

CURRICULUM VITAE

Michael Hoel

Education:

Candidate of Economics, University of Oslo, June 1972

Lic. Philos., University of Oslo, June 1975

Dr. Philos., University of Oslo, June 1978

Current professional positions:

- Professor emeritus of Economics, Department of Economics, University of Oslo (since 2017).
- Scientific Advisor of the *Frisch Centre of Economic Research* (<http://www.frisch.uio.no>)
- Associate researcher at *Vista Analyse*
- Fellow at *The Beijer Institute of Ecological Economics*
- Fellow at *CESifo*
- Fellow at *EAERE*

Previous positions and visits:

- Professor of Economics, Department of Economics, University of Oslo (1981-2017).
- Area Director of Energy and Climate Economics at *CESifo* (2009-2019)
- Editor (joint with Charles Kolstad) of *Resource and Energy Economics*. 2002-2005.
- Leader of a research group in Environmental Economics at the Centre for Advanced Study at the Norwegian Academy of Science and Letters, August 2005 to June 2006.
- Visiting Researcher at the University of California, Santa Barbara (Dept. of Economics) fall 1999 and fall 2001.
- Visiting Researcher at the University of California, Berkeley (Dept. of Agricultural and Resource Economics) fall 1995 and fall 1996.
- Senior Researcher at CICERO (Center for International Climate and Energy Research, Oslo) from August 1991 to December 1992.
- Consultant at OECD, June to August 1988.
- Special Consultant at Norges Bank (The Central Bank of Norway), August 1984 to July 1985.
- Special Consultant at The Ministry of Finance in Norway, January to September 1978.
- Visiting Associate Professor at Department of Economics, University of California, San Diego, January to July 1982.
- Visiting Scholar at Department of Economics, M.I.T., July 1976 to May 1977.
- Assistant and Associate Professor at the University of Oslo (1972-1980).

Prizes and rewards:

- The Sören Wibe Prize 2016 for “a paper that presents considerable development in empirical knowledge or methodology in the field of forest economics and is published in the *Journal of Forest Economics* during the two preceding years”. (For “Faustmann and the climate” with coauthors Bjart Holtsmark and Katinka Holtsmark, published in 2014).
- The *SJE* Prize for the best article published in 2011 in *The Scandinavian Journal of Economics*. (For “The Supply Side of CO₂ with Country Heterogeneity”, published in the 2011 Special Issue, Climate Change and Distribution.)
- EAERE European Lifetime Achievement Award in Environmental Economics, 2011 (from the European Association of Environmental and Resource Economists).
- Honorary Doctor at the Carl von Ossietzky University of Oldenburg, 2009.
- The Eric Kempe Award in Environmental and Resource Economics, 2000 (from the European Association of Environmental and Resource Economics).
- The Research Prize of the University of Oslo, 1997.
- The 1996 Award for Outstanding Contributions to the Profession of Energy Economics and to its Literature (from the International Association for Energy Economics).

Current research interests:

Environmental economics

Energy and climate economics

Publications since 2011 (full list [here](#))

- Hagem, Cathrine, Hoel, Michael and Sterner, Thomas (2020), " Refunding Emission Payments: Output-Based Versus Expenditure-Based Refunding", *Environmental and Resource Economics* 77: 641–667
- Hoel, Michael (2020), "The Rise and Fall of Bioenergy", *Journal of Environmental Economics and Management* 101 (May).
- Golombek, Rolf, Greaker, Mads and Hoel, Michael (2020), Should environmental R&D be prioritized? *Resource and Energy Economics* 60 (May).
- Geir B. Asheim, Taran Fæhn, Karine Nyborg, Mads Greaker, Cathrine Hagem, Bård Harstad, Michael O. Hoel, Diderik Lund, Knut Einar Rosendahl (2019), “The case for a supply-side climate treaty”, *Science* 365 (6451), 325–327.
- Hoel, Michael, Sverre A.C. Kittelsen and Snorre Kverndokk (2019), Correcting the Climate Externality: Pareto Improvements Across Generations and Regions, *Environmental and Resource Economics* 74, 449–472.
- Greaker, Mads; Hoel, Michael; Golombek, Rolf (2019), “Global Impact of National Climate Policy in the Nordic Countries”. In *Nordic Economic Policy Review*:

Climate Policies in the Nordics. Nordic Council of Ministers.

