

# CV

## Personal data:

Name: Mads Greaker  
Born: 5. April 1963, Oslo, Norway  
Languages: Norwegian, English (very good written and orally), German (good orally)

## Education:

1998-2002: Ph.D, Department of Economics, University of Oslo  
1995-1997: Cand Polit (M.A.), Economics, University of Oslo, Norway  
1984-1989: Master of Science, Norwegian Institute of Technology, Trondheim  
(Major in Technology Management)

## Professional positions full time:

2015: Visiting researcher Columbia University, Earth Institute, NYC (Fulbright scholarship)  
2011-2014: Head of Research at Statistics Norway, Section for Energy Economics  
2010: Approved by external committee to have "Professor equivalent competence"  
(Forsker 0, Position code 1183, Statistics Norway)  
2010: Visiting researcher at ESOP, Center of Excellence, University of Oslo  
2008: Head of research, Section for Economic Growth and Environmental Economics  
2005-2008: Head of research, Section for Petroleum and Environmental Economics  
2005: Approved by external committee to have "Associate Professor equivalent competence" (Forsker 1, Position code 1110, Statistics Norway)  
2002-2005: Research fellow (Forsker 2), Statistics Norway  
2002: Defended Ph.D thesis at Department of Economics, University of Oslo  
1998-2002: Ph.D Grant at Centre for Development and the Environment, University of Oslo  
1995-1997: Cand Polit in Economics at University of Oslo  
1989-1994: Market manager, Unilever/Orkla AS, Norway  
1984-1989: Master of Science, The Norwegian Institute of Technology

## Professional positions part time:

- Spring 2017, Member of expert group on GMO and cost-benefit analysis, Norwegian Biotechnology Council
- Part time researcher in Environmental Economics at Department of Economics, Gothenburg University, Sweden (from 2008 to 2013)
- Autumn 2013, Member of evaluation committee on Kristina Mohlins Phd thesis, Gothenburg University
- Spring 2012, Member of expert group on GMO and sustainability, Norwegian Biotechnology Council
- Autumn 2009, Member of Secretariat, Expert Panel on Sustainable Development and Climate Change, Ministry of Finance
- Autumn 2006, Member of expert group on biofuels, Norwegian Technology Council
- Autumn 2005, Member of evaluation committee on Swedish Climate Policy Research
- Autumn 2005, First Opponent, Phd thesis Fichre Zehai, Uppsala University, Sweden
- Spring 2005, First Opponent, Lic degree Wisdom Akapalu, Gothenburg University, Sweden

### Articles in scientific journals

- M. Greaker, T. R. Heggedal and K. E. Rosendahl (2017): On the rationale for directing R&D to zero emission technologies, forthcoming *Scandinavian J. of Economics*
- Fischer, C., M. Greaker and K. E. Rosendahl (2017), "Robust Policies against Emission Leakage: The Case for Upstream Subsidies", *J. Environmental Economics and Management*, <http://dx.doi.org/10.1016/j.jeem.2017.02.001>
- M. Greaker and K. Midttømme (2016): Optimal Environmental Policy with Network Effects: Will Pigovian Taxation Lead to Excess Inertia?, *J. Public Economics* 143, p. 27-38.
- Eggert, H. and M. Greaker (2015): Trade and Resources: Welfare effects of the Lake Victoria fisheries boom, *Fisheries Research* 167, p. 156-163
- Eggert, H. and M. Greaker (2014): Promoting Second Generation Biofuels: Does the First Generation Pave the Road?, *Energies* 7: 1-16
- M. Greaker, M. Hoel and K. E. Rosendahl (2014): Does a renewable fuel standard for biofuels reduce climate costs? *Journal of the Association of Environmental and Resource Economists* 1: 337-363
- M. Greaker, P. E. Stoknes, K. H. Alfsen og T. Ericson (2013), A Kantian approach to sustainable development indicators for climate change, *Ecological Economics* 90, p.10-18
- M. Greaker and C. Hagem (2013), Strategic Investment in climate friendly technologies: The impact of permit trade, *Environmental and Resource Economics* 591, p. 65-85
- T. Moe, K. Alfsen and M. Greaker (2013), Sustaining Welfare for Future Generations: A Review Note on the Capital Approach to the Measurement of Sustainable Development, *Challenges in Sustainability*, 1:1, p. 16–26
- Eggert H. and Mads Greaker (2012), "Trade Policies for Biofuels", *Journal of Environment & Development*, 21-2, pp. 281 – 306.
- Jon Hovi, M. Greaker, Cathrine Hagem and Bjart Holtsmark (2012), "A Credible Compliance Enforcement System for the Climate Regime", *Climate Policy*, 12:06, p. 741 - 754.
- H. Eggert and M. Greaker (2011), "Trade, GMOs and Environmental Risk: Are current policies likely to improve welfare?" *Environmental and Resource Economics*, 48, p. 587-608.
- R. Golombek, M. Greaker, S. A. C. Kittelsen, O. Røgeberg and F. R. Aune (2011), Carbon capture and storage technologies in the European power market, *Energy Journal* 32, p. 209-238.
- M. Greaker and T. R. Heggedal (2010), Lock-in and the transition to hydrogen cars: Should governments intervene?, *The B.E. Journal of Economic Analysis and Policy* 10-1 (Contributions), Article 40.
- R. Golombek, M. Greaker and M. Hoel (2010), Carbon Taxes and Innovation without Commitment, *The B.E. Journal of Economic Analysis and Policy* 10-1 (Topics), Article 32.
- M. Greaker and L. Pade (2009), Optimal CO<sub>2</sub> abatement and technological change: Should emission taxes start high in order to spur R&D? *Climatic Change* 96, p. 335-355.
- M. Greaker and K. E. Rosendahl (2008), "Environmental policy with Upstream Pollution Abatement Firms", *Journal of Environmental Economics and Management* 56, p.246-259.
- M. Greaker and E. L. Sagen (2008), "Explaining experience curves for new energy technologies: A case study of liquefied natural gas", *Energy Economics* 30, p.2899-2911.
- K. Alfsen and M. Greaker (2007), "From natural resources and environmental accounting to construction of indicators for sustainable development", *Ecological Economics*, 61 (4), p.600-610.
- M. Greaker (2006), "Eco-labels, Trade and Protectionism", *Environmental and Resource Economics* 33, p. 1-37.
- M. Greaker (2006), "Spillovers in the Development of New, Pollution Abatement Technology: A New Look at the Porter Hypothesis", *Journal of Environmental Economics and Management* 52, p. 411-420.
- M. Greaker (2003), "Strategic Environmental Policy: Eco-dumping or a Green Strategy?", *Journal of Environmental Economics and Management* 45, p. 692-707.
- M. Greaker (2003), "Strategic Environmental Policy when the governments are threatened by relocation", *Resource and Energy Economics* 25, p. 141-154.

