incentive of Environmental Management and their Stakeholders' Impact: From the Results of an OECD Survey". *Planning Administration* (<http://opus.zbw-kiel.de/volltexte/2005/2887/pdf/dp0482.pdf>). (forthcoming)

- Johnstone, Nick, Pascale Scapecchi, Bjarne Ytterhus and Rolf Wolff (2004). "The Firm, Environmental Management and Environmental Measures: Lessons from a Survey of European Manufacturing Firms". *Journal of Environmental Planning and Management*, Vol. 47, No. 5, pp. 685-708 (<http://taylorandfrancis.metapress.com/content/ve2frxnq2ckpaf49/>).
- Johnstone, Nick (2007). "Public Environmental Policy and Corporate Behaviour: Background Report and Overview of the Data" in Johnstone, Nick (2007). *Corporate Behaviour and Environmental Policy* (Cheltenham. UK: Edward Elgar; and Paris: OECD. (www.e-elgar.co.uk/Bookentry_contents.lasso?id=12551)).
- Johnstone, Nick (2007). *Corporate Behaviour and Environmental Policy*. Cheltenham, UK: Edward Elgar; and Paris: OECD. (www.e-elgar.co.uk/Bookentry_contents.lasso?id=12551).
- Johnstone, Nick, Matthieu Glachant, Celine Serravalle, Nicolas Riedinger and Pascale Scapecchi (2007). "Many a Slip 'Twixt the Cup and the Lip: Direct and Indirect Policy Incentives to Improve Environmental Performance" in Johnstone, Nick (2007). *Corporate Behaviour and Environmental Policy*. Cheltenham, UK: Edward Elgar; and Paris: OECD. (www.e-elgar.co.uk/Bookentry_contents.lasso?id=12551)).
- Johnstone, Nick and Julien Labonne (2006). "Environmental Policy, Management and Research and Development". *OECD Economic Studies*, Vol. 42, 2006/1 (http://www.oecd.org/document/59/0,2340,en_2649_33733_2744443_1_1_1_1,00.html).
- Johnstone, Nick and Julien Labonne (2007). "Environmental Policy and Economies of Scope in Facility-Level Environmental Management", *Environmental Economics and Policy Studies* (accepted for publication subject to revision) (<http://www.springer.com/west/home/environment?SGWID=4-198-70-1127341-0>). (forthcoming)
- Kerekes, Sandor (2004). "Environmental Policy Tools and Firm-Level Management Practices in Hungary" (<http://www.oecd.org/dataoecd/26/0/31686250.pdf>).
- www.ec.europa.eu/environment/sme
- OECD (2003). *Environmental Policy Tools and Firm-Level Management: Descriptive Overview of the Data and Preliminary Empirical Results* (ENV/EPOC/WPNEP(2003)13/FINAL) (<http://olisweb.oecd.org/vgn-ext/templating/DisplayDocument.pdf?docId=JT00152182&date=1067266640000&documentId=180634&organisationId=1&fileName=JT00152182.pdf>).
- OECD (2007). *Business and the Environment: Policy Incentives and Corporate Responses*. Paris: OECD. (<http://publications.oecd.org/kappa/publications/description.asp?ProductId=32257&EditMode=&FormId=&InputId=&NoBorder=>).
- Requate, Til, Manuel Frondel, Jens Horbach and Klaus Rennings (2004). *Environmental Policy Tools and Firm-Level Management Practices in Germany* (<http://www.oecd.org/dataoecd/26/17/31685533.pdf>).
- Ytterhus, Bjarne (2004). "Environmental Policy Tools and Firm-Level Management Practices". *Working Paper, Norwegian School of Management* (<http://www.oecd.org/dataoecd/25/37/31684454.pdf>).
- Ytterhus, Bjarne (2004). *Environmental Policy Tools and Firm-Level Management Practices in Norway* (<http://www.oecd.org/dataoecd/25/37/31684454.pdf>).

Ytterhus, Bjarne (2005). *A Study on Driving Forces and Environmental Activities in OECD Countries*.
Paper prepared for the Norwegian Ministry of the Environment.

Presentations to Conferences and Workshops

2004

Environmental Technical and Administrative Innovations in the Canadian Manufacturing Industry. Paper presented by Irene Henriques and Perry Sadorsky 64th Annual Meeting of the Academy of Management, New Orleans, Louisiana, August 6-11.

