

CURRICULUM VITAE

ARILD VATN

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1. Professional interests

Theoretical and empirical analyses within institutional and ecological economics with special focus on environmental governance and institutions for sustainable development. Empirical analyses concern especially policies for climate change, biodiversity protection, reduced pollution, land management, conflict analyses, environmental appraisal and multifunctional agriculture.

2. Academic positions

2.1 Present position:

Professor in environmental sciences, NMBU, Department of Economics and Social Sciences, 1996-2006, and Department of International Environment and Development Studies, 2007-2008 and 2012-.

2.2 Previous positions:

Thor Heyerdahl professor – Department of International Environment and Development Studies, NMBU 2008-2012

Associate Professor in resource policy and resource economics, Department of Economics and Social Sciences, Agricultural University of Norway (NMBU), 1993 - 1996 (part time).

Research Coordinator, research program 'Economy and Ecology: Resource Management and Pollution in Agriculture' (ECEC/RMPA), Norwegian Research Council. 1991-1996 (part time engagement 1993 - 1996). Placed at NMBU.

Research Coordinator, 'Research Program on Agricultural Policy', The Norwegian Agricultural Research Council, 1987-1990. Placed at NMBU.

Research Coordinator, research project 'Agricultural Policy and Environmental Problems', Center for Research and Project Management, Aas, 1988-1989 (part time).

Associate Professor in agricultural economics, Regional College of Nord-Trøndelag, Norway. 1985-1986.

Researcher, Department of Agricultural Economics, NMBU, 1983-84.

Visiting professor, Wirtshaftsuniversität, Wien, 01.11.15-30.11.15

Visiting Fellow, Resources for the Future, Washington D.C., 01.07.92 - 01.08.92.

Visiting Professor, University of Wisconsin, Madison, 01.08.91 - 30.06.92.

3. Awards and honorary positions

The Keneth Boulding Award 2016 (together with Kanchan Chopra), offered by ISEE
Foreign member Finska Vetenskaps-Societeten (2016 -)
Awarded the 'best Noragric educator 2009', by Noragric students (NMBU)
Awarded the Veblen 150 prize in 2007 for the book 'Institutions and the Environment'. The prize was awarded jointly by AFEE and EAEPE
Awarded the prize as 'best teacher of the semester' by the students of NMBU in the fall of 2006.
Awarded the prize as 'best teacher of the year' by the economic students at NMBU in 2006.
Awarded the NMBU research prize 2002.
Awarded the prize as 'best teacher of the year' by the students of NMBU in 1993.

4. Publications (since 1990)

Working papers and discussion notes etc. not included

4.1 Articles

4.1.1 Articles in international peer review journals

- Heller, M. and A. Vatn, 2017. The divisive and disruptive effect of a weight-based waste fee. *Ecological Economics*, 131:275-285
- Vatn, A., 2015. Markets in environmental governance. From theory to practice. *Ecological Economics*, 117:225-233.
- Kvakkestad, V., P.K. Rørstad and A. Vatn, 2015. Norwegian farmers' perspectives on agriculture and agricultural payments: Between productivism and cultural landscapes. *Land Use Policy* 42, 83-92.
- Dyngeland C., P. Vedeld and A. Vatn, 2014. REDD+ at work? Implementing consistent REDD+ policies at local levels - A case from Kilosa District, Tanzania.. *International forestry review*, 16(6):549-562
- Kabura, J., D.A. Silayo, and A. Vatn, 2014. The Cost of Managing Forest Carbon under REDD+ Initiatives: A case of Kolo Hills Forest in Kondoa District Dodoma, Tanzania. *International Journal of Forestry Research*. <http://dx.doi.org/10.1155/2014/920964>, 12 pages.
- Soma, K. and A. Vatn, 2014. Representing the common goods – stakeholders vs. citizens. *Land Use Policy*, 41:325-333
- Agustsson, K., A. Garibjan, E.R. Stormoen and A. Vatn, 2014. An Assessment of the Forest Allowance Programme in the Juma Sustainable Development Reserve in Brazil. *International Forestry Review*, 16(1):87-101
- Manyika, K.F.K., G.C. Kajembe, D.A. Silayo, and A. Vatn, 2013. Strategic power and power struggles in the national REDD+ governance process in Tanzania: any effect on its legitimacy? *Tanzania Journal of Forestry and Nature Conservation*, 83(1):69-82.
- Petursson, J. Geir, P. Vedeld and A. Vatn, 2013. Going Transboundary? An Institutional Analysis of Transboundary Protected Area Management Challenges at Mt Elgon, East Africa. *Ecology and Society*, 18(4):28. [online]
- Muradian, R., M. Arsel, L. Pellegrini, F. Adaman, B. Aguilar, B. Agarwal, E. Corbera, D. Ezzine de Blas, J. Farley, G. Froger, E. Garcia-Frapolli, E. Gómez-Baggethun, J. Gowdy, N. Kosoy, J.F. Le Coq, P. Leroy, P. May, P. Méral, P. Mibielli, R. Norgaard, B. Ozkaynak, U. Pascual, W. Pengue, M. Perez, D. Pesche, R. Pirard, J. Ramos-Martin, L.

- Rival, F. Saenz, G. Van Hecken, A. Vatn, B. Vira and K. Urama, 2013. Payments for ecosystem services and the fatal attraction of win-win solutions. *Conservation letters*, 6(4):274-279.
- Aasen, M., and A. Vatn, 2013. Deliberation on GMOs: A study on how a Citizens' Jury affects the citizens' attitudes. *Environmental Values*, 22(4):461-481.
- Vatn, A., and P. Vedeld, 2013. National governance structures for REDD+. *Global Environmental Change*, 23(2):422-432.
- Vatn, A. and P. Vedeld, 2012. Fit, Interplay and Scale – A Diagnosis. *Ecology and Society*, 17(4):12.
- Samndong, R. and A. Vatn, 2012. Forest related conflicts in South-East Cameroon: Causes and policy options. *International Forestry Review*, 14(2): (in press).
- Ramanujam, R.V., S.J. Singh and A. Vatn, 2012. From the Ashes to the Fire? Institutional Change in the Post-Tsunami Nicobar Islands, India. *Society and Natural Resources*, (in press).
- Raut, N., B. Sitaula, A. Vatn and G.S. Paudel, 2011. Determinants of Adoption and Extent of Agricultural Intensification in the Central Mid-hills of Nepal. *Journal of Sustainable Development*, 4(4):47-60.
- Kvakkestad, V., and A. Vatn, 2011. Institutions for Sustainable GM crops. *Ecological Economics*, 70(3):524-532.
- Soma, K. and A. Vatn, 2010. Is there anything like a citizen? A descriptive analysis of instituting a citizen's role to represent social values at the municipal level. *Environmental Policy and Governance*, 20:30–43.
- Vatn, A., 2010. An Institutional Analysis of Payments for Environmental Services. *Ecological Economics*, 69:1245-1252.
- Vatn, A., 2009. Governing the environment: the institutional approach. *Economia delle Fonti di Energia e dell'Ambiente (Economics and Policy of Energy and Environment: Special Issue on Heterodox Environmental Economics)*, 52 (1):61-86.
- Anfinnsen, B., M. Aguilar-Støen and A. Vatn, 2009. Actitudes de los productores ganaderos de El Petén, Guatemala, respecto a la implementación de sistemas silvopastoriles. *Agroforestería en las Américas*, 47:20-26.
- Vatn, A., 2009. An Institutional Analysis of Methods for Environmental Appraisal. *Ecological Economics*, 68:2207-2215
- Vatn, A. and F. Rauschmayer, 2009. The affiliation to the European Society for Ecological Economics. *Environmental Policy and Governance*, 19:71-72.
- Bergseng, E. and A. Vatn, 2009. Why protection of biodiversity creates conflict – some evidence from the Nordic countries. *Journal of Forest Economics*, 15:147-165
- Soma, K. and A. Vatn, 2009. Local democracy implications for coastal zone management – A case study in southern Norway. *Land Use Policy*, 26:755-762
- Vatn, A., 2009. Cooperative behavior and institutions. *Journal of Socio-Economics*, 38:188-196.
- Riseth, J.Å. and A. Vatn, 2009. Modernization and pasture degradation. A comparative study of two Sámi reindeer pasture regions in Norway. *Land Economics*, 84(1):87-106.
- Kvakkestad, V. and A. Vatn, 2008. Regulating the release of GMOs: contrasts between the European Union and Norway. *Environment and Planning C: Government and Policy*, 26:968-981
- Vatn, A., 2007. Resource regimes and cooperation. *Land Use Policy*, 24(4):624-632.
- Kvakkestad, V., F. Gillund, K.A. Kjølberg and A. Vatn, 2007. Scientists' Perspectives on the Deliberate Release of GM crops. *Environmental Values*, 16:79-104.
- Rørstad, P.K., A. Vatn and V. Kvakkestad, 2007. Why do transaction costs of agricultural policies vary? *Agricultural Economics*, 36:1-11.

