

# Curriculum vitae

## ROLE IN THE PROJECT

Project manager  Work package leader   
Project partner  Other (specify)  Key researcher in WP.3

## PERSONAL INFORMATION

*Family name, First name:	Holtmark, Bjart		
*Date of birth:	05.12.1956	*Sex:	Male
*Nationality:	Norwegian		

## HIGHER EDUCATION/OTHER TRAINING

	Subjects/degree/	Name of institution, country
1986	Cand. Oecon.	University of Oslo, Department for Economics
2016	Dr. philos.	University of Oslo, Department for Economics

## POSITIONS (academic, business, industry, public sector, national or international organisations)

### Current Position

2002-	Senior Research Fellow, Statistics Norway
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### Previous positions held (list)

2000-2001	Assistant Director General, Tax Department, Norwegian Ministry of Finance
1995-1999	Senior Research Fellow, CICERO
1990-1994	Research Fellow, Statistics Norway
1988-1989	Executive Officer, Planning Department, Norwegian Ministry of Finance
1986-1987	Research fellow, University of Oslo, Department for Economics

## PUBLICATIONS

- Publications, technical reports, peer-review assignments, etc.
- Presentations at workshops or conferences (national/international level)
- Positions in professional associations / networks

## EXTERNAL AFFILIATIONS

Research Network Member to the Ifo Institute and Centre for Economic Studies at the University of Munich.

## AWARDS

The Sören Wibe Prize for the best article in *Journal of Forest Economics* 2014-2015.

## DISSERTATION

Holtsmark, B. (2016) Seven essays on policies and international cooperation to abate emissions of greenhouse gases. Faculty of Social Sciences, University of Oslo.

## ARTICLES IN INTERNATIONAL JOURNALS WITH PEER REVIEW

1. Malcolm, J. R., Holtsmark, B., & Piascik, P. W. (2020). Forest harvesting and the carbon debt in boreal east-central Canada. *Climatic Change*. doi:10.1007/s10584-020-02711-8
2. Holtsmark, B., & Weitzman, M. L. (2020). On the Effects of Linking Cap-and-Trade Systems for CO<sub>2</sub> Emissions. *Environmental and Resource Economics*, 75(3), 615-630. doi:10.1007/s10640-020-00401-8
3. Searchinger, Timothy D., Tim Beringer, Bjart Holtsmark, Daniel M. Kammen, Eric F. Lambin, Wolfgang Lucht, Peter Raven, and Jean-Pascal van Ypersele. 2018. "Europe's renewable energy directive poised to harm global forests." *Nature Communications* 9:3741. doi: 10.1038/s41467-018-06175-4.
4. Holtsmark, B. (2015). A comparison of the global warming effects of wood fuels and fossil fuels taking albedo into account. *GCB Bioenergy*, 7, 984-997.
5. Holtsmark, B. (2015) Quantifying the global warming potential of CO<sub>2</sub>-emissions from wood fuels. *GCB Bioenergy*, 7(2), 195-206.
6. Holtsmark, B., & Skonhoft, A. (2014). The Norwegian support and subsidy policy of electric cars. Should it be adopted by other countries? *Environmental Science & Policy*, 42, 160-168.
7. Holtsmark, B. (2013). Boreal forest management and its effect on atmospheric CO<sub>2</sub>. *Ecological Modelling*, 248(0), 130-134.
8. Hoel, M., B. Holtsmark (2012) Haavelmo on the Climate Issue. *Nordic Journal of Political Economy* 37, article 5.
9. Holtsmark, B. (2013). The outcome is in the assumptions: analyzing the effects on atmospheric CO<sub>2</sub> levels of increased use of bioenergy from forest biomass. *GCB Bioenergy*, 5(4), 467-473.
10. Hoel, M., Holtsmark, B., & Holtsmark, K. (2014). Faustmann and the climate. *Journal of Forest Economics*, 20 (2), 192-210.
11. Haberl, H., Schulze, E.-D., Körner, C., Law, B. E., Holtsmark, B., & Luysaert, S. (2013). Response: complexities of sustainable forest use. *GCB Bioenergy*, 5(1), 1-2.
12. Holtsmark, B., & Sommervoll, D. E. (2012). International emissions trading: Good or bad? *Economics Letters*, 117(1), 362-364.
13. Hovi, J., Greaker, M., Hagem, C., & Holtsmark, B. (2012). A credible compliance enforcement system for the climate regime. *Climate Policy*, 12(6), 741-754.
14. Holtsmark, B. (2012). Harvesting in boreal forests and the biofuel carbon debt. *Climatic Change*, 112(2), 415-428.
15. Godal, O., & Holtsmark, B. (2011). Permit Trading: Merely an Efficiency-Neutral Redistribution away from Climate-Change Victims? *The Scandinavian Journal of Economics*, 113(4), 784-797.

