

October 2020

BÅRD HARSTAD

PERSONAL Born in Norway March 16, 1973 Married and father to Ildri (2008) and Trygve (2010)

POSITIONS

| | | |
|-------------|---|---|
| 2011 – | Professor in Economics | University of Oslo |
| 2021 – | Managing Editor (from April) | Review of Economic Studies |
| 2019 – | Co-Editor (until March, 2021) | Journal of the European Economic Association |
| 2019 | Visiting Professor, January | MIT |
| 2016 – | Associate Member/Faculty | Toulouse School of Economics |
| 2011 – | Scientific Advisor | Ragnar Frisch Centre for Economic Research |
| 2009 – | Network Member | CESifo |
| 2010 – 2013 | Faculty Research Fellow | National Bureau of Economic Research |
| 2012 – 2013 | Associate Professor – tenured | MEDS, Kellogg School of Management |
| 2010 – 2013 | Max McGraw Chair in Management & Environment, | Kellogg School of Management |
| 2008 – 2012 | Associate Professor – untenured | MEDS, Kellogg School of Management |
| 2004 – 2008 | Assistant Professor | MEDS, Kellogg School of Management |
| 2003 – 2004 | Senior Researcher | Norwegian Institute of International Affairs (NUPI) |
| 1999 – 2000 | Short-term Consultant (summers) | World Bank |
| 1992 – 1993 | Mandatory military service (one year) | Air force |

EDUCATION

| | | |
|-------------|--------------------------------------|-----------------------------------|
| 1998 – 2003 | Ph.D, Economics (adv: T. Persson) | Stockholm University (IIES) |
| 2001 – 2002 | Special Student (host: O. Hart) | Harvard University (Economics) |
| 1997 – 1998 | Advanced Studies Program | Kiel Institute of World Economics |
| 1995 – 1999 | Cand. Oecon (≈M.Sc) (adv: G. Asheim) | University of Oslo (Economics) |
| 1993 – 1994 | Physics & Mathematics | NTH (now NTNU) |

RESEARCH **THEORY & POLITICAL ECONOMICS OF THE ENVIRONMENT** [# refers to paper]

| | | |
|-----|---|---|
| 1-A | Conservation and supply-side policies (ERC project) | [10, 14, 16, 19, 22, 27, 28, 30, 32] |
| 1-B | Dynamic games of emissions and treaties | [9, 12, 13, 17, 21, 23, 24, 25, 31, 34, 35, 37] |
| 2-A | Political economics of agreements and federalism | [1, 2, 4, 5, 6, 11, 20, 33] |
| 2-B | Political economics of regulation | [7, 8, 15, 18, 25, 26] |

PUBLICATIONS

| | | | | |
|------|------|--|---|------------------|
| [21] | 2020 | Technology and Time Inconsistency | <i>Journal of Political Economy</i> | 128(7): 2653-89. |
| [20] | 2020 | The Political Economy of Weak Treaties w. M. Battaglini | <i>Journal of Political Economy</i> | 128(2): 544-90. |
| [19] | 2019 | The case for a supply-side climate treaty w. Asheim, Fæhn, Nyborg, Greaker, Hagem, Hoel, Lund, Rosendahl. | <i>Science Policy Forum</i> | 365(6451). |
| [18] | 2019 | Gridlock and Inefficient Policy Instruments w. Austen-Smith, Dziuda, Loeper | <i>Theoretical Economics</i> | 14(4):1483-1534. |
| [17] | 2019 | Compliance Technology and Self-enforcing Agreements w. Lancia, Russo | <i>Journal of the European Economic Association</i> | 17(1):1-30. |
| [16] | 2017 | Conservation Contracts and Political Regimes w. T. Mideksa | <i>Review of Economic Studies</i> | 84(4):1708-34. |
| [15] | 2017 | Private Politics and Public Regulation w. G. Egorov | <i>Review of Economic Studies</i> | 84(4):1652-82. |
| [14] | 2016 | The Market for Conservation and Other Hostages | <i>Journal of Economic Theory</i> | 166(Nov):124-51. |
| [13] | 2016 | Participation and Duration of Environmental Agreements w. M. Battaglini | <i>Journal of Political Economy</i> | 124(1):160-204. |
| [12] | 2016 | The Dynamics of Climate Agreements | <i>Journal of the European Economic Association</i> | 14(3):719-52. |
| [11] | 2015 | Experimentation in Federal Systems w. S. Callander | <i>Quarterly Journal of Economics</i> | 130(2):951-1002. |

