

# CV

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**Name:** Brita Bye  
**Date of birth:** 12. 11.1962  
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## Education

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1997 Ph.D. (Dr. Polit), Department of Economics, University of Oslo, 1997.  
Dissertation: "Intertemporal Analyses of Tax Policies in Open Economies". Supervisor: Professor Diderik Lund.

1989/1990 Research Fee student at London School of Economics, London, UK.

1987 MSc (Cand. Oecon). Department of Economics, University of Oslo.

## Professional experience

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2008 - Senior Research Fellow, Division for economic growth and the environment, Research Department, Statistics Norway.

2002 – 2008 Senior Research Fellow and Head of Research, Division for economic growth and efficiency, Research Department, Statistics Norway. (Maternity leave 2003). Head of Research implies that I had economic and personnel administration responsibilities for the members of my Division, 6 to 8 persons.

2000-2002 Research fellow and leader of the group "Structural policy, efficiency and welfare" Division for macroeconomics, Research department, Statistics Norway.

1999-2000 Senior adviser in Division for Tax Policy analyses, Ministry of Finance.

1997-1999 Research fellow, Division for macroeconomics, Research department, Statistics Norway.

1991-1997 Ph.D student and Economist, Division for macroeconomics, Research department, Statistics Norway. (Maternity leave 1.5.1992 to 1.9.1993, 50% position 1.9.1993 to 1.9.1994.)

1987-1990 Economist in Statistics Norway, Division for energy and environmental analyses, Research department, Statistics Norway.

1985-1986 Student on engagement, Division for energy and environmental analyses, Research department, Statistics Norway.

1986 Student on engagement, Department of Economics, University of Oslo.

## **Board and Committee membership**

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2007- Member of the advisory board for the Norwegian Tax Research Council, Norwegian Research Council.

2006- Member (suppleant) of the advisory board for the Nordic Scientific Tax Research Council.

2008 Member of The Programme Committee for the 16'th Annual Congress of Environmental and Resource Economists in Gothenburg.

2006-2007 Leader of the officially appointed committee assessing Excise Taxation in Norway ("Særvavgiftsutvalget", Ministry of Finance). The committee consisted of 12 experts in the field and delivered its report [NOU 2007:8 En vurdering av særvavgiftene](#) to the Ministry of Finance at the end of June 2007.

2006-2007 Member of the organizing committee for a Workshop in "*Macroeconomic modeling*" in a North European consortium of empirical macroeconomic modeling institutions, January 2007, Oslo.

2006 Member of The Programme Committee for the Third World Congress of Environmental and Resource Economists in Kyoto.

2005 Member of the organizing committee for the Workshop "*Climate change policies and induced technological change - national and international perspectives*" financed by the Samstemt programme, Norwegian Research Council, 19-21 October 2005, Oslo.

2001 – 2003 Member of the Ministry of Finance advisory council for Macro Economic Modeling.

2002 – 2003 Member of the officially appointed committee assessing VAT taxation and the Public sector (Ministry of Finance) from January 2002 to December 2002. [NOU 2003:3, Merverdiavgiften og kommunene – konkurransevridninger mellom kommunene og private, \(Value Added Taxation and Local Municipalities – Diverting Competition between Local Municipalities and Private Producers\)](#), Ministry of Finance.

2002 Member of a scientific evaluating committee at the "Høgskolen i Telemark", Bø.

## **Project leader experiences**

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2000 – Annual contract with the Ministry of Finance regarding development and operation of the large numerical CGE-model, MSG-6, 3 man labour-years each year.

2005 – 2008 "Innovation and abatement policies in a small, open petroleum producing economy ", Financed by RENERGI, Norwegian Research Council. 4 man labour years. Five other researchers (incl. a Ph.D. student) are involved in the project. This project is a continuation of the project "Innovation Policies versus abatement policies in a small, open economy with climate restriction".

2004 - 2005 "Innovation Policies versus abatement policies in a small, open economy with climate restriction", Financed by SAMSTEMT, Norwegian Research Council, 6 man labour years. Five other researchers (incl. a Ph.D. student) were involved in the project.