- Spash, C., and A. Vatn, 2006. Transferring Environmental Value Estimates: Issues and Alternatives. *Ecological Economics*, 60(2):379-388.
- Vatn, A., L. Bakken, M. Bleken, O-H Baadshaug, H. Fykse, L.E. Haugen, H. Lundekvam, J. Morken, E. Romstad, P.K. Rørstad, A.O. Skjelvåg and T. Sogn, 2006. A Methodology for Interdisciplinary Analyses of Pollution from Agriculture. *Agricultural Systems*, 88:270-293.
- Vatn, A., 2005. Rationality, Institutions and Environmental Policy. *Ecological Economics*, 55(2):203-217
- Dyrnes G. and A. Vatn, 2005. Who Owns the Water? A Study of a Water Conflict in the Valley of Ixtlahuaca, Mexico. *Water Policy*, 7:295-312.
- Vatn, A., 2004. Valuation and Rationality. *Land Economics*, 80(Feb.):1-18.
- Riseth, J.Å., B. Johansen and A. Vatn, 2004. Aspects of a two-pasture – herbivore model. *Rangifer*, 15:65-81.
- Vatn, A., 2003. Multifunctionality in Agriculture and its Compatibility with Globalization Korean Journal of Agricultural History, 2(1): 67-91
- Vatn, A., 2002. Multifunctional Agriculture – some Consequences for International Trade Regimes. *European Review of Agricultural Economics*, 29(3):309-327
- Vatn, A., E. Krogh, F. Gundersen and P. Vedeld, 2002. Environmental Taxes and Politics - The Dispute over Nitrogen taxes in Agriculture. *European Environment*, 12:224-240.
- Vatn, A., 2001. Environmental Resources, Property Regimes and Efficiency. *Environment and Planning C: Government and Policy*. 19(5): 681-693.
- Vatn, A., 2000. The Environment as a Commodity. *Environmental Values*, 9:493-509.
- Vatn, A., L. Bakken, P. Botterweg and R. Romstad, 1999. ECECMOD: An interdisciplinary modelling system for analyzing nutrient and soil losses from agriculture. *Ecological Economics*, 30(2):189-205.
- Vold, A., L. Bakken, G. Uhlen and A. Vatn, 1999. Use of data from long term fertilizer experiments to model plant nitrogen uptake. *Nutrient Cycles in Agroecosystems*, 55(3):197-206.
- Vatn, A., 1998. Input vs. Emission Taxes. Environmental Taxes in a Mass Balance and Transactions Cost Perspective. *Land Economics*, 74(4):514-525.
- Botterweg, P., R. Leek, E. Romstad and A. Vatn, 1998. The EUROSEM-GRIDSEM modeling system for erosion analyses under different natural and economic conditions. *Ecological Modelling*, 108(1-3):115-129.
- Botterweg, P., R. Leek, E. Romstad and A. Vatn, 1998. Erosion control under different economic conditions. *Soil & Tillage Research*, 46:31-40
- Vatn, A. and D. Bromley, 1997. Externalities - a Market Model Failure. *Journal of Environmental and Resource Economics*, 9(2):135-151.
- Vatn, A., L.R. Bakken, P. Botterweg, H. Lundebj, E. Romstad, P.K. Rørstad and A. Vold, 1997. Regulating Nonpoint-source Pollution from Agriculture - An Integrated Modelling Analysis. *European Review of Agricultural Economics*, 26(2):207-229.
- Romstad E. and A. Vatn, 1995. Implications of uncertainty on eco-eco modeling. *American Journal of Agricultural Economics*, 77(5): 1388-1389.
- Vatn, A. and D. Bromley, 1994. Choices without Prices without Apologies. *Journal for Environmental Economics and Management*, 26:129-148. This paper is reprinted in several edited volumes – Bromley, D.W. (ed.), 1995: The Handbook of Environmental Economics. Basil Blackwell. A summary of this paper was selected for publication in Ackerman, F., D. Kiron, N.R. Goodwin, J.M. Harris and K. Gallagher (eds), 1997. *Human Well-being and Economic Goals. Frontier Issues in Economic Thought*. Washington D.C: Island Press, pp 137-140. The paper will further appear in Martinez-Alier, J. and I Röpke (eds): Recent Developments in Ecological Economics. Edward Elgar.

4.1.2 Articles in edited books and reports

- Vatn, A., 2016. On limits. In Farley, J. and D. Malghan (eds.): *Beyond Uneconomic Growth. Economics, Equity and the Ecological Predicament*. Cheltenham: Edward Elgar, pp. 83-105.
- Vatn, A., G. Kajembe, D.S. Silayo, and P. Vedeld. 2016. Governance structures for REDD+ – experiences from Tanzania. In Kulindwa, K., (ed.): *Lessons and Implications for REDD+ Implementation: Experiences from Tanzania*. CCIAMSUA, Morogoro, E&D Vision Publishing Ltd, Tanzania, pp 299 - 323
- Kajembe, G. D.S. Silayo, K.J. Mutabazi, F. Massawe, M..Nantongo and A..Vatn, 2016. Lessons Learned from REDD+ Pilot projects in Kondoa and Rungwe districts, Tanzania. In Kulindwa, K., (ed.): *Lessons and Implications for REDD+ Implementation: Experiences from Tanzania*. CCIAMSUA, Morogoro, E&D Vision Publishing Ltd, Tanzania, pp 213 - 240.
- Vatn, A., 2015. Global Environmental Governance. In Martinez_Alier, J. and R. Muradian (eds.): *Handbook in Ecological Economics*. Cheltenham: Edward Elgar, pp 382-412.
- Vatn, A., 2013. Landbrukspolitikken og det mangesidige landbruket. In Vinje, A. og O. Randen (eds.): *Landbrukets veg*. Boksmia Forlag, pp. 74-86.
- Vatn, A., 2012. Environmental Governance – the Aspect of Coordination. In Brousseau, E., T. Dedeurwaerdere, P.-A. Jouvét and M. Willinger (eds.): *Governing Global Environmental Commons: Institutions, Markets, Social Preferences and Political Games*. Oxford: Oxford University Press (in press).
- Vatn, A., 2012. Beyond Reductionism – Issues for Future Research on Sustainability. In Farrell, K.N, T. Luzzati and S. van den Hove (eds.): *Beyond Reductionism. A passion for interdisciplinarity*. London: Routledge, pp. 284-307.
- Vatn, A., 2012. Institutions, Rationality and Social Costs. In Ramazzotti, P., P. Frigato and W. Elsner, (eds.): *Social Costs Today Institutional Analyses of the Present Crises*. London: Routledge, pp. 35-56.
- Vatn, A., 2012. Cooperative Behaviour and Institutions. In Shmelev, S. and I. Shmeleva (eds.): *Sustainability Analysis. An Interdisciplinary Approach*. New York: Palgrave Macmillan, pp. 103-128. (A reprinted version of a paper published in *Journal of Socio-Economics* in 2009.)
- Vatn, A., 2012. Governing the Environment: The Institutional Economics Approach. In Marletto, G., (ed.): *Creating a Sustainable Economy. An Institutional and Evolutionary Approach to Environmental Policy*. New York: Routledge, pp. 67-91.
- Vatn, A., 2011. Environmental Governance – A Conceptualization. In Kjosavik, D. and P. Vedeld (eds.): *The Political Economy of Environment and Development in a Globalized World. Exploring the Frontiers*. Trondheim, Tapir Academic Press, pp. 131-152.
- Vatn, A., 2010. Ekosysteemipalvelumaksut – Vanhaa Viiniä Uudessa Pullossa? (Payments for Environmental Services – Old Wine in New Bottles?) In Hiedanpää, J., L. Suvantola and A. Naskali (eds.): *Hyödyllinen luonto. Ekosysteemipalvelut hyvinvointimme perustana*. Tampere: Vastapaino, pp. 135-158.
- Vatn, A., 2010. Combining Post-Keynesian, Ecological and Institutional Economics' Perspectives. In Holt, R.P.F., S. Pressman and C.L. Spash (eds.): *Post Keynesian and Ecological Economics: Confronting Environmental Issues*. Cheltenham: Edward Elgar, pp. 114-138.
- Vatn, A. and A. Angelsen, 2009. Options for a national REDD+ architecture. In Angelsen A. (eds): *Realising REDD+: National Strategy and Policy options*. Bogor, Indonesia: CIFOR, pp. 57-74.
- Vatn. A., 2009. Sustainability, institutions and behavior. In Beckmann, V. and M. Padmanabhan (eds.): *Institutions and Sustainability*. Berlin, Springer, pp. 293-314.