- [10] 2012 Buy Coal! A Case for Supply-Side Environmental Policy *Journal of Political Economy* 120(1):77-115.
 • Reprinted in Copeland (Ed.) *Recent Developments in Trade and the Environment*, Edward Elgar.
- [9] 2012 Climate Contracts: A Game of Emissions, Investments, Negotiations, and Renegotiations *Review of Economic Studies* 79(4):1527-57.
 • Reprinted in Finus and Caparros (Eds.) *Game Theory and International Environmental Cooperation: Essential Readings*, Edward Elgar.
- [8] 2011 Bribes, Lobbying, and Development w. J. Svensson *American Political Science Review* 105(1):46-63.
 • Reprinted in Dutta and Aidt (Eds.), *Corruption and Economic Development*, Edward Elgar .
- [7] 2010 Trading for the Future: Signaling in Permit Markets w. G. Eskeland *Journal of Public Economics* 94(9-10):749-60.
- [6] 2010 Strategic Delegation and Voting Rules *Journal of Public Economics* 94(1-2):102-13.
- [5] 2008 Do Side Payments Help? Collective Decisions and Strategic Delegation, *Journal of the European Economic Association papers and proceedings*, 6(2-3).
- [4] 2007 Harmonization and Side Payments in Political Cooperation *American Economic Review* 97(3):871-889.
- [3] 2007 Organizational Form and the Market for Talent, *Journal of Labor Economics* 25(3):581-611.
- [2] 2006 Flexible Integration? Mandatory and Minimum Participation Rules *Scandinavian Journal of Economics* 108(4).
 (special issue on political economy)
- [1] 2005 Majority Rules and Incentives *Quarterly Journal of Economics* 120(4):535-68.

PAPERS UNDER REVIEW

- [22] 2020 Contracts and Induced Institutional Change, w. T. Mideksa.
- [23] 2020 A Theory for Pledge-and-Review Bargaining.
- [24] 2020 Pledge-and-Review Bargaining: From Kyoto to Paris.
- [25] 2020 Policies and Instruments for Self-enforcing Agreements, w. F. Lancia and A. Russo.
- [26] 2020 The Choice of Certifier in Endogenous Markets, w. J Bizzotto.
- [27] 2020 The Conservation Multiplier.
- [28] 2020 Trade and Trees.

WORK IN PROGRESS

- [29] 2020 Informing Markets vs. Regulators, w. G. Egorov.
- [30] 2020 Conservation Contracts for Exhaustible Resources, w. N. C. Framstad.
- [31] 2020 Reciprocity rather than Money: Public Goods Contribution without Transfers, w. Hörner, Mu.

BOOK CHAPTERS

- Three journal articles, [8]-[10], are reprinted as book chapters.
- [32] 2017 Improving Paris: Credibility, Technology, and Conservation, in Arezki, Bolton, El Aynaoui, and Obstfeld (Eds.), *Coping with the Climate Crisis*, Columbia University Press.
- [33] 2015 Political Treaties as Incomplete Contracts, in Aghion et al. (Eds.) *The Impact of Incomplete Contracts on Economics*, Oxford University Press.
- [34] 2013 Games and Resources, with Matti Liski, in Shogren (Ed.) *Encyclopedia of Energy, Natural Resource and Environmental Economics*, Elsevier.
- [35] 2009 How to Negotiate and Update Climate Agreements, in Aldy and Stavins (Eds.) *Post-Kyoto International Climate Policy*, Cambridge University Press.

BOOK REVIEW

- [36] 2015 Review of *Environmental Markets: A Property Rights Approach* by Anderson and Libecap *Journal of Economic Literature* 53(3).

BOOK CONTRACT

- [37] 2020 *Climate Contracts* (in progress...) MIT Press.

AWARDS AND HONORS

| | |
|---------------|--|
| 2013 and 2019 | Erik Kempe Award (best European paper in environ./resource economics last 2y) |
| 2005 – | > 10 of the above papers have been taught in external Ph.D classes |
| 2004 – | > 200 invited presentations (>100 since 2012) |
| 2019 – | Elected member, The Norwegian Academy of Science and Letters (DNVA) |
| 2019 – | Fellow of the European Economic Association |
| 2016 – 2021 | ERC Consolidator Grant on “The Economics and Politics of Conservation” |
| 2013 | Fridjof Nansens Award for Young Researchers |
| 2012 | “One of ten foremost Norwegian scholars below 40” according to Morgenbladet |
| 2011 | ERC Starting Grant for 2012-2016 on “Institutions” |
| 2008 | Sandmo Junior Visiting Fellowship (first recipient): Award from NHH |
| 2006 | Arnbergska Prize (70.000 SEK): Award from The Royal Swedish Academy of Sciences for best thesis in Economics/Statistics last few years |
| 2000 | Nationalgaven til Chr. Michelsen (50.000 NOK), The Chr. Michelsen Institute: “Scholarship for a distinguished Norwegian scholar” below the age of 35. |

TEACHING AND ADVISING

| | | |
|-------------|---|-------------------------------|
| 2019 | Climate Change and Environmental Economics, MIT | (PhD half-course) |
| 2017 – | Conservation, Toulouse School of Economics | Master level lectures, |
| 2016 – | Environmental Economics | (master course) |
| 2014, '17 | Dynamic Games in Environmental Economics | (Ph.D minicourse) |
| 2012 – | Advanced Microeconomic Theory | (Ph.D); |
| 2012 – | Supervising 6 Postdocs/ 8 PhDs/ 8 Master students at the University of Oslo | |
| 2005 – 2010 | Ph.D committee member for Serra Boranbay, Frances Xu, Christian Kellner, Agustin Casas, placed at Mannheim, Hong Kong, Bonn, and Florence | |
| 2009 – 2011 | Values and Crisis Decision-Making | (MBA) |
| 2009 – 2011 | Topics in Formal Political Theory | (Ph.D) |
| 2005 – 2008 | Social Choice and Voting Models | (Ph.D) |
| 2007 – 2008 | Formal Models in Political Science | (MMSS, undergraduate program) |
| 2005 – 2007 | Strategic Management in Non-Market Environments | (MBA) |