2001 – 2002 "Effects on efficiency and distribution of direct vs. indirect taxation" financed by the Tax Research programme, Norwegian Research Council, 2 man labour-years.

1997-1998 "Welfare effects of environmental taxes and green tax reforms" financed by the Tax Research programme, Norwegian Research Council.

1992-1995 Ph.D. project "Intertemporal general equilibrium analysis", financed by the SAMMEN-project, Norwegian Research Council.

### **Publications in international refereed journals**

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Bye, B. and T. Åvitsland (2003): [The welfare effects of housing taxation in a distorted economy: A general equilibrium analysis](#), *Economic Modelling* **20**, 2003, 895-921.

Bye, B. and K. Nyborg (2003): [Are Differentiated Carbon Taxes Inefficient? A General Equilibrium Analysis](#), *Energy Journal* **24** (2), 2003, 1-18.

Bye, B., S. Kverndokk and K. E. Rosendahl (2002): [Mitigation costs, distributional effects and ancillary benefits of carbon policies in the Nordic Countries, the UK and Ireland: A survey of model results](#), *Mitigation and Adaptation Strategies for Global Change* **7**, 2002, 339-366. (The publication is printed in 2003.)

Bye, B. (2002): [Taxation, unemployment and growth: Dynamic welfare effects of "green" policies](#), *Journal of Environmental Economics and Management* **43**, 1-19.

Bye, B. (2000a): [Environmental tax reform and producer foresight: An intertemporal computable general equilibrium analysis](#), *Journal of Policy Modeling*, Vol. 22, No. 6, 719-752.

### **Publications in Books**

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Bye, B. (2000b): Labour market rigidities and environmental tax reforms: Welfare effects of different regimes, i Harrison, G. W., L. Haagen Pedersen, T. F. Rutherford and S. E. Hougaard Jensen (eds): *"Using Dynamic Equilibrium Models for Policy Analysis"*, 259-294, North-Holland.

### **Publications in Norwegian Journals**

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Bye, B., T. Fæhn og T.R. Heggedal (2008): Forskning og utvikling i næringslivet: - politiske intensjoner og valg av virkemidler, *Økonomiske analyser nr. 6*, Statistics Norway.

Bye, B., C. Hagem and S. Kverndokk (2007): Sære avgifter? Anbefalinger fra særavgiftsutvalget, *Økonomisk Forum, nr. 7*.

Bye, B. and T. Åvitsland (2002): [Virkninger av merverdiavgiftsreformen og fjerning av investeringsavgiften](#), *Økonomiske Analyser nr. 6*, Statistics Norway.

Bye, B. (2001): Hemmer oljepengene effektivisering av offentlig sektor?, *Økonomisk Forum, 2. 6-7*.

Bye, B. and K. Nyborg (2000): Gratis utslippskvoter versus differensierte karbonskatter, *Sosialøkonomen*, 1, 26-31.

Bye, B. (1998): Optimal miljøbeskatning - teori og empiri, *Norsk økonomisk tidsskrift*, November 1998.

Bye, B. og H.T. Mysen (1991): Energisubstitusjon, forurensninger og virkemidler. *Sosialøkonomen* nr. 2.

Bye, B., T. Bye og L. Lorentsen (1989): [Kan miljøvern og økonomisk vekst kombineres ?](#) *Økonomiske analyser* nr. 5, Statistisk sentralbyrå.

Bye, B. og A. Aaheim (1988): [Innføring av gasskraft](#). *Økonomiske analyser* nr. 3, Statistisk sentralbyrå.

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### Other Publications in Norwegian

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Bye, B., E. Holmøy and B. Strøm (1999): Effektivitetsvirkninger av en "flat" skattereform, i "*Flatere skatt*", *NOU 1999:7*, Vedlegg 5, 240-261, Ministry of Finance.

Bye, B., T. Bye og L. Lorentsen (1989): SIMEN - Studier av Industri, Miljø og Energi fram mot år 2000, Fabritius Forlag A.S.