- Vatn, A., 2008. Institutions and Rationality. In Batie, S., and N. Mercuro (eds.): *Assessing the Evolution and Impact of Alternative Institutional Structures*. London, Routledge Press, pp. 113-139. ISBN 0415774780, 9780415774789
- Vatn, A., 2008. Sustainability: the Need for Institutional Change. In Utting P and J. Clapp (eds.): *Corporate Accountability and Sustainable Development*. New Delhi, Oxford University Press, pp. 61-91.
- Vatn, A., 2008. Transaktionskosten und ökonomische Theorie. In Wüstemann, H., S. Mann and K. Müller (eds.): *Multifunktionalität. Von der Wohlfartsökonomie zu neuen Ufern*. Oekom Verlag, pp. 182-204.
- Vatn, A. and P.K. Rørstad, 2006. To Till or not to Till - Economic and Environmental Considerations. In Report 'Tillage systems for the benefit of agriculture and the environment', Nordiske jordbruksforskernes forening. [http://composit.dimease/filebank/files/20060703\\$165503\\$fil\\$26D0ZKiVH91jINUhN3gB.pdf](http://composit.dimease/filebank/files/20060703$165503$fil$26D0ZKiVH91jINUhN3gB.pdf), p 5-12.
- Vatn, A., 2006. Institutions. Entry in the *Internet Encyclopaedia of Ecological Economics*. <http://www.ecoeco.org/publica/encyc.html>. 14 p.
- Vatn, A., 2005. Valuation of Forest Biodiversity – An Institutional Perspective. In Kant, S. and A. Berry (eds.): *Sustainability, Institutions, and Natural Resources: Institutions for Sustainable Forest Management*. Springer. pp 115-134.
- Vatn, A., 2005. Del I: Virkemidler, konflikt og presisjon ved vern av biodiversitet i skog. En teoretisk analyse. I Vatn, A., E. Framstad og B. Solberg (red.). *Virkemidler for forvaltning av biologisk mangfold. Delrapport 3: Tiltak og virkemidler for vern av biodiversitet i skog og våtmarker*. TemaNord 2005:563, pp. 35-82.
- Bergseng, E., A. Vatn, R. E. Eriksen og B. Solberg, 2005. Del II: Holdninger til vern av skog blant nordiske skogeiere. I Vatn, A., E. Framstad og B. Solberg (red.). *Virkemidler for forvaltning av biologisk mangfold. Delrapport 3: Tiltak og virkemidler for vern av biodiversitet i skog og våtmarker*. TemaNord 2005:563, pp. 83-154 + attachment.
- Vatn, A., E. Bergseng, E. Framstad and B. Solberg, 2005. Del IV: Konklusjoner og anbefalinger. I Vatn, A., E. Framstad og B. Solberg (red.). *Virkemidler for forvaltning av biologisk mangfold. Delrapport 3: Tiltak og virkemidler for vern av biodiversitet i skog og våtmarker*. TemaNord 2005:563, pp. 207-215.
- Kvakkestad, V. and A. Vatn, 2004. Virkemidler for multifunksjonelt landbruk – Avveiningen mellom transaksjonskostnader og presisjon. In Lindquist L. (ed.): *Lantbrukets og landsbygdens framtida roller*. TemaNord 2004:516. Copenhagen: Nordic Council of Ministers, pp. 123-132.
- Vatn, A., 2002. Efficient or Fair: Ethical Paradoxes in environmental policy. In Bromley, D. and J. Paavola (eds.). *Economics, Ethics and Environmental Policy: Contested Choices*. Blackwell, pp 148-163.
- Vatn, A., 2002. Policies for reducing environmental impacts from farming: a methodology for interdisciplinary analyses. In Steenvoorden, J., F. Claessen and J. Willelms (eds.), *Agricultural Effects on Ground and Surface Waters: Research at the Edge of Science and Society*. IAHS Publication no. 273, pp 311-316. ISSN 0144-7815
- Vatn, A., 2001. Integrated Policy Approach to Multifunctionality. In conference report: 'Role of Multifunctionality in Agricultural Policy Reforms', Asian Productivity Organization. Tokyo, 95-108.
- Vatn, A., 2000. Efficiency and Fairness: The Norwegian Experience with Agri-Environmental Taxation. In Andersen, M.S. and R.U. Spenger (eds.): *Designing, introducing and implementing market-based instruments in environmental management: institutional dimensions*. Cheltenham: Edward Elgar, pp. 111-128.
- Riseth, J.Å. and A. Vatn, 1998. Adaptation Strategies under Technological Change. A Comparative Study of Saami Reindeer Management Regions in Norway 1960-1990. In S. Jentoft

- (eds.): *Commons in Cold Climate. Coastal Fisheries and Reindeer Pastoralism in North Norway: The Co-management Approach*. New York: Parthenon Publishers, pp. 61-81.
- Vatn, A., L.R. Bakken, P. Botterweg and E. Romstad, 1997. Virkemidler mot diffuse forurensninger. In Brekke K.A., Ø. Lone and T. Rødseth (eds.): *Økonomi og økologi - verktøy for en bærekraftig utvikling*. Oslo: ad Notam - Gyldendal forlag, pp. 248-271.
- Vatn, A., 1997. Integrated Economic and Ecological Analyses of Land Use - Modelling Nutrient and Soil Losses to the Environment. In Olesen, S.E. (eds.): *Alternative Use of Agricultural Land*. SP report No 18. Danish Institute of Agricultural Sciences. pp 66-75.
- Jenssen, P.D. and A., Vatn, 1997. Ecologically sound wastewater treatment. Concepts and implementation. In C. Etner and B. Guterstam (eds.): *Ecological Engineering for Waste water Treatment*. Boca Raton, Florida: CRC Lewis. pp 305-319.
- Romstad, E., A. Vatn, L.R. Bakken and P. Botterweg, 1997. Eco-Eco Modelling - The Case of Nitrogen. In Romstad, E., J. Simonsen and A. Vatn, 1997 (eds.). *Controlling Mineral Emissions from Agriculture. Economics, Policies and the Environment*. Oxon, New York: CAB International, pp. 225-247.
- Vatn, A., 1996. Pollution from Agriculture - The Need for an Integrated Analysis. In Walter-Jørgensen, Aa. and S. Pilegaard (eds.): *Integrated Environmental and Economic Analyses in Agriculture*. Report no 89, Statens Jordbrugs- og Fiskeriøkonomiske Institutt, Copenhagen, pp. 53-68.
- Vatn, A., 1994. Gir EU-medlemsskap ein meir rasjonell landbrukspolitikk i Norge. In Simonsen, J. (eds.): *Norsk landbruk i EU. Hva kan forskerne si*. Landbrukspolitisk forskningsprogram, Aas, s 211 - 224.
- Vatn, A., 1992. Norsk landbruk frå Hitra til GATT. In Simonsen, J. and A. Vatn (eds.): *Landbruk i endring. Fra opptrapping til omstilling*. Oslo: Universitetsforlaget, pp. 17-39.
- Vatn, A., 1992. Prisar og produksjon. In Simonsen, J. and A. Vatn (eds.): *"Landbruk i endring. Fra opptrapping til omstilling"*. Oslo: Universitetsforlaget, pp. 70-86.
- Vatn, A., 1992. "Frå avling til avrenning - konsekvensar for val av tiltak og verkemiddel". In Rørstad P. K. and A. Vatn (eds.): *Avlingskurver*. Report no 1, ECEC/RMPA, Aas-NMBU, pp. 199-210.
- Vatn, A., 1990. Melk og makt. Frå melkesentralar til distriktsmeieri. In Hovland E., E. Lange and S. Rysstad (eds.): *Det som svarte seg best. Studier i økonomisk historie og politikk*. Oslo: Ad Notam Forlag, pp. 143-155.
- Simonsen, J. and A. Vatn, 1990. En miljøpolitisk offensiv i landbruket. In Berthelsen, Å. (eds.): *Framtid for bygdene*. Sogn og Fjordane forlag, pp. 141-158.

4.1.3. Book reviews in international peer review journals

- Vatn, A., 2014. Governing complexity for reducing emissions from deforestation and forest degradation (REDD). *Climate Policy*: 14(6):801-803
- Vatn, A., 2011. The Skeptical Economist. Revealing the Ethics Inside Economics, by Jonathan Aldred. Book review: *Ecological Economics*, 72(15):192.
- Vatn, A., 2006. Ecological Economics. An Introduction, by Michael Common and Sigrid Stagl: Book review: *Environmental Values*
- Vatn, A., 2003. The Institutional Dimension of Environmental Change. Fit, Interplay, and Scale, by Oran R. Young. Book review: *Environmental Values*
- Vatn, A., 1999. Against the Grain. Agri-environmental reform in the United States and the European Union, by Clive Potter. Literature review. *European Review of Agricultural Economics*, 26(1):117-119.