Self Selection and Moral Hazard in Environmental Policy Design. Paper presented by Nick Johnstone at Ulvön Environmental Economics Conference, Umeå University, Sweden, June <http://www-sekon.slu.se/~bkr/ulvo04.htm>

Environmental Compliance: Channels of Enforcement. Paper presented by Nick Johnstone and Pascale Scapecchi at the Global Forum on Sustainable Development Conference on Economic Aspects of Environmental Compliance Assurance, 2-3 December (<http://www.oecd.org/dataoecd/35/32/33991010.pdf>)

Environmental Technical and Administrative Innovations in the Canadian Manufacturing Industry. Paper presented by Irene Henriques and Perry Sadorsky in the Administrative Sciences Association of Canada (ASAC) Paper Proceedings, Quebec City, June.

Effects of Environmental Policy Instruments and Stakeholders on Environmental Related R&D Expenditures. Paper presented by Toshi Arimura and Akira Hibiki *et al.* at the Fall 2004 meeting of the Japanese Economic Association, Okayama, Japan.

The Impacts of ISO14001 Certification on Environmental Performance: Evidence from PRTR. Paper presented by Toshi Arimura, Akira Hibiki *et al.* at the 9th Annual Meeting of Society for Environmental Economics and Policy Studies, Hiroshima, Japan.

A Comparative Study on the Effects and Motivations of Environmental Management in Germany and Japan. Presentation by Toshi Arimura, Akira Hibiki *et al.* at The Fourth Annual Meeting of Sustainable Management Forum, Hosei University, Tokyo, Japan.

What Triggers Environmental Management and Innovation? Paper presented by Manuel Frondel at the 14th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Bremen, Germany, June.

What Triggers Environmental Management and Innovation? Paper presented by Manuel Frondel at the Annual Meeting of the Verein für Socialpolitik, Dresden, Germany, September.

2005

Environmental Policy Mixes: Motivations, Evidence and Effectiveness. Paper presented by Nick Johnstone at the EC DG Environment CAFÉ/NEBEI Conference on Policy Instruments to Reduce Air Pollution”, 11-12 November, Brussels http://ec.europa.eu/environment/enveco/pdf/dg_env_r&d.pdf.

Environmental Management, Performance & Innovation: Comparing SMEs with other Firms. Paper presented by Nick Johnstone and Julien Labonne at ECAP-SME Workshop, Brussel, October 14. <http://www.oecd.org/dataoecd/24/12/35582121.pdf>

Environmental Policy and Corporate Behaviour. Paper presented by Nick Johnstone at the OECD/EPA/Environment Canada Conference on Public Environmental Policy and the Private Firm, June 14-15, Washington DC (<http://www.oecd.org/dataoecd/17/54/35116343.pdf>).

Environmental Management Systems and Practices: An International Perspective. Paper presented by Irene Henriques and Perry Sadorsky at the OECD/EPA/Environment Canada Conference on Public Environmental Policy and the Private Firm, June 14-15, Washington DC <http://www.oecd.org/dataoecd/17/27/35116695.pdf>.

Direct and Indirect Policy Incentives to Improve Environmental Performance. Paper presented by Matthieu Glachant at the OECD/EPA/Environment Canada Conference on Public Environmental Policy and the Private Firm, June 14-15, Washington DC <http://www.oecd.org/dataoecd/17/26/35116754.pdf>.

An Empirical Analysis of Environmental Innovation Decisions across OECD Countries. Paper presented by Jens Horbach, Klaus Rennings and Manuel Frondel at the OECD/EPA/Environment Canada Conference on Public Environmental Policy and the Private Firm, June 14-15, Washington D.C. <http://www.oecd.org/dataoecd/17/26/35120540.pdf>

Does Environmental Performance Predict a Facility's Financial Performance? Paper presented by Nicole Darnall at the OECD/EPA/Environment Canada Conference on Public Environmental Policy and the Private Firm, June 14-15, Washington DC <http://www.oecd.org/dataoecd/13/15/35121719.pdf>

Environmental and Financial Performance : Sectoral Analysis. Paper presented by Bjarne Ytterhus at the OECD/EPA/Environment Canada Conference on Public Environmental Policy and the Private Firm, June 14-15, Washington DC (<http://www.oecd.org/dataoecd/58/6/35122092.pdf>).

An Empirical Analysis of Environmental R&D: What Encourages Facilities to be Environmentally Innovative? Paper presented by Toshi Arimura at the OECD/EPA/Environment Canada Conference on Public Environmental Policy and the Private Firm, June 14-15, Washington DC <http://www.oecd.org/dataoecd/14/43/35120613.pdf>.