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### PhD thesis

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Bye, B. (1997): Intertemporal analyses of tax policies in open economies, *Økonomiske doktoravhandlinger nr. 38*, Department of Economics, University of Oslo.

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### Discussion papers/Reports

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Bye, B., T. Gunnes og B.M. Larsen (2008): [Konsummodellen i MSG6 ved økonomisk vekst: En analyse av utviklingen i energiforbruket og teknologisk endring](#), *Rapporter 2008/22*, Statistics Norway.

Bye, B, T. Fæhn, T. R. Heggedal, Karl Jacobsen, and B. Strøm (2008): [An innovation and climate policy model with factor-biased technological change: A small, open economy approach](#), *Reports 2008/22*, Statistics Norway.

Bye, B., T. Fæhn, and T.-R. Heggedal (2007): [Welfare and growth impacts of innovation in a small, open economy: An applied general equilibrium analysis](#), Discussion Papers 510, Statistics Norway.

Bye, B., B. Strøm and T. Åvitsland (2003): [Welfare effects of VAT reforms: A dynamic general equilibrium analysis](#), *Discussion Paper 343*, Statistics Norway. Also published in Rapport 68, *Tax Research Programme*, Norwegian Research Council.

Bye, B. and T. Åvitsland (2001): [The welfare effects of housing taxation in a distorted economy: A general equilibrium analysis](#), *Discussion Paper 306*, Statistics Norway. Also published in Rapport 65, *Tax Research Programme*, Norwegian Research Council.

Bye, B. and K. Nyborg (2001): [The welfare effects of carbon policies: Grandfathered quotas versus differentiated taxes](#), Discussion Papers 261, Statistics Norway.

Bye, B., E. Holmøy and B. Strøm (1999): The effects on economic efficiency of a flat tax reform: The importance of general equilibrium effects, *Rapporter 99/26*, Statistics Norway.

Bye, B. (1998): [Labour market rigidities and environmental tax reforms: Welfare effects of different regimes](#), Discussion Papers 242, Statistics Norway.

Bye, B. (1996): [Environmental tax reform and producer foresight: An intertemporal computable general equilibrium analysis](#), Discussion Papers 185, Statistics Norway.

Bye, B. (1996): [Taxation, unemployment and growth: Dynamic welfare effects of “green” policies](#), Discussion Papers 183, Statistics Norway.

Bye, B. and E. Holmøy (1992): Dynamic equilibrium adjustments to a terms of trade disturbance. *Discussion paper 72*, Statistisk sentralbyrå.

Bye, B. (1992): Modelling Consumers' Energy Demand. *Discussion Paper 68*, Statistisk sentralbyrå.

Bye, B., T. Bye and L. Lorentsen (1989): SIMEN - Studies of Industry, Environment and Energy towards 2000. *Discussion Paper No. 44*, Statistisk sentralbyrå.

### **Other publications**

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Bye, B. (2008): [Macroeconomic modelling for energy and environmental analyses: Integrated economy-energy-environment models as efficient tools](#), *Documents 2008/14*, Statistics Norway.

Bye, B, T. Fæhn, T. R. Heggedal and B. Strøm (2006): [A CGE model of induced technological change: A detailed model description](#), *Documents 11/2006*.

Bye, B. and E. Holmøy (1997): Household behaviour in the MSG-6 model, *Documents 97/13*, Statistics Norway.

Bye, B. (1997): Imperfeksjoner i arbeidsmarkedet: Konsekvenser for velferdseffekter av en grønn skattereform, *Notater 97/70*, Statistisk sentralbyrå.

Bye, B. (1990): MODAG W benyttet til energi- og miljøanalyser: Dokumentasjon av SIMEN-beregningene. *Interne notater nr. 90/5*, Statistisk sentralbyrå.

Bye, B. (1989): Husholdningenes bruk av energi. *Interne notater nr. 89/29*, Statistisk sentralbyrå.

Bye, B. (1986): Energidatabase på MSG-sektornivå i TROLL. *Interne notater nr. 86/34*, Statistisk sentralbyrå.