4.1.4 Articles in national journals

- Vatn, A., 2013. Institusjonell økonomi – implikasjoner for miljøpolitikken. *Røst*, 2013(1):15-23
- Rørstad, P.K., A. Vatn and E. Romstad, 2003. Systemanalyse som verktøy for bedre miljø – Erfaringer fra forskningsprogrammet MILDRI. *Landbruksøkonomisk forum*, 30(3):29-40.
- Vatn, A., 2000. Landbruksmeldinga - i påvente av WTO. *Landbruksøkonomisk forum*, 17(1): 65-68.
- Romstad, E. and A. Vatn, 1999. Virkemidler for et multifunksjonelt landbruk. *Landbruksøkonomisk forum*, 16(4):39-52.
- Romstad, E., P.K. Rørstad and A. Vatn, 1996. Avgifter eller fangvekster? En integrert modellanalyse av landbruk og miljø. *Landbruksøkonomisk forum*, 13:5-20.
- Vatn, A., L.R. Bakken, P. Botterweg and E. Romstad, 1995. Nitrogenforureiningar frå landbruket. Erfaring frå tverrfagleg modellering. *Faginfo no 10, 1995*, pp. 171-189. Info center, Science Park, Aas.
- Vatn, A., 1992. Økonomiske interesser og institusjonelle forhold. Bokmelding, *Landbruksøkonomisk forum*, 2:87-89.
- Vatn, A., 1991. Avgift på gjødsel. Svar til H. Skinnes. *Norsk Landbruk*, 15:14.
- Vatn, A., 1991. Avgift på gjødsel. Nytt svar til Halvor Skinnes. *Norsk Landbruk*, 19:19.

4.2 Books and scientific reports

- Vatn, A., 2015. Environmental Governance. Institutions, Policies and Actions. Cheltenham: Edward Elgar.
- Kajembe, G.C., D.S.A. Silayo and A. Vatn, 2015. The adaptation of REDD+ initiatives in forest management regimes in two pilot projects of Kondo and Kilosa Districts, Tanzania. Noragric Report No. 75, NMBU. <https://www.nmbu.no/en/about-nmbu/faculties/samvit/departments/noragric/publications/reports>
- Vatn, A., (ed.), 2015. The Green Economy. Student papers, Thor Heyerdahl Summer School in Environmental, vol 3: <https://www.nmbu.no/en/about-nmbu/faculties/samvit/departments/noragric/studies/programmes/thor-heyerdahl>
- Vatn, A., D.N. Barton, I. Porras, G.M. Rusch and E. Stenslie, 2014. Payments for Nature Values. Market and Non-market Instruments. Report 5/2014, Norad,
- Vatn, A., G. Kajembe, R. Leiva-Montoya, E. Mosi, M. Nantongo and D.A Santos Silayo, 2013. Instituting REDD+. An analysis of the processes and outcomes of instituting REDD+ in two pilot areas – RDS Rio Negro (Brazil) and Kilosa (Tanzania). London: International Institute for Environment and Development.
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- Romstad, E., A. Vatn, P.K. Rørstad and V. Søyland, 2000. *Multifunctional Agriculture. Implications for Policy Design.* Report no 21, Department of Economics and Social Sciences, Agricultural University of Norway. 139 p.
- Krogh, E., A. Vatn, R. Hesjedal, F. Gundersen and P. Vedeld, 1998. *Spillet om næringssaltene. En studie av forvaltningskultur, organisering og ansvarsfordeling i sentralforvaltningen i forbindelse med valg av virkemidler for å begrense arealavrenningen fra jordbruket.* Report no 19, Department of Economics and Social Sciences, Agricultural University of Norway. 206 p.
- Vedeld, P., J. Bergum, E. Krogh and A. Vatn, 1998. *Virkemidler og handlingsvalg - en studie av informasjon og kommunikasjon som virkemidler i miljøpolitikken i landbruket.* Report no

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4.3 Conference papers/external lectures/presentations (except invited keynotes – see sect. 5)

- Vatn, A., 2016. A New Economics. Presentation at the Roundtable ‘Promoting a New Economics’ at the ISEE 2016 Conference, Washington DC, June 26-29, 2016
- Vatn, A., 2016. Justice and frameworks of governance. Presentation at the workshop ‘Institutions and Environmental Justice: Critical Perspectives’, Oslo, 13-14 June, 2016
- Vatn, A., 2016. Miljøforvaltning – mellom lovverk og penger. Presentation at the conference ‘Norsk miljøforskning underveis’, organized by the Norwegian Research Council. Scandic Holmenkollen Park, Oslo, 20-21 april, 2016
- Vatn, A., 2016. Environmental Governance – from public to private? Presentation at International Economic Governance and Market Regulation Workshop, 14-16 April, 2016
- Vatn, A., 2016. Introduction to panel discussion ‘Environmental and Political Crisis or Opportunity and Change?’ At book launch in Vitenparken, March 30, 2016.
- Vatn, A., 2016. Institusjonell økonomi som alternativ til ‘mainstream’. Presentasjon på kveldsmøte arrangert av radikalt økonomisk nettverk, Blindern, 4. februar, 2016.
- Vatn, A., 2016. Markets in Environmental Governance – The Best Way Forward? Lecture at ATREE, Thursday January 7, 2016
- Vatn, A., 2015. Environmental governance – concepts and practices. Public lecture, Zhejiang University, Hangzhou, China. November, 30, 2015.
- Vatn, A., 2015. Økologisk økonomi. Presentation at ‘studiegruppa i eldresenteret i Ås’, 15.09.15
- Vatn, A., 2015. The economy and the environment – a system’s perspective. Presentation at PhD course in Ecological Economics, Oxford, August 31, 2015
- Vatn, A., 2015. Verdsetting av biologisk mangfold. Presentation at ‘Økokrims fagseminar om miljøkriminalitet’, Ustedalen Hotell, Geilo, 25.-27. August, 2015
- Vatn, A., 2015. Protecting Nature’s Values: Why pricing is not the solution. Presentation at SYKE. Helsinki, June 02. 2015
- Vatn, A., 2015. Comment to Kevin Anderson ‘Ostrich or the Phoenix’. Seminar at CICERO. Oslo, June 09. 2015
- Vatn, A., 2015. Økologisk økonomi – organisatorisk historie og faglige perspektiver. At 10 years anniversary – Center for ecological economics and ethics, University of Nordland, 18. – 19. May, 2015

- Vatn, A., 2015. Verdsetting av naturen – penger eller argumenter. Open meeting on ‘Verdsetting av naturen’, NMBU, 05. May, 2015.
- Vatn, A., 2014. Markets in Environmental Governance – The New Way Forward? Public lecture at WU Competence Day, Wirtschaftsuniversität, Vienna, November 19, 2014.
- Vatn, A., 2014. Environmental Governance – an Overview. Lecture at Wirtschaftsuniversität, Vienna, November 18, 2014.
- Vatn, A., 2014. Methods for evaluating environmental values – the general theory. Lecture at the course ‘Measuring and Valuing Ecosystem Services’, University of Helsinki, Viiki Campus, September 1, 2014
- Vatn, A., 2014. Methods for evaluating environmental values – from CBA to deliberative methods. Lecture at the course ‘Measuring and Valuing Ecosystem Services’, University of Helsinki, Viiki Campus, September 1, 2014
- Vatn, A., 2014. Instituting REDD+. An analysis of establishing REDD+ in Kilosa (Tanzania). ISEE conference, Reykjavik, August 13-15, 2014.
- Vatn, A., 2014. Reduserte utslipp: Gjøre noe selv eller betale andre? Presentation at Klimamøte, Vitenparken, NMBU, 2. June, 2014
- Vatn, A., D. Barton and E. Stenslie, 2014. Efficiency, Opportunities and Challenges of Market and Non-market based Instruments for Managing Ecosystem Services. UN Dialogue seminar on Scaling up biodiversity finance, Quito, Ecuador, April 9-12, 2014.
- Vatn, A., 2014. Introducing REDD+ at village level: Experiences among villagers in Kilosa and Kondoa. CCIAM International Conference, Sokoine University of Agriculture, April 1 – 3, 2014
- Vatn, A., 2013. Blir økosystemer mer verdifulle om vi priser dem? Presentation at the seminar ‘Kan betaling for økosystemtjenester bevare verdens biologiske mangfold?’. Miljøhuset, 26.11.2013
- Vatn, A., 2013. A Governance Perspective on Biodiversity Offsets and Habitat Banking. Presentation at the workshop ‘Ecosystem Services, Biodiversity Offsets and Habitat Banking, CIENS, Oslo, September 20, 2013.
- Vatn, A., 2013. The Economic System and the Environment A Governance Perspective. Lecture at the Oxford summer school in ecological economics, University of Oxford, August 26-30, 2013
- Vatn, A., 2013. Markets in Environmental Governance – From Theory to Practice. At the ESEE Conference “Ecological Economics and Institutional Dynamics”, Lille, France, 19-21 June, 2013.
- Vatn, A., 2013. National REDD+ architectures – the main issues. Presentation at the conference ‘Options for National REDD+ Architectures’, NMBU, May 29-31, 2013
- Vatn, A., 2013. Payments for Environmental Services – from Theory to Practice. At FUNCiTREE final conference. 23-25 May 2013, Trondheim, Norway
- Vatn, A., 2013. Markedsbasert naturforvaltning: Hva er det og hvordan virker det? Presentation at Sabima, Oslo, April 30, 2013.
- Movik, S. and A. Vatn, 2013. Socio-economic conditions in REDD+ pilot areas. Presentation at seminar at Norad, March 11, 2013
- Vatn, A., 2013. Kan økologisk bærekraft og økonomisk vekst forenes? Presentation at Ski pensjonistakademi, 10. januar, 2013
- Vatn, A., 2012. Hvordan finansiere vern av biodiversitet? Presentation at seminar ‘Tomhendte toppmøter’, organized by Naturvernforbundet, Oslo, November 15, 2012.
- Vatn, A., 2012. Can markets protect biodiversity. Presentation at NORAD, Oslo, October 2.
- Vatn, A., 2012. Penger eller argumenter – en vurdering av ulike metoder for verdsetting av miljøgoder. Presentation for ‘Ekspertutvalget om verdier av økosystemtjenester’, Ministry of Environment, September 4, 2012.