16. Hagem, C., Holtsmark, B., (2011). Is the clean development mechanism compatible with an ambitious climate agreement? *Environmental Economics* 2, 24-35.
17. Røgeberg, O. J., S. Andresen, B. Holtsmark (2010). International climate treaties: The case for pessimism. *Climate Law* 1, 177-197.
18. Asheim, G. B., & Holtsmark, B. (2009). Renegotiation-Proof Climate Agreements with Full Participation: Conditions for Pareto-Efficiency. *Environmental and Resource Economics*, 43(4), 519-533.
19. Holtsmark, B., (2006). Are global per capita CO<sub>2</sub>-emissions likely to remain stable? *Energy & Environment* 17 2, 207 - 219.
20. Hovi, J., & Holtsmark, B. (2006). Cap-and-trade or carbon taxes? The feasibility of enforcement and the effects of non-compliance. *International Environmental Agreements: Politics, Law and Economics*, 6(2), 137-155.
21. Holtsmark, B., & Alfsen, K. H. (2005). PPP Correction of the IPCC Emission Scenarios – Does it Matter? *Climatic Change*, 68(1-2), 11-19.
22. Holtsmark, B., & Alfsen, K. H. (2004). The use of PPP or MER in the construction of emission scenarios is more than a question of “metrics”. *Climate Policy*, 4(2), 205-216.
23. Holtsmark, B. (2003). Russian behaviour in the market for permits under the Kyoto Protocol. *Climate Policy*, 3(4), 399-415.
24. Holtsmark, B., & Mæstad, O. (2002). Emission trading under the Kyoto Protocol—effects on fossil fuel markets under alternative regimes. *Energy Policy*, 30(3), 207-218.
25. Godal, O., & Holtsmark, B. (2001). Greenhouse gas taxation and the distribution of costs and benefits: the case of Norway. *Energy Policy*, 29(8), 653-662.
26. Ringius, L., Torvanger, A., & Holtsmark, B. (1998). Can multi-criteria rules fairly distribute climate burdens?: OECD results from three burden sharing rules. *Energy Policy*, 26(10), 777-793.

#### **ARTICLES PUBLISHED IN NORWEGIAN JOURNALS WITH PEER REVIEW**

27. Holtsmark, B.: Elektrifisering av veitransport – miljøeffekter og kostnader. Kommert i *Samfunnsøkonomen*.
28. Hagem, C., og B. Holtsmark: Er det noen fremtid for CDM-ordningen? *Samfunnsøkonomen* 5/2008, 10-18.
29. Holtsmark, B., 2007: Internasjonalt klimasamarbeid. Hvorfor skjer det så lite? *Økonomisk forum* 5 2007.
30. Holtsmark, B. og K H. Alfsen , 2004. Kyoto-protokollen - et mislykket prosjekt? *Internasjonal politikk* 62 3, 413-433. (ISSN 0020-577x)
31. Holtsmark, B., 1999. Kostnadseffektiv klimapolitikk med doble gevinster. *Norsk Økonomisk Tidsskrift* 113 1, 49-70. (ISSN 0801-9568)
32. Hovi, J. and B. Holtsmark, 1998. Betingete standpunkter i klimaforhandlingene. *Norsk Statsvitenskapelig Tidsskrift* 14 4, 353-374.
33. Holtsmark, B., 1993. Når etterkrigsbarna blir alderspensjonister. Befolkningsutviklingen og folketrygden i et makroøkonomisk perspektiv. *Norsk Økonomisk Tidsskrift* 107, 41-66. (ISSN 0039-0720)
34. Holtsmark, B., 1993. Skatter, avgifter og eksternaliteter – en kommentar til Haakon Vennemo. *Norsk Økonomisk Tidsskrift* 107, 205-220. (ISSN 0039-0720)

