

**Resume: Gunnar S. Eskeland**, born December 27<sup>th</sup>, 1959

Professor of Economics, Sparebanken Vest Chair, since 2008.

NHH, Norwegian School of Economics. Teaches, inter alia, courses in Environmental Economics and Climate Change Economics, at the master level.

Also: Senior Researcher, SNF; Energy and Climate, and CenSES, Research Director

Education: Norwegian School of Economics and Business Administration  
MBA, 1984, ABD, 1986. Ph. D. (Dr. Oecon), 2001.

**Dissertation:** PhD; Taxing Bads by Taxing Goods: Environmental protection under optimal taxation (committee: A. Sandmo, G. Asheim, V. Christiansen).  
Licenciate thesis: Cruise games: strategic competition in tourism markets.

Eskeland's PhD thesis in optimal taxation theory develops normative principles for how an economy is guided towards environmental protection, efficiency, and equity.

**Employment and Experience:**

1984-86, Kloster Shipowning Company (Vard), 1986-88, SNF, Statoil Scholar, 1988 to 2003. The World Bank Research Dept. World Development Report team, 2003: Institutions for Sustainable Development; 2003-08: Research Director CICERO, Center for Climate and Environmental Research, Oslo;

**Fields of expertise:** Public finance and welfare economics, development economics, environmental economics, climate change and policy, shipping and transport economics, energy economics, fiscal decentralization, contract theory and institutions

**Areas of application/countries:** Energy and environmental economics, shipping and transport economics, public finance, climate policy and negotiations, company and asset valuation, public expenditures, institutional economics; Argentina, Bolivia, Brazil, Chile, Colombia, El Salvador, Indonesia, India, Kenya (residency), Mexico, Namibia, Norway, Sweden, Russia, USA, Europe.

**Languages:** Spanish and English fluently, in addition to Scandinavian (mother tongue) and some German.

**Referee for Journals (sample):** *American Economic Review*, *Energy Journal*, *Energy Economics*, *European Economic Review*, *Journal of Public Economics*, *Journal of Development Economics*, *Journal of Transport Economics and Policy*, *Journal of Economic Behavior and Organization*, *Journal of Environmental Economics and Management*, *Public Choice*, *World Bank Economic Review*, *World Bank Research Observer*

**Research Grants, lead and WP management (sample):** World Bank research committee; EU: ADAM; Sweden: Expertgruppen, CLIPORE; Norway NRC: CELECT; ICEPS; CenSES; INTREPED. Commercial partners: Hydro, Statkraft, Statnett, BK, BKK, NVE, Min o Environment, Transport Norway, Institute of Transport Economics (TOI). NordStar, Nordic Center of Excellence, HyFiTransport; CenSES, World Bank, UNDP.

**Outreach:** Eskeland writes about environment and climate policy, public finance, energy and transport also in broader for a, typically about monthly op-eds in national newspapers.

**Publications: peer-reviewed academic journals**

Eskeland, G.S., & Jiménez, E. (1992). Policy Instruments for Pollution Control in Developing Countries. *World Bank Research Observer* 7(2):145–69.  
<http://wbpro.oxfordjournals.org/content/7/2/145.abstract>

Eskeland, G.S. (1994) A Presumptive Pigovian Tax: Complementing Regulation to Mimic an Emission Fee. *World Bank Economic Review* 8(3):373–94.  
<http://www.jstor.org/discover/10.2307/3989955?uid=374966131&uid=3739584&uid=2134&uid=2&uid=70&uid=3&uid=26456&uid=67&uid=62&uid=3739256&uid=5912280&sid=21104292109503>

Eskeland, G.S., Alberini, A., Krupnick, A., & McGranahan, G. (1996). Determinants of Diarrheal Disease in Jakarta. *Water Resources Research* 32(7):2259–69.

Eskeland, G.S., Ostro, B., Sánchez, J. M., Aranda, C. (1996). Air Pollution and Mortality: Results from a Study of Santiago, Chile. *Journal of Exposure Analysis and Environmental Epidemiology* 6 (1).