- Vatn, A., 2012. Governance structures for REDD+ - What will the solutions be? Presentation at the ISEE Conference, Rio de Janeiro, June 16-19, 2012. (Due to my wife's health problems, I could in the end not go. The paper was presented by Maria Fernanda Gebara).
- Raut, N., B. Sitaula, A. Vatn and R.M. Bajracharya, 2012. Assessment of Fertilizer Policy, Farmers' Perception and Implications for Future Agricultural Development in Nepal. International Symposium on Mountain Resource Management in a Changing Environment. NMBU, May 25-29, 2012
- Vatn, A., 2012. Reduced Emissions from Deforestation and Forest Degradation (REDD+). Lecture in SUM4015, SUM-UiO, April 10, 2012.
- Vatn, A., 2012. 'Methodological relationism' – a metatheory for ecological economics? Presentation at the workshop 'Social Ecological Economics: Interdisciplinarity and Integration' Vienna, 16-17 March, 2012.
- Vatn, A., 2012. Miljøvennlige driftssystemer i landbruket (MILDRI) – en systemanalyse. Hva lærte vi og hvorfor døde MILDRI? Presentation at The Bioforsk conference 2012, Gardermoen, Februar 7 6-7, 2012
- Vatn, A., 2012. Er økologisk bærekraft og økonomisk vekst uforenlige verdier? Presentation at Ås kirkeakademi, January 31, 2012.
- Vatn, A., 2012. Overview of possible REDD+ Architectures. At GIZ Winter School on "REDD+ Governance", Berlin, January 9-13, 2012
- Vatn, A., 2011. Effective Governance Structures for REDD+. Presentation at the COP17 side event: The cost-effectiveness of REDD+ Organised by the European Commission, Directorate-General for Climate Action, Durban, November 30, 2011
- Vatn, A., 2011. Institutions for sustainable development. Lecture at the master course 'Institutions and global Environmental Governance', at the Universidad Internacional de Andalucia (UNIA), November 3, 2011.
- Vatn, A., 2011. Market based and mixed systems in environmental governance. Lecture at the master course 'Institutions and global Environmental Governance', at the Universidad Internacional de Andalucia (UNIA), November 3, 2011.
- Vatn, A., 2011. State-based systems for environmental policy and governance. Lecture at the master course 'Institutions and global Environmental Governance', at the Universidad Internacional de Andalucia (UNIA), November 2, 2011.
- Vatn, A., 2011. Environmental Governance Systems. Lecture at the master course 'Institutions and global Environmental Governance', at the Universidad Internacional de Andalucia (UNIA), November 2, 2011.
- Vatn, A., 2011. Miljøpolitikk – avgifter eller moral? At KLIF, Oslo, 13. september 2011
- Vatn, A., and P. Vedeld, 2011. National governance structures for REDD+. Presentation at NORAD, August 18, 2011.
- Vatn, A., 2011. Geopolitikk og klima: Ressurskamp eller bærekraftig og rettferdig utvikling? En kommentar til Erik Solheim. At NMBUs vårkonferanse, May 26, 2011
- Vatn, A., 2011. Klima for utvikling. Presentation at Idé-festivalen. Open day at UiO to celebrate its 200 year anniversary. Blindern, May 21, 2011
- Vatn, A., 2011. Utslippskutt: Hva er de beste virkemidlene? Presentation at Klimaforum Litteraturhuset, Oslo, March 23, 2011
- Vatn, A., 2011. Jorda – ein stad å leve. A text and a musical tableau presented together with Sakshaug church quire. At Sakshaug church, March 20, 2011
- Vatn, A., 2011. A comment to G. Marletto: Changing Regime. Actors and institutions to get out of the car. At the 2nd International TEMPO conference: Policy Change for Sustainable Transport. CIENS, Oslo January 31- February 1, 2011

- Vatn, A. and P. Vedeld, 2010. Fit, Interplay and Scale – A Diagnosis. Invited presentation at the Albrecht Daniel Thaer Kolloquium 2010, Heinrich-Böll-Stiftung, Berlin, November 18-19, 2010
- Vatn, A., 2010. The ecological economics of fit. Introduction to roundtable discussion, at the 11th ISEE conference, Oldenburg, Germany, 23-25 August, 2010
- Vatn, A., 2010. Getting Ready for REDD+. A study of national governance structures for REDD+. Presentation at the 11th ISEE conference, Oldenburg, Germany, 23-25 August, 2010
- Vatn, A., 2010. Resolving Commons' Dilemmas – the role of institutional contexts. Presentation at the 11th ISEE conference, Session: Experimenting the Governance of the Commons Oldenburg, Germany, 23-25 August, 2010
- Vatn, A., 2009. The History and Future of Ecological Economics. Presentation at the Student Camp at the 8th international conference for European Society for Ecological Economics, Ljubljana, July 03, 2009
- Vatn, A., 2009. Cooperative Behavior and Institutions. Paper presented at the 8th international conference for European Society for Ecological Economics, Ljubljana, June 29 – July 02, 2009
- Vatn, A., 2009. Environmental Governance – the Aspect of Coordination. Paper presented at the 8th international conference for European Society for Ecological Economics, Ljubljana, June 29 – July 02, 2009
- Soma, A., and A. Vatn, 2009. Institutionalizing a citizen's role to represent social values at municipal level. Paper presented at the 8th international conference for European Society for Ecological Economics, Ljubljana, June 29 – July 02, 2009
- Vatn, A., 2009. Institutions and Cooperation. Paper presented at 'Complexity Economics for Sustainability - Seminar 2: Application of complexity economics to environmental issues', University of Leeds, 23-24 June 2009
- Vatn, A., 2009. New goals for the economy. A commentary at 'Krisens mulighet – nye mål for økonomien?' Conference at Soria Moria hotel, Oslo, May 25, 2009
- Vatn, A., 2009. Klimapolitikk – langt mer enn ny teknologi. Innlegg på virkemiddelseminar – Statens Forurensningstilsyn, Oslo, March 3, 2009
- Vatn, A., 2008. Handling og miljø - er det bare pengene som avgjør? Presentation at the opening conference for the research program Miljø 2015 (Environment 2015), Thon Hotell Arena Lillestrøm November 18.-19., 2008.
- Vatn, A., 2008. An Institutional Analysis of Payments for Environmental Services. At the 10th ISEE biannual conference, Nairobi, August 7-11, 2008.
- Vatn, A., 2008. Why do we cooperate? Presentation at the workshop: Which Governance for Which Environment: Institutions, social preferences and knowledge for governing environmental issues. The Cargese Institute of Scientific Studies, Corsica, February 4-8, 2008.
- Vatn, A., 2007. Institutional economics: Lessons for and from ecological economics. Paper presented at the 7th international conference for European Society for Ecological Economics, Leipzig, June 5-8, 2007. 20 p.
- Vatn, A., 2007. Institutions and Rationality. Paper presented at the workshop in honor of A. Allan Schmid, the Henry Center of Executive development, Michigan State University Campus, March 15-16, 2007, 24 p.
- Vatn, A., 2006. Sustainability – the need for institutional change. The institutional roots of environmental degradation and the need for multi-dimensional governance structures. Paper presented at the Ninth Biennial Conference of ISEE, 'Ecological Sustainability & Human Well-Being', in Delhi, India from the 15th to the 19th December 2006. 19 p.