35. Holtsmark, B., 1988. Underskudd på driftsregnskapet og fast valutakurs: Betyr det en høy eller en stigende rente? *Sosialøkonomen* 3 1988: 21—23.
36. Hoel, M. and B. Holtsmark, 1987. Europas gassmarked som et forhandlingsmarked. *Sosialøkonomen* nr 8 1987:20—25.

#### ARTICLES BOOKS

37. Holtsmark, B. (2015) Is Increased Use of Biofuels from Forests a Good Idea? In P. E. Stoknes and K. Eliassen (ed): Science Based Activism. Festschrift to Jorgen Randers (2015), Ch 15, p 293-309.
38. Holtsmark, B. (2013) International cooperation on climate change: why is there so little progress? Chapter 13 in R. Fouquet (ed) Handbook on Energy and Climate Change. Edward Elgar.
39. Holtsmark, B., Befolkning, ressurser og klima. Artikkel i årbok for Det Norske Videnskapsakademi 2009.
40. Hagem, C. and B. Holtsmark, 2004, The Kyoto Protocol - Insignificant Impact on Global Emissions, in V. Grover (ed.), Climate Change: Perspectives Five Years After Kyoto". Science Publishers Inc., USA.
41. Holtsmark, B., 2004: Beskatning av småforetak. I Robert Pålsson (red): Årbok for Nordisk skatteforskning 2004, side 153-170
42. Holtsmark, B., 2001: Norsk generalrapport. Om skattekonkurranse. I Robert Pålsson (red): Årbok for Nordisk skatteforskning 2001, side 37-48.
43. Holtsmark, B. and Ottar Mæstad, 2001, "The Kyoto Protocol and the fossil fuel markets under different emission trading regimes", 334-360, in E. Hope, L. Melamed and M. Lychagin (ed.): *Electricity Economics*. Publishing House of the Sibirian Branch of the Russian Academy of Sciences, Russia. (Translated/slightly revised version of Holtsmark and Mæstad (2002).)
44. Vislie, J., B. Holtsmark, M. Hoel (1990) The European gas market as a bargaining game. In O. Bjerkholt and Ø. Olsen: Recent Modelling Approaches in Applied Energy Economics. Chapman and Hall, London.

#### ARTICLES IN INTERNATIONAL MAGAZINES

45. Holtsmark, B., 2004. Misleading critique of the Intergovernmental Panel on Climate Change. Royal Economic Society's Newsletter April 2005

#### REPORTS/NOTES ETC

46. Holtsmark, B. (2017) Multinomial logit estimation of transition probabilities for workers in government sector, municipal sector, private sector with and without contractual pensions (AFP) and self-employed. Documents 32/2017. Statistisk sentralbyrå.
47. Holtsmark, B., & Bjertnæs, G.H.M (2015). The size of the marginal cost of public funds (MCF). Rapport 2015/13. Statistisk sentralbyrå.
48. Holtsmark, B., Virkningen på klimagassutslipp ved økt bruk av biodrivstoff – en litteraturgjennomgang. Rapport no 44/2010. Statistisk sentralbyrå.
49. Holtsmark, B. and Kyrre Aamdal, 1992. Makroøkonomiske konsekvenser av befolkningsutviklinga. Attachment to NOU 1992:1 *Trygghet – Verdighet – Omsorg*.