Eskeland, G.S. & Feyzioglu, T. (1997). Rationing Can Backfire: The “Day without a Car” in Mexico City.” *The World Bank Economic Review* 11(3): 383–408.  
<http://elibrary.worldbank.org/doi/pdf/10.1093/wber/11.3.383>

Eskeland, G.S. & Feyzioglu, T. (1997). Is Demand for Polluting Goods Manageable? An Econometric Study of Car Ownership and Use in Mexico. *Journal of Development Economics* 53(2):423–45.  
<http://www.sciencedirect.com/science/article/pii/S0304387897000175>

Eskeland, G.S. (1997). Air Pollution Requires Multipollutant Analysis: The Case of Santiago, Chile. *American Journal Agricultural Economics* 79(5):1636–41.  
<http://www.jstor.org/stable/1244395>

Eskeland, G.S., Jiménez, E. & Liu, L. (1998). Prices that Clear the Air: Energy Use and Pollution in Chile and Indonesia. *The Energy Journal* 19(3):85–106.  
<http://www.jstor.org/discover/10.2307/41322797?uid=374966131&uid=3739584&uid=2&uid=3&uid=26456&uid=67&uid=62&uid=3739256&uid=5912280&sid=21104292109503>

Eskeland, G.S. & Xie, J. (1998) Acting Globally while Thinking Locally: Is the Global Environment Protected by Transport Emission Control Programs? *Journal of Applied Economics* 1(2):385–411.

(Earlier version at <http://www.worldbank.org/research/workingpapers>)

Eskeland, G.S., Sánchez, J. M., Feyzioglu, T. & Ostro, B. (1999) Air Pollution and Health Effects: A Study of Medical Visits among Children in Santiago, Chile. *Environmental Health Perspectives* 107(1):69–73.

Eskeland, G.S. & Harrison, A. E. (2003) Moving to Greener Pastures? Multinationals and the Pollution-haven Hypothesis. *Journal of Development Economics*, \_vol 70, pp 1-23. <http://ideas.repec.org/a/eee/deveco/v70y2003i1p1-23.html>

Eskeland, G.S., Eigen-Zucchi, C. & Shalizi, Z. (2003) Institutions Needed for More than Growth. *Finance & Development*, 2003, 40(2), 42-43  
<http://search.proquest.com/docview/209400553/fulltextPDF>

Eskeland, G.S., Gan, Lin & Kolshus, H. H. (2005) Green electricity market development: lessons from Europe and the U.S. *Energy Policy*, 35: pp. 144-155.  
<http://www.sciencedirect.com/science/article/pii/S0301421505002867>

Eskeland, G.S. & Filmer, D. (2007) Autonomy, Participation and Learning: Findings from Argentine Schools, and implications for Decentralization. *Education Economics*. 15, 1, 103-127. <http://ideas.repec.org/a/taf/edecon/v15y2007i1p103-127.html>

Eskeland, G.S. & Mestl, H. E. (2009) Richer and healthier, but not Greener? Choices concerning household energy use in India. *Energy Policy*, 37(8), 3009-3019  
<http://www.sciencedirect.com/science/article/pii/S0301421509002080>

Eskeland, G.S. & Harstad, B. (2010) Trading for the future: Signaling in permit markets". *Journal of Public Economics*, 2010, 94 (9-10), pp 749-760.  
<http://www.sciencedirect.com/science/article/pii/S0047272710000277>

Eskeland, G.S. & Mideksa, T. (2010) Electricity demand in a changing climate. *Mitigation and Adaptation Strategies for Global Change*, 2010, 15(8), 877-897  
<http://link.springer.com/article/10.1007%2Fs11027-010-9246-x>

Eskeland, G.S., Linnerud, K. & Mideksa, T. (2011) The Impact of Climate Change on Nuclear Power Supply" *Energy Journal*, 2011, vol 32, no1  
<http://www.iaee.org/en/publications/ejarticle.aspx?id=2411>

Eskeland, G.S., Mideksa, T & Rive, N. (2011) Europe's climate goals and the electricity sector. *Energy Policy*, Elsevier, vol. 41(C), 200-211.  
<https://ideas.repec.org/a/eee/enepol/v41y2012icp200-211.html>

Eskeland, G.S. (2012) Electrification of transport: Which emissions are ours? *Economist (Sosialøkonomen, Norwegian, Oktober)*.