- Vatn, A., 2006. Explaining cooperative behavior. Paper presented at the First Nordic Workshop in Behavioral and Experimental Economics, Oslo, November 9-10, 2006. 22 p.
- Vatn, A., 2005. Institutions, Behavior and the Formulation of Environmental Policy. Paper presented at the 6th International Conference of the European Society for Ecological Economics, Lisbon, Portugal, 14-17 June, 2005. Also presented at the 7th International Conference of the Russian Society for Ecological Economics, St. Petersburg, June 23-25, 2005.
- Vatn, A., 2004. *An Institutional Perspective on the Valuation of Biodiversity*. Paper presented at the 8th biennial conference of the International Society for Ecological Economics, Montreal, Canada, July 11-14, 2004.
- Vatn, A., 2004. *Valuing Biodiversity – An Institutional Perspective*. Paper presented at the conference 'Economics and Sustainable Forest Management', University of Toronto, Canada, May 20-22, 2004, 19 p.
- Vatn, A., 2003. *Building Interdisciplinary Research*. Paper presented at the Frontiers 2 Conference, Tenerife, Spain, 12-15 February, 19 p.
- Vatn, A., 2002. *Rationality, Institutions and Environmental Policy*. Paper presented at the 7th Biennial Conference of the International Society for Ecological Economics, Sousse, Tunisia, March 2002, 19 p.
- Vatn, A., 2001. *Multifunctional Agriculture and Transaction Costs*. Paper presented in proceedings from the OECD workshop: 'Multifunctionality: Applying the OECD Analytical Framework – Guiding Policy Design', OECD/Paris, July 2-3, 2001, 23 p.
- Vatn, A., 2000. *Efficient or Fair: Ethical Paradoxes in Environmental Policy*. In William Robbins Memorial Seminar on Economics, Ethics and the Environment. Seminar Papers, Mansfield College, University of Oxford, Oxford, March 28-29, 2000, 18 p.
- Vatn, A., 2000. *Efficient or Fair: Ethical Paradoxes in Environmental Policy*. Paper presented at the Third Biennial Conference of ESEE, May 3-7. Proceedings, cd-rom, 28 p.
- Vatn, A., 2000. *Studying policies for reducing negative environmental impacts from farming: A methodology for interdisciplinary analyses*. Paper presented at the International Conference on Agricultural Effects on Ground and Surface Waters, Wageningen October 1-4, 2000. Proceedings, 10 p.
- Riseth, J.Å. and A. Vatn, 2000. *A perspective on the Sámi-Norwegian case of Co-management in the Reindeer Industry: Regional Failure and Success at the end of the Old Millennium*. Paper presented at the 8th Biennial Conference of the IASCP, Bloomington, Indiana, USA, May 31- June 04. Papers and Abstracts (CD), Workshop in Political Theory and Policy Analysis, Indiana University, 30 p.
- Vatn, A., 1999. *The Environment as a Commodity*. Presentation at the EVE seminar: 'Ethics, Economics and Environmental Policy'. Ambleside, England, April 23-25. Internal report, Cambridge Research for the Environment, 21 p.
- Vatn, A., 1999. *Rationality. What does Environmental Valuation Say?* Presentation at the 9th yearly conference of EAERE, Oslo, June, 1999, 20 p.
- Vatn, A., 1999. *Agricultural Policy Measures Addressing Non-Trade Concerns*. Presentation at the workshop on 'Non-Trade Concerns in a Multifunctional Agriculture'. Conference Report, Ministry of Agriculture, Oslo, pp. 1-20.
- Vatn, A., 1999. *Kor mykje har forskning å seie for bruk av kunnskap i politikk-utforming? Er haldningsendring mogleg?* Presented at 'Konferanse 4 - Berekraftig utvikling - forskinga si rolle som premissleverandør'. Soria Moria utdannings- og konferansesenter, Oslo, November 26-27, 1998. Printed in the report 'Berekraftig utvikling. Forskningens rolle som premissleverandør. Konferanseforedrag II: Vedlegg til panelets anbefalinger'. Norwegian Research Council, Oslo, pp. 108-128.

- Vatn, A., 1999. *Samfunnsfagene - en konfliktfylt arena mellom miljøet og politikken*. Conference report 'Resume af foredrag og posters'. Dansk Miljøforskning 1999. Copenhagen, August 19-20, 31 p.
- Romstad, E., P.K. Rørstad and A. Vatn, 1999. *Pollution in Agriculture - Integrated Economics-Natural Science Modeling*. Organized symposia, pp. 221-234. European Association of Agricultural Economists.
- Vatn A., 1998. *Rationality - What can Environmental Valuation Say?* Paper presented at the Second International Conference of ESEE, University of Geneva, March 4-7. 25 p.
- van Zeijts, H., A. Vatn, P. Kleffegård, S. Bäckman, K. Knickel, K. de Roest and L. Gazzola, 1998. *Feasibility*. In Workshop document, Mid-term Workshop, Economic Instruments for Nitrogen Control in European Agriculture (Nitrotax), pp. 148-169.
- van Zeijts, H., E.E. Biewinga, G. van der Bijl, K. Knickel, A. Vatn, P.K. Rørstad, K de Roest, S. Bäckman and L. Podmaniczky, 1998. *Systems, criteria and methodologies*. In Workshop document, Mid-term Workshop, Economic Instruments for Nitrogen Control in European Agriculture (Nitrotax), pp. 1-22.
- Vatn, A., 1997. *Integrated Economic and Ecological Analyses of Land Use - Modelling Nutrient and Soil Losses to the Environment*. Presentation at NJF seminar no 270: "Alternative Use of Agricultural Land", June 9-10, Foulum, Denmark, 20 p.
- Bakken, L. and A. Vatn, 1997. *Analysis of Environmental Problems in Agriculture Some methodological considerations*. Presentation at 'Water Management Workshop', Vadstena, Sweden, October, 17 p. Printed in 'VASTRA: Swedish Water Management Research Program. Appendix B: The Vadstena VASTRA Workshop'. University of Lindköping, Sweden.
- Vatn A., L.R. Bakken, P. Botterweg and E. Romstad, 1996. Principles for Eco-Eco Modelling - The Case of Nitrogen. Proceedings from workshop: *Mineral emissions from agriculture*, Department of Economics and Social Sciences, Agricultural University of Norway, January, 20 p.
- Vatn, A., 1996. *Eco-Eco Modelling - A Complex Game that Pays*. Presentation at the 6th yearly EAERE-conference in Lisbon, June 27-29, 30 p.
- Riseth, J.Å. and A. Vatn, 1995. *Development of Property Regimes and Institutional Structure for Sustainability in the Reindeer Industry in Norway. A Comparative Study*. Paper presentert på IASCP konferanse i Bodø, May 1995, 25 p.
- Vatn, A., 1995. *Externalities - a Market Model Failure*. Presentation at the 5th yearly EAERE-conference, Umeå, Sweden, June, 24 p.
- Bakken L., S. Christensen, K. Refsgaard and A. Vatn, 1994. Energy use and emission of greenhouse gases from grassland agricultural systems. In Mannetje L.T and J. Frame (eds.): *Grassland and Society* Proc 15th EGF, Wageningen, June 6-9 1994, Wageningen Pers, Wageningen, pp. 361-376.
- Vatn, A., 1992. *Internalization of Externalities or Externalization of Internalities*. Paper Presented at the Second ISEE Conference, Stockholm, August, 35 p.
- Vatn, A., 1991. Landbrukspolitikk og miljø. In SFFL Information series: *Faginfo no 3, 1991: Dyrking og utnytting av forvekster III*, 1990. Miljøvirkning ved produksjon og bruk av grovfôr, pp. 20-30.
- Jenssen, P.D. and A. Vatn, 1991. Decentralized technologies - the future solution to high nutrient removal and recycling. In Ødegaard, H., (ed.): *Emerging technologies in municipal wastewater treatment*. Proceedings, International conference: Environment Northern Seas (ENS), Stavanger, Norway, pp. 191-207.

Vatn, A., 1990. *Utformingen av økonomiske virkemidler - virkninger for kulturlandskapet*. Presentation for Project group on cultural landscape and the agriculture under the Nordic Council of Ministers. Printed in Working paper no 1, Kulturlandskap og jordbruk, pp. 69-76.