Environmental and Financial Performance: Do Industrial Sectors Differ in their Ability to Derive Financial Benefits from Environmental Actions? Paper presented by Nicole Darnall and Bjarne Ytterhus at the Business Strategy and the Environment Conference, Leeds, UK (<http://www.crrconference.org/plaintext/downloads/darnall.pdf>).

Do Industrial Sectors Differ in their Ability to Derive Benefits from Environmental Actions? Paper presented by Bjarne Ytterhus at Conference on Business Strategy and the Environment, University of Leeds.UK 2005 (<http://www.crrconference.org/downloads/bseabstracts200501.09.2005.pdf>).

Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems. Paper presented by Toshi Arimura, Akira Hibiki *et al.* at the Australian Conference of Economists.

Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems. Paper presented by Toshi Arimura, Akira Hibiki *et al.* at the Fall 2005 meeting of the Japanese Economic Association, Tokyo, Japan.

Determinants of Environmental Management Systems: Does Environmental Regulation Play a Role? Paper presented by Bjarne Ytterhus and Magne Aarsett EAERE Conference, June 125th-28th, Budapest <http://eaere2004.bkae.hu/download/paper/ytterhuspaper.doc>

Eco-Efficiency and Private Sectors' Voluntary Action. Paper presented by Toshi Arimura at the United Nations Economic and Social Commission for Asia and the Pacific, Experts Group Meeting and the Eleventh Meeting of Senior Officials (SOM) on Environmental Cooperation in North-East Asia, Seoul, Republic of Korea.

An Empirical Analysis of the Impact that Environmental Policy has on Technological Innovation. Paper presented by Toshi Arimura and Akira Hibiki at "Sustainable Economic Growth and the Challenges of Global Warming Conference" at The Economic and Social Research Institute, Cabinet Office, Government of Japan http://www.esri.go.jp/en/prj-2004_2005/kankyoku/kankyoku16/syousai-e.html.

Econometric Analysis on the Determinants of Environmental Management Practices of the Firm. Paper presented by Akira Hibiki, Toshi Arimura and Koya Asada at the 2005 Annual Meeting of Society of Environmental Economics and Policy, October 9-10, Tokyo, Japan.

Environmental Regulations, Innovation Offsets and Organizations' Financial Performance. Paper presented by Nicole Darnall at the Association of Public Policy Analysis and Management, Washington, DC, November.

Environmental Management Systems and Green Supply Chain Management: Complements or Contradictions? Paper presented by Nicole Darnall, G. Jason Jolley and R. Handfield at the Academy of Management Conference, Honolulu, August.

2006

Japanese Business Responses: Beyond Regulation. Paper presented by Toshi Arimura at the NEASPEC Expert Group Meeting on Eco-Efficiency in North-East Asia, United Nations Economic and Social Commissions for Asia and the Pacific, China Standard Certification Center, Beijing, China.

Why Join Voluntary Environmental Programs? An Examination of Facility Responses. Paper presented by Nicole Darnall, M. Potoski, and A. Prakash at the Association of Public Policy Analysis and Management, Madison, WI, November (<http://www.apsanet.org/mtgs/program/>).

Adopting Proactive Environmental Practices: The Influence of Stakeholders and Organizational Size. Paper presented by Nicole Darnall, Irene Henriques and Perry Sadorsky at The Academy of Management Conference, Atlanta.

2007

Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems. Paper presented by Toshi Arimura, Akira Hibiki *et al.* at the Environmental and Natural Resource Economics Seminar at the University of Minnesota.

Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems. Paper presented by Toshi Arimura, Akira Hibiki *et al.* at the Agricultural and Consumer Economics Seminar at the University of Illinois at Urbana-Champaign.

Environmental Regulations, Innovation Offsets and Organizations' Financial Performance. Paper presented by Nicole Darnall at the UMR-GAEL Conference on Environment, Innovation and Performance, Grenoble, France, June.
http://www.international.inra.fr/all_the_news/events_and_symposia/april_june_2007/environment_innovation_and_performance.

Does Sponsorship Matter? Assessing the Pressures to Participate in Voluntary Environmental Programs.
Paper presented by Nicole Darnall M. Potoski and A. Prakash at The Academy of Management Conference, Philadelphia.

Is a Voluntary Approach an Effective Environmental Policy Instrument? A Case for Environmental Management Systems. Paper presented by Toshi Arimura, Akira Hibiki, *et al.* (2007). at the Environmental and Natural Resource Economics Seminar at the University of Minnesota.