Eskeland, G.S. & Kvamsdal, S. (2015) Natural resources and economists. *Economist*, 2015, book review.

Eskeland, G.S., Lindstad, H. (2015) Low carbon maritime transport: How speed, size and slenderness amounts to Substantial Capital Energy Substitution. *Transportation Research Part D* Article accepted for publication: 4-OCT-2015

Eskeland, G.S., Lindstad, Psaraftis, H., Sandaas, I. & Strømman, A. (2015) Maritime shipping and emissions: A three-layered, damage-based approach. 2015. *Ocean Engineering*, 110, 94-101.

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Eskeland, G.S., Lindstad, H. E., (2016) Environmental regulations in Shipping: Policies leaning towards globalization of scrubbers deserve scrutiny. *Transportation Research Part D* 47, 67-76.

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Eskeland, G.S., Ni, Y., Giske, J. & Hansen, J. P. (2016) The global potential for carbon capture and storage from forestry. *Carbon Balance and Management*, 11:3. Springer.

Lindstad, H., E., Eskeland, G., S., Rialland, A., 2017. *Batteries in Offshore Support vessels - Pollution, climate impact and economics*. Accepted for Transportation Research Part D

### **Books, chapters, working papers, and other journals, conferences**

Eskeland, G. S. & Shanta, D. Taxing Bads by Taxing Goods: Pollution Control with Presumptive Charges. *Directions in Development Series*, The World Bank, Washington, D. C., USA. <http://infohouse.p2ric.org/ref/22/21761.pdf>

Eskeland, G.S., Litvack, J. & Rodden, J. editors. (2003). Fiscal Decentralization and the Challenge of Hard Budget Constraints. MIT Press, Cambridge, Mass. <http://mitpress.mit.edu/books/fiscal-decentralization-and-challenge-hard-budget-constraints>

World Development Report, 2003. Sustainable Development. Team member, with Zmarak Shalizi as Director. [http://wdonline.worldbank.org/worldbank/a/c.html/world\\_development\\_report\\_2003/abstract/WB.0-8213-5150-8.abstract](http://wdonline.worldbank.org/worldbank/a/c.html/world_development_report_2003/abstract/WB.0-8213-5150-8.abstract)

EU's ADAM project. Book chapters, lead author and coauthor. Books edited by: Hulme and Neufeldt: Cambridge University Press, 2010. *Making Climate Change work for Us*

- Chapter: Transforming the European Energy System; Eskeland et al.
- Chapter: What can social science tell us about meeting the challenge of climate change. Anthony Patt w. Eskeland and other coauthors. Biermann and Pattberge and Zelli, 2010. *Climate governance beyond 2012*.
- Chapter: Technological change: the role of nonstate actors. Alfsen, Eskeland, Linnerud.

Leadership in climate policy: is there a role for early, unilateral emission reductions? NHH Discussion paper series no 6, 2013. Presented Vigo, Florence, Oslo, Bergen. <https://www.youtube.com/watch?v=VtMsEs-x-Jc>  
[http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2295963](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2295963)

A von Thünen Model of the Commute. Paper presented at Annual Conference of Economics, Stavanger, January 2013.

85 grams. Vehicle taxation and emissions in Norway by 2020. <https://www.toi.no/getfile.php/Publikasjoner/T%C3%98I%20rapporter/2013/1264-2013/1264-2013-elektronisk.pdf>

Agglomeration and the Commute. Forskermøtet, Bergen, jan 6, 2015.

Environmental Taxation in Transport. GGKP Working Paper 05/2015, also presented, GGKP Third Annual Conference, Venice, Italy, 29-30 January 2015.

Reducing Cost and Environmental Impacts through Hybrid Power Options. With Haakon Lindstad, Hans Jørgen Mørch, Harilaos Psarafitis, Inge Sandaas. WMTC 106 2015.

A Crowded City: Agglomeration and Mobility in Urban Development. With Somik Lal, World Bank, mimeographed.