### Book contributions and reports

- Fischer C., M. Greaker and K.E. Rosendahl (2016): Are renewable energy subsidies in need of reform, *The Economics and Political Economy of Energy Subsidies* eds. Jon Strand, MIT Press
- M. Greaker (2013), Strategic Environmental Policy, in Shogren J. F., (ed) *Encyclopaedia of Energy, Natural Resource and Environmental Economics*, vol 3, p. 313-320, Amsterdam Elsevier
- Eggert, H., M. Greaker and E. S. Potter (2011). Policies for Second Generation Biofuels – Current Status and Future Challenges, Report 24/2011, Statistics Norway.
- G. Miranda, M. Greaker, K. Krasnowski, Bettina Schaefer and A. Westwood (2011), Climate change, employment and local development in London, UK, OECD Working Paper 2011/05.
- Hoel M., M. Greaker, C. Grorud and I. Rasmussen (2009), Climate Policy: Costs and Design, TemaNord 2009:550, Nordic Council of Ministers.
- Eggert, H. and M. Greaker: "Fish trade – Income possibilities and threat of resource depletion". In *Fisheries, sustainability and development*. Royal Swedish Academy of Agriculture and Forestry, Stockholm, 2009, 419-434.
- M. Greaker (2008), Sustainable development and changes in national wealth for Norway in the period from 1985 to 2007, Working Paper 7, UNECE/OECD/Eurostat Working Group on Statistics for Sustainable Development.
- Glomsrød S., I. Aslaksen, M. Greaker and B. Holtmark (2007), The Economy of the North, Statistical Analysis 84, Statistics Norway.
- M. Greaker (1999), "Environmental Effects of Removing Trade Distortions in the Fishery Sector", in "Protection of Marine Living Resources and International Trade - Conflicts and Synergies", Det juridiske fakultets skriftserie nr. 41, 1999, University of Tromsø.
- Fauchald O. K. and M. Greaker (1998), "Environmental assessment of trade agreements and policy", TemaNord Report 1998, Nordic Council of Ministers, Ole Kristian Fauchald and Mads Greaker, Editors
- M. Greaker (1998), "Eco-dumping: Should GATT be reformed" in "Production and Trade - Environment and Development", SUM Report nr. 8, 1998, SUM.