5. Keynotes and invited lectures at international conferences and seminars

- At the reception of the Kenneth Boulding Award. The 2016 ISEE conference, Washington DC, June 26-29, 2016.
- At the inauguration of C-WINS; Zhejiang University in Hangzhou, China. November 28-29, 2015. Title of presentation: Institutions and human action – from theory to practice.
- At the Herrenhausen Systemic Inquiry: ‘Governing the Anthropocene: Cyper-Systemic Possibilities’. Hannover, July 30-31, 2015. Title of presentation: Non-linear systems – the institutional challenge
- At 11th International Conference of ESEE. Leeds, June 30-July 3, 2015. Title of presentation: Ecosystem services valuation and provision.
- At WU Competence Day. Vienna, November 17, 2014. Title of presentation: Markets in environmental governance: The new way forward?
- At Inception Workshop of WINS, HNMBUoldt University, Berlin, 14-16 July, 2014. Title of presentation: Challenges and opportunities of building WINS: The art of working together.
- At the PESMIX conference, Montpellier, June 11-13, 2014. Title of presentation: Environmental Governance – Are Markets the Solution?
- At the BIOMOT international conference, Natural Science Museum, Brussels, March 24-25, 2014. Title of presentation: Motivational drivers and governance in biodiversity initiatives: Research on institutions and behavior.
- At the Albrecht-Daniel-Thaer Kolloquium on Institutional Economics and Climate Adaptation. Humboldt Universität zu Berlin, Monday March 17, 2014. Title of presentation: What can institutional theory bring to climate adaptation research?
- At the International Conference on Policy Mixes in Environmental and Conservation Policies 25. - 27. February 2014. Leipziger KUBUS, Leipzig, Germany. Title of the presentation: From theory to practice: An institutional analysis of policymix for biodiversity and ecosystem governance.
- At the ‘Greening Agriculture’ DPU, Tuborgvej 164, 2400 Copenhagen, April 24, 2013. Title of the presentation: Green Growth, Institutions and Behavior
- At the 7th BEES (Belgian Ecosystem Services) workshop, Brussels, March 26, 2012. Title of presentation: The value of monetary ecosystem service (e)valuations in policy formulations.
- At Dialogue Seminar on Scaling up Biodiversity Finance, Quito, Quito Hotel, March 6-9, 2012. Preparatory meeting for the 11th COP of CBD in Hyderabad. Title of presentation: Can Markets Protect Biodiversity? An evaluation of different financial mechanisms .
- At the LUOVA day 2011, University of Helsinki, October 27, 2011. Title of presentation: Ecosystem services – a concept becomes policy.
- At ‘Policy Dialogue on REDD’, New Delhi, July 14, 2011. Title of presentation: Governance structures for REDD+.
- At the 9th conference of the European Society of Ecological Economics at the Bogazici University, Istanbul, June 14-17, 2011. Title of presentation: Environmental Governance – What will the Future Look Like?
- At the ALTER-Net Conference on Ecosystem Services and Biodiversity, Vienna, November 3-4, 2010. Title of presentation: Ecosystem services from a policy perspective.

- At the Thor Heyerdahl International Day 2010, NTNU, Trondheim, October 27, 2010. Title of presentation: Menneske og miljø – fra genetikk til klimapolitikk
- At the 1st Nordic Conference on Forest Policy Science, Uppsala, October 14, 2010. Title of presentation: The role of markets in forest conservation
- At the ‘The Economy of Tomorrow’, the 12th Annual Conference for the Association for Heterodox Economics, Bordeaux, July 07-10, 2010. Title of presentation: Plural motivations – implications for environmental policy
- At the ‘Governance of the next generation infrastructures’ University of Delft, May 27-28, 2010. With Nobel Prize winners in economics Elinor Ostrom and Oliver Williamson. Title of presentation: Institutions for Sustainability – Transforming the Economic Development Path
- At the 20 years anniversary of CICERO, Grand hotel, Oslo, 27. april, 2010. Title of presentation: Klima – globale utfordringer og norsk politikk
- At the YHYS Colloquium, Finish Environment Institute, Helsinki, November 26-27, 2009. Title of presentation: Environmental Governance – between Conflict and Coordination
- At the Thor Heyerdahl International Day, Larvik, October 28, 2009. Title of presentation: Can forests save the climate?
- At the national Danish conference in environmental economics, Copenhagen, August 31-September 1, 2009. Title of presentation: Methods for Biodiversity Appraisal
- At the NMBU 150 years anniversary conference, Aas, May 28, 2009. Title of presentation: Mat, miljø og klima – er utviklinga bærekraftig?
- At the Seminar in Energy, Environmental and Resource Economics Sponsored by CEPE in collaboration with CER and PEPE, ETH, Zürich, April 24, 2009. Title of presentation: An Institutional Analysis of Methods for Environmental Appraisal
- At the Symposium in honor of Prof. Dr. Dr. h.c. Konrad Hagedorn on the occasion of his 60th Birthday, at the Faculty of Agriculture and Horticulture of the HNMBUoldt-Universität zu Berlin, December 15, 2008. Title of the presentation: Sustainability, Institutions and Behavior
- At the EEA workshop “Research foresight for Environment and Sustainability – workshop on mega-trends and surprises”, Copenhagen, May 14-15, 2007. Title of presentation: Economy drivers, uncertainty and surprises
- At the workshop in honor of A. Allan Schmid, the Henry Center of Executive development, Michigan State University Campus, March 15-16, 2007. Title of presentation: Institutions and Rationality
- At the 9th biannual Conference of the International Society for Ecological Economics, ‘Ecological Sustainability and Human Well-being’ in New Delhi, India, December 15-18, 2006. Title of presentation: Sustainability - the Need for Institutional Change
- At the Conference ‘Multifunktionale Landwirtschaft im 21. Jahrhundert’ 125 Jahres Jubileum Landwirtschaftliche Hochschule Berlin, Landwirtschaftlich-Gärtnerische Fakultät der Humbolt-Universität, Berlin, July 4, 2006. Title of presentation: Environmental Policy: The Role of Institutions. Discussant at the mini symposium on resource economics.
- At the NJF seminar 378, Tillage systems for the benefit of agriculture and the environment, 29-31 May 2006, Denmark. Title of presentation: To Till or not to Till - Economic and Environmental Considerations
- At the ENVECO (EU working group on environmental economics) meeting on biodiversity, 25. April 2006, Bruxelles. Title of presentation: Protection of Forest and Wetland Biodiversity in the Nordic Countries: A Policy Evaluation.

- At the 'Annual Sustainable Development Research Conference 2005' arranged by the Sustainable Development Research Network, London, 22. September, 2005. Title of presentation: Alternatives for Environmental Valuation.
- At the conference 'Globalisation, New Economy and the Environment', arranged by the Russian Society for Ecological Economics, St Petersburg, June 23-25, 2005. Title of presentation: Institutions, Behavior and the Formulation of Environmental Policy.
- At the conference 'Economics and Sustainable Forest Management', University of Toronto, Canada, May 20-22, 2004. Title of presentation: Valuing Forest Ecosystems – An institutional Perspective.
- At the Frontiers 2 Conference, arranged by the European Society of Ecological Economics, Tenerife, Spain, 12-15 February 2003. Title of presentation: Building Interdisciplinary Research.
- At the Gyeongbuk World Agri-Culture Forum 2002, Gyeongsangbuk-do province, October 11-23, Korea. Title of presentation: 'Multifunctionality in Agriculture and its Compatibility with Globalization'.
- At the Congress 'Exploring Diversity in European Agri-food System' arranged by the European Agricultural Economics Association. Zaragoza, Spain, August 28-31, 2002. Title of presentation: 'Multifunctional Agriculture - some Consequences for International Trade Regimes'.
- At the OECD workshop: 'Multifunctionality: Applying the OECD Analytical Framework – Guiding Policy Design', OECD/Paris, July 2-3, 2001. Title of presentation: 'Transaction Costs and Multifunctional Agriculture.'
- At the seminar: 'Role of Multifunctionality in Agricultural Policy Reform', arr. by the Asian Productivity Organization. Tokyo, Jan. 27-Feb. 3, 2000. Title of presentation: 'Integrated Policy Approaches to Multifunctionality'.
- At the seminar: 'Alternative Use of Agricultural Land', NJF seminar nr 210. Foulum, Denmark, June 9-10, 1997. Title of presentation: 'Integrated Economic and Ecological Analyses of Land Use - Modelling Nutrient and Soil Losses to the Environment'.