- Hoel, Michael and Sletten, Thea Marcelia, "Climate and forests: The tradeoff between forests as a source for producing bioenergy and as a carbon sink", *Resource and Energy Economics*, Volume 43, February 2016, pp 112-129.
- Hoel, Michael, "Supply Side Climate Policy and the Green Paradox", In Pittel, K., van der Ploeg, R. and Withagen, C. (eds.): *Climate Policy and Nonrenewable Resources. The Green Paradox and Beyond*. MIT Press, 2014.
- Greaker, Mads, Michael Hoel and Knut Einar Rosendahl, "Does a Renewable Fuel Standard for Biofuels Reduce Climate Costs?", *Journal of the Association of Environmental and Resource Economists*, Vol. 1, No. 3 (September 2014), pp. 337-363.
- Hoel, Michael, Bjart Holtsmark and Katinka Holtsmark, "Faustmann and the Climate", *Journal of Forest Economics* 20, 192-210 (2014).
- Hoel, M. and de Zeeuw, A., "Technology Agreements with Heterogeneous Countries", in Todd L. Cherry, Jon Hovi and David McEvoy (editors): *Toward a New Climate Agreement: Conflict, Resolution and Governance*. Routledge, 2014.
- Holtsmark, B., M. Hoel and K. Holtsmark, [Optimal harvest age considering multiple carbon pools – A comment](#), *Journal of Forest Economics*, [Volume 19, Issue 1](#), 2013, Pages 87–95 (2013).
- Hoel, M. and Holtsmark, B., "Haavelmo on the climate issue", *Nordic Journal of Political Economy*, Volume 37(2012).
- Cutting Costs of Catching Carbon - Intertemporal effects under imperfect climate policy (with Svern Jensen), *Resource and Energy Economics*, 34, 680–695 (2012).
- Carbon taxes and the green paradox. In R. Hahn and U. Ulph (eds.): *Climate Change and Common Sense: Essays in Honour of Tom Schelling*, Oxford University Press (2012).
- The Supply Side of CO2 with Country Heterogeneity, *Scandinavian Journal of Economics*, Volume 113, Issue 4, December 2011, Pages: 846–865 (2011)
- The green paradox and greenhouse gas reducing investments. *International Review of Environmental and Resource Economics*: Vol. 5:No 4, pp 353-379 (2011).
- International Cooperation on Climate-Friendly Technologies (with Rolf Golombek), *Environmental and Resource Economics* 49, 473-490 (2011).

Selected publications in Norwegian since 2011:

- Nasjonalbudsjettet: Utsikter for petroleum, klima og elbiler. Samfunnsøkonomen nr. 5, 2020.
- Klimapris og utslipp transport. Vista Analyse rapport 2020/3 (med Audun Moss og Haakon Vennemo).
- Økonomisk analyse av HILP-hendelser. Vista Analyse rapport 2018/31 (med Haakon Vennemo).

- Paris-avtalen og oljeeksporten. *Samfunnsøkonomen* nr. 3, 2018 (med Taran Fæhn, Geir Asheim, Mads Greaker, Cathrine Hagem, Bård Harstad, Diderik Lund, Karine Nyborg, Knut Einar Rosendahl og Halvor Storrøsten).
- Avslutning av oljefelt. Vista Analyse rapport 2018/36.
- Skogbruk og klima, *Samfunnsøkonomen* nr. 1, 2017
- Den norske stats eksponering overfor fossil-relaterte inntekter. Vista Analyse rapport 2017/4. (Med Nina Bruvik Westberg)
- Økonomiske parametere og forventete verdier av petroleumsressurser og reserver. Rapport 2015/61 fra Vista Analyse (med Pernille Parmer og Steinar Strøm).
- Klimahandlingsregel i Norge. Rapport 2014/33 fra Vista Analyse (med Annegrete Bruvoll).
- Avkastningskrav ved investering i kabler til England og Tyskland. Rapport 2014/03 fra Vista Analyse (med Arndt von Schemde og Henning Wahlquist).
- Offshorebeskatning knyttet til investeringer i fornybar kraft. Rapport 2013/01 fra Vista Analyse.
- Bør vi subsidiere fornybar energi? *Samfunnsøkonomen* 2013 ;Volum 127.(2) s. 4-7.
- Klimapolitikk og lederskap – hvilken rolle kan et lite land spille? Utredning for "Expertgruppen för miljöstudier". Rapport 2012/05 fra Vista Analyse.
- Tariffering og bruk av gassinfrastruktur. Rapport nr 2012/07 fra Vista Analyse (med Dag Morten Dalen og Steinar Strøm).
- Verdsetting av økosystemtjenster. Rapport nr 2012/08 fra Vista Analyse (med Dag Morten Dalen og Steinar Strøm).
- Betydningen av karbonlekkasje for norsk næringsliv. Rapport nr 2012/06 fra Vista Analyse (med Annegrete Bruvoll og Haakon Vennemo).
- Systematisk usikkerhet i norsk økonomi. Rapport nr 2012/40 fra Vista Analyse (med Haakon Vennemo og Henning Wahlquist).
- Kalkulasjonsrenten. Rapport nr 2012/44 fra Vista Analyse (med Steinar Strøm).