### Working papers

- R. Golombek, M. Greaker, S. Gaure, S. A. C. Kittelsen and K.E. Rosendahl (2016), Promoting CCS in Europe: A case for green strategic trade policy? CREE Working Paper 05/2016
- L. Lindholt, K. Grimsrud and M. Greaker (2015), Resource rent in Norwegian Fisheries, Discussion paper 827, Statistics Norway.
- R. Golombek, M. Greaker and M. Hoel (2010), Innovation Prizes for Environmental R&D, CREE working paper 15/2015.
- J.J. Andersen and M. Greaker (2014), "The fiscal incentive of Cap and Trade: Carbon permits may be too cheap and developed countries may abate too little", Discussion Paper, Statistics Norway (*Revise and Resubmit, Environmental and Resource Economics*)
- Fischer, C., M. Greaker and K. E. Rosendahl (2014), "Strategic Environmental Technology Policy as a Supplement to Green Certificates", (*Revise and Resubmit, Resource and Energy Economics*).
- M. Greaker and M. Hoel (2011), Incentives for Environmental R&D, Memo 15/2011, Department of Economics, University of Oslo

### Some publications in Scandinavian

- M. Greaker (2016): Verdiskapning i kraftsektoren – historiske perspektiver og framtidsutsikter, SSB rapport 2016/34
- R. Golombek, M. Greaker og S. Kverndokk (2015): Virkemidler som kan fremme utvikling og bruk av miljøteknologi, Vedlegg til NOU 2015: 15 - Sett pris på miljøet — Rapport fra grønn skattekommisjon.

- M. Greaker og O. Rossnes (2015): Robuste norske klimamålsetninger, Samfunnsøkonomen 1/2015
- M. Greaker og K. Grimsrud (2013): Hvordan sikre bærekraftig forvaltning av økosystemer? Samfunnsøkonomen 3/2013
- M. Greaker, C. Hagem og J. Hovi (2013): Hvordan kan en internasjonal klimaavtale håndheves? Samfunnsøkonomen 2/2013
- M. Greaker m/flere (medlem av sekretariatet), *Globale miljøutfordringer – norsk politikk*. NOU 2009:16.
- Hoel M. and M. Greaker, Internasjonellt samarbeide, teknisk utveckling och klimat, Swedish Economic Forum Report 2009.
- Greaker, M. og C. Hagem, Det globale klimatet: Vad kan et litet land som Norge bidra med? Økonomisk Debatt 4, 2008, 44-55.
- Greaker M. og Liselotte Pade (2008): Klimapolitikk og teknologisk utvikling, Samfunnsøkonomen, Danmark 4/2008.
- N. Greaker og K. E. Rosendahl (2007): Klimapolitikk, teknologiutvikling og markedsrett, Økonomisk Forum 5/2007
- Bruvold, A., T. Bye og M. Greaker (2007): Lavutslippsutvalget: No limits to growth?, Økonomisk Forum 2/2007.
- M. Greaker, Pål Løkkevik og Mari Walle (2005), "Utviklingen i den norske nasjonalformuen fra 1985 til 2001", Vedlegg 2 i NOU 2005:5. (Also published as SSB Rapport 2005/13)
- M. Greaker (2002): Konflikt mellom handel og miljø, eller burde miljøbevegelsen omfavne frihandel, Økonomisk forum 7/2002.
- Torstein Bye, Mads Greaker og Knut Einar Rosendahl (2002), "Grønne sertifikater og læring", (Green Certificates and learning), Report Statistics Norway 2002/27.

#### Ph.D. dissertations

- Mads Greaker (2002), "3 essays on the relationship between industrial competitiveness and environmental policy", Ph.D dissertation University of Oslo.

#### Project leader experience (from research):

- Norwegian Research Council: Industrial competitiveness and environmental regulation (NFR-FRISAM), Optimal public support of GHG mitigation technologies (NFR-RENERGI), Sustainable introduction of biofuels (NFR-FRIENERGI).
- Statistics Norway: Sustainable development indicators and national wealth.

#### Teaching experience:

- Autumn 2004-2013, Master degree course in special topic "Environmental Economics - International Issues", University of Gothenburg
- Autumn 2005/2006, Master degree seminars in Game Theory and Decisions under Uncertainty, University of Oslo
- Spring 2005, 50% responsible for Bachelor degree course in Environmental and Resource Economics, University of Oslo
- Spring 2003/2004, 30% responsible for Master degree course in Environmental Economics, University of Oslo
- Autumn 2001, 100% responsible for Bachelor degree course in Open Macro Economics, University of Oslo
- Spring 2001/2006/2007/2012, 50% responsible for Master degree course in Imperfect Competition and Strategic Interaction, University of Oslo

Referee experience:

American Economic Review, Ecological Economics, Energy Economics, Scandinavian Journal of Economics, Journal of Environmental Economics and Management, Environmental and Resource Economics, Resource and Energy Economics, American Journal of Agricultural Economics, European Economic Review, Berkley Electronic Press, Canadian Journal of Economics