6. Affiliations/appointments (since 1990)

6.1 International research organizations, PhD courses and referee journals

- President of the European Society for Ecological Economics (ESEE) (2006-2009)
- Vice-president of the European Society for Ecological Economics (ESEE) (2000-2006)
- Responsible for the Thor Heyerdahl Summer School in Environmental Governance, offering a 10 credit course at PhD level at NMBU 2011-2014
- Responsible for the summer school series 'Theories and Methods for Sustainability Research (Themes)' 2005-2009. 4 summer schools arranged at different European Universities and funded by Marie Curie
- Member of the editorial board for Environmental Policy and Governance (2009 -)
- Member of the editorial board for Ecological Economics (2009 -)
- Member of the editorial board for Environmental Values (2000 - 2012)
- Member of the editorial board for European Review of Agricultural Economics (1999 - 2006)

6.2 Committees

- Vice Chair of the board of Noragric (2011 - 2016)
- Leader of the master program in International Environment Studies (2016 -)

- Member of the Education Committee Noragric/Landsam (2016 -)
- Member of the Appointment Committee Noragric (2014 - 2016)
- Head of the advisory board of the EU project 'POLICYMIX', led by NINA, Oslo, 2010-14.
- Leader for the program committee for the research program 'Miljø 2015' ('Environment 2015'), Norwegian Research Council (2006 – 2010).
- Member of Climate 21 – a steering group for the strategic forum for climate change research appointed by the Norwegian government (2009)
- Member of advisory group for the Ministry of Agriculture and Food on climate policy (2008-2009)
- Member of the committee for the development of a new research program for environmental issues (Miljø 2015), Norwegian Research Council (2005 – 2006)
- Member of the National Committee for Research Ethics in Natural Sciences and Technology (2003-2005)
- Leader for the research program 'Environment and bio-production' at NMBU from 2002 - 2005.
- Member of the board for the research program 'RAMBU' (Rammebetingelser for en bærekraftig utvikling (Policies for a sustainable development)), Norwegian Research Council (2001-).
- Member of the board for the research program 'Marked og samfunn' (Market and society) Norwegian Research Council (1998 - 2001).
- Member of the board of education, Dept. of Economics and Social Sciences, NMBU, 1999 – 2006 (incl. responsibility for BSc and MSc programs in Economics and Resource Management (2005-2006).
- Member of the board for the workshop series: SPEER - Social Psychology and Economics in Environmental Research (1999-2000). Financed by the European Science Foundation.
- Member of the board for the EU concerted action *Environmental Valuation in Europe* (EVE) (1998-2000). 9 workshops and 3 summary meetings held.
- Member of the committee for development of the 3. strategic plan, NMBU, 1997-1998
- Research coordinator for the research program 'Environmental Management in Agriculture' (MILDRI) at NMBU from 1996-2002.
- Leader of the Research Council at NMBU, 1993
- Member of the Expert Committee for the social science part of the Nordic Environment Research Program, 1992 – 2000
- Leader of the National Program Committee for the research program '*Economy and Ecology – Measures for a Sustainable Development*', 1990 – 1993
- Member of the Consultative Board on Economics and Social Sciences, Norwegian Agricultural Research Council, 1988-1990
- Member of the board for the research program '*Virkemidler i ernæringspolitikken*' (Measures in Nutrition Policy), Norwegian Research Council on Applied Social Science Research, 1987-1990.
- Member of different committees especially on the establishment of interdisciplinary research and research institutions concerning environmental problems, both nationally and at NMBU, (1988 -).

6.3 Consultancies

- Norad (2011 -): On biodiversity finances
- Norad (2008 -): On the international REDD process
- OECD (2001 - 2007): Mainly on the issue of multifunctional agriculture, agriculture and trade
- Norwegian Ministry of Agriculture (1999 - 2006): Mainly on the issue of multifunctional agriculture, agriculture and trade

- Norwegian Ministry of Environment (1988 - 1990): Engaged as expert for the subgroup on environmental issues under the Alstadheim Committee (NOU 1991:2 Norsk Landbruks-politikk).

6.4 Others

- External supervisor for the social science part of the research program 'Urban Water' at Chalmers University of Technology, Gothenburg, 2002 – 2005.

7. Research projects and programs¹ (since 1990)

- *'ACT: From targets to action - public responses to climate policy instruments'*. Financed by the Norwegian Research Council (2017-20).
- *'SHARON: The sharing economy - motivations, barriers and effects'*. Financed by the Norwegian Research Council (2017-20). Led by Hege Westskog (CICERO)
- *'SMARTCROP: Innovative approaches and technologies for Integrated Pest Management (IPM) to increase sustainable food production'*. Financed by the Norwegian Research Council (2015-18). Led by Ingebjørg Klingen (NIBIO). My responsibility regards the leadership of WP4.3 on 'Policy measures'
- *'Mana_Forest: Man and forests – an evaluation of management strategies for reduced deforestation and forest degradation'* Financed by the Norwegian Research Council (2013-16)
- *'Efficiency, Opportunities and Challenges of Market and Non-Market Based Mechanisms for Payment for Ecosystem Services (PES) and Valuation of Nature (Biodiversity)'* Financed by NORAD. 2014.
- *'Rettferdig fordeling, vekst og grønn økonomi'*. Financed by NORAD. 2012.
- *'Can markets protect biodiversity? An evaluation of different financial mechanisms.'* Financed by NORAD. 2011.
- *REDD Architecture in Tanzania: Assessment of REDD options for Livelihood Security and Sustainable Development*. Project under the program Climate Change Impacts, Adaptation and Mitigation (CCIAM). Led by dos Santos Silayo, Sokoine University of Agriculture (2011 -2013).
- *Poverty and sustainable development impacts of REDD architecture; Options for equity, growth and the environment* (financed by Norad) (2009-2012), led by Maryanne Grieg Gran, IIED, London.
- *Learning from REDD: A Global Comparative Analysis* (financed by Norad) (2009-2012) led by CIFOR.
- *Environmental policy and human action* (financed by the Norwegian Research Council) (2008- 2013)
- *The REDD direction - the potential for reduced carbon emissions, biodiversity protection and increased development* (financed by Norad) (2008-2009)
- *Can a combination of policy instruments increase the effectiveness and public acceptability of environmental policies?* (financed by the Norwegian Research Council) (2008-2012), led by Hege Westskog, Center for International Climate and Environmental Research (CICERO), Oslo
- *Participatory Approaches in Science and Technology (PATH)* (financed by the EU

¹ When not indicated, the author has led the project/program in question

- commission) (2004-2006), led by Wendy Kenyon, Macaulay Institute, Aberdeen, Scotland
- *Application of multi criteria analysis in coastal zones in Norway: A tool for development of compromise solutions for different uses* (financed by the Norwegian Research Council) (2003 –2008)
 - *Ecology, Agriculture and Climate Change* (EACC) (financed by the Norwegian Research Council) (2002- 2007), led by Lars Bakken, NMBU
 - *Policy instruments for the management of biodiversity in forests and wetlands* (financed by the Nordic Council of Ministers) (2002-2004)
 - *Multifunctional agriculture – transaction costs, behavior and policy measures*. (financed by the Norwegian Research Council) (2002-2004)
 - *Consultative institutions, values and information in a changing society (CIVICS)* (financed by the EU Commission; led by dr. Clive Spash/Cambridge University UK) (2002-2003)
 - *Policy measures, rights and costs. An analysis of the possibilities for developing the multi-functional role of agriculture* (financed by the Ministry of Agriculture) (2001).
 - *Social psychology and economics in environmental research* (financed by the European Science Foundation; led by dr. Clive Spash/Cambridge University UK) (1999-2000).
 - *Policy measures for a multi-functional Agriculture* (financed by the Ministry of Agriculture) (1998-2000).
 - *Environmental valuation in Europe* (financed by the EU Commission; led by dr. Clive Spash/Cambridge University, UK) (1998-2000)
 - *Economic instruments for nitrogen control in European agriculture (Nitrotax)* (financed by the EU Commission; led by researchers at CLM, the Netherlands) (1996-1999).
 - The research program *Environmental Management in Agriculture (MILDRI)* (financed by the Norwegian Research Council, the Ministries of Agriculture and the Environment, and the research fund under the Agricultural Agreement) (1996-2001). Preparation, coordination and own research.
 - *'The nitrogen game': A study of the environmental policy in Agriculture* (financed by the Norwegian Research Council) (1995-1998).
 - The research program *Economy and Ecology - Resource Management and Pollution in agriculture (ECEC/RMPA)* (financed by the Norwegian Research Council for Agriculture and the Norwegian Research Council) (1991-1995). Preparation, coordination and own research.
 - *Agricultural policy and environmental management* (financed by the Norwegian Research Council for Technology and Natural Sciences) (1988-1990).

8. Teaching

I mainly teach topics related to institutional economics, ecological economics and environmental governance. I am presently responsible for 2 courses at Noragric/NMBU:

- EDS 303 [Introduction to International Environmental Studies](#) (Course Responsible)
- EDS306 [Foundations of Sustainability Science](#)
- EDS348 [The Politics and Governance of the Environment](#) (Course Responsible)

Presently I am supervisor of 6 master and 6 PhD students (one as co-supervisor).

I have organized the Thor Heyerdahl Summer School in Environmental Governance, offering a 10 credit course at PhD level at UMB (2011-2014), financed by the Norwegian Research

Council, The Thor Heyerdahl Institute and NMBU. I have also been leader of international PhD course series ‘Theories and Methods in Sustainability Research (THEMES) (2006-2009) financed by the EU (Marie Curie) and arranged at different universities across Europe. I have moreover taught at different international universities and research institutes – e.g., University of Klagenfurt, Vienna; University of Oxford; New University of Lisbon; University of Sussex; Universidad Internacional de Andalucia, Zhejiang University, Wirtschaftsuniversität Vienna; McCauley Institute, Aberdeen; ATREE, Bangalore.

9. Education

Cand. agric in Agricultural Economics (M.Sc-level), NMBU, 1979.

Dr. scient in Agricultural Economics (PhD-level), NMBU, 1983.