EDITORIAL POSITIONS

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|-------------|-------------------------------|---|
| 2021 – | Managing Editor (from April) | <i>Review of Economic Studies</i> |
| 2019 | Co-editor (until March, 2021) | <i>Journal of the European Economic Association</i> |
| 2017 – | Editorial Board member | <i>American Economic Review</i> |
| 2013 – | Editorial Board member | <i>Review of Economic Studies</i> |
| 2013 – 2018 | Associate Editor | <i>Journal of the European Economic Association</i> |

SERVICE

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|----------------|-------------------------|---|
| 2020 | Evaluation panel member | ERC (Starting grants, SH1) |
| 2020 | Organizer and host | Environmental policy & political science workshop, Oslo |
| 2017 – 2021 | Program Committee | EAERE (European Ass. for Env. & Res. Economics) |
| 2018 | Organizer and host | Political Economy and the Environment workshop, Oslo |
| 2016, '17 | Program Committee | European Winter Meeting of the Econometric Society |
| 2016 | Organizer and host | Environment and Theory workshop, Oslo |
| 2010, '11, '15 | Program Committees | European Economic Association Annual Congress |
| 2015 | Program Committee | Econometric Society World Congress |
| 2014 | Organizer | Ethics and Theory workshop, Oslo |
| 2014 | Program Committee | WCERE Meeting, Istanbul |
| 2014 | Organizer and host | Environment and Ethics workshop, Oslo |
| 2012, '21 | Program Committee | Econometric Society Summer Meeting |
| 2012 – 2014 | Co-organizer | Economics seminars, University of Oslo |
| 2004 – 2011 | Co-organizer | The Political Economy seminar series, Kellogg |
| 2011 | Co-organizer with Yale | Conference on International Environmental Agreements |

DISSEMINATION

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|----------------|---|---|
| 2012 – | Op-Ed column every 7 th week | <i>Dagens Næringsliv</i> (2014–), <i>Aftenposten</i> (2012-14). |
| 2008, '13, '19 | Op-Eds | <i>Financial Times</i> . |

REFEREEING

American Economic Journal: Economic policy, American Economic Journal: Micro, American Economic Review, American Political Science Review, The B.E. Journal of Economic Analysis & Policy, The B.E. Journal of Theoretical Economics, The British Journal of Political Science, Economic Inquiry, Econometrica, Economica, Economic Journal, Economics of Governance, Economics Letters, European Economic Review, European Journal of Political Economy, International Economic Review, International Journal of Industrial Organization, Journal of Comparative Economics, Journal of Economic Growth, Journal of Economic Integration, Journal of Economic Theory, Journal of Economics & Management Strategy, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of International Economics, Journal of Labor Economics, Journal of Law, Economics, & Organization, Journal of Political Economy, Journal of Public Economics, Journal of Public Economic Theory, National Tax Journal, Quarterly Journal of Economics, Quarterly Journal of Political Science, Review of Economic Design, Review of Economic Studies, Scandinavian Journal of Economics, Science, Social Choice and Welfare, Theoretical Economics, World Politics

PRESENTATIONS

2021 (*scheduled*): Keynote speaker, German Economic Association...

2020: Keynote speaker, 3rd ETH Workshop on Democracy: Theoretical Political Economy. Keynote speaker: Workshop on The Economics and Politics of Phasing Down Fossil Fuel Production, Wageningen U. Seminar, UC Berkeley, Paris School of Economics, U. of Naples, SITE (Stanford), John Hopkins, Bocconi, Venice, Duke, King's College, Grenoble, Hamburg, Arizona, Venice.

2019: AERNA (keynote speaker), U Chicago, Northwestern U., Wallis conference, LSE workshop, Graz, CEU, Umeå U., Toulouse, CESifo, UPF, UAB, University of Barcelona, UC3M, BI workshop.

2018: MIT, Princeton, Stanford GSB, Berkeley, UCSD, Invited session speaker: ESEM (2018), *Keynote* speaker: Australasian Association of Resource Economics meeting (2018), *Keynote* speaker: SURED conference (2018), *Keynote* at "Conference of the Danish Environmental Economic Council 2018," HEC, Ecole Polytechnique, Melbourne business school, EIEF (Rome), ANU (Canberra), NTU (Taiwan), SMU (Singapore), NUS (Singapore), Baptist U. Hong Kong, NTNU, Toulouse.

2017: *Plenary* speaker: NICEP workshop (Nottingham), *invited guest* speaker: "Environmental NGOs" (Paris), *invited* speaker: NGO workshop (Geneva), *key speaker*: "Frontiers in Environmental Economics" (Paris, Dec. 2017), LSE (theory), LSE Grantham, Manchester, Queen