Bye, B. (1986): Substitusjon mellom elektrisitet og olje i fire aggregerte produksjonssektorer. *Interne notater nr. 86/30*, Statistisk sentralbyrå.

### **International conference participations with papers**

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- UN Conference on Climate Statistics, Oslo, Norway, 14-16 April 2008.
- International EcoMod Conference, Brussel, Belgium, August 2004.
- IIPF – International Institute of Public Finance, August 2002, Helsinki, Finland 2002.
- European Economic Association's 16'th annual conference, Lausanne, Switzerland, August 2001

- European Economic Association's 15'th annual conference, Bolzano, Italy, August 2000.
- European Economic Association's 14'th annual conference, Santiago de Compostela, Spain, August 1999.
- Conference on Economic Modelling: «Using Dynamic Computable General Equilibrium Models for Policy Analysis», Fyn, Denmark, June 1998.
- European Economic Association's 10'th annual conference, Prague, The Czech Republic, August 1995.

### **International/National workshop/seminar participations with papers**

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- Workshop on macroeconomic modelling, Copenhagen, Denmark, June 2005.
- Workshop on macroeconomic modelling, Lillehammer, Norway, April 2002.
- "Skatteforum", Norwegian Research Council, Åsgardstrand, Norway, June 2002.
- "Skatteforum", Norwegian Research Council, Losby, Norway, April 2001.
- "Skatteforum", Norwegian Research Council, Høsbjør, Norway, June 1999.
- "Skatteforum", Norwegian Research Council, Halvorsbøle, Norway, June 1998.
- "Skatteforum", Norwegian Research Council, Solstrand, Norway, June 1996.
- Norwegian association for economists, annual conferences, several presentations 1992-2006.

### **Peer-reviewer for**

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Journal of Environmental Economics and Management, Energy Journal, Resource and Energy Economics, The Scandinavian Journal of Economics, Canadian Journal of Economics, Finanzwirtschaft, Environmental and Resource Economics

### **Articles in newspapers**

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Bye, B. og C. Hagem, 2008, "Skal bensinavgiftene svinge i takt med råoljeprisene?", *Aftenposten, Økonomi*, 12. juni.

### **Invited speaker 2007 – 2008 (in Norwegian)**

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- Bye, B., 2007: "Seminar om MSG-modellene", Finansdepartementet, 6. februar 2007.
- Bye, B., 2007: Innovation policies in a small, open economy; an applied analysis of R&D driven endogenous growth, ECON, Oslo, Februar 2007.
- Bye, B., 2007: "Virkemidler i miljøpolitikken: Miljøavgifter og utslippskvoter", Foredrag på Skattelovavdelingens seminar, Finansdepartementet, Sundvolden, september 2007.
- Bye, B., 2007: "En vurdering av særavgiftene: NOU 2007:8", Foredrag, Riksrevisjonen, oktober 2007.

### **Statistics Norway, some examples of other internal work**

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- Member of a working group evaluating coordination of data from the Energy accounts and the National Accounts, 2008.
- Bye, B. 2008: "Macroeconomic Modelling for Long Term Analyses", Foredrag for delegasjon fra Kazakhstan, Statistisk sentralbyrå, april 2008.
- Bye, B., 2008: Macroeconomic modelling for energy and environmental analyses, foredrag for delegasjon fra FN, Statistisk sentralbyrå, januar 2008.
- Bye, B., 2007: "Multi market models – Computable Macroeconomic Models for the Norwegian Economy", Foredrag for Sør-afrikansk delegasjon, Statistisk sentralbyrå, august 2007.

- Responsible for the chapters on Housing investments and Construction activities, Konjunkturtendensene 1991-1992.
- Member of the editorial staff, Økonomisk Utsyn, 1988.

### **Supervisor experience**

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Assistant supervisor of Ph.D-student Tom-Reiel Heggedal, 2004-2009

### **Teaching experience**

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Seminar leader in microeconomics, Bachelor level, University of Oslo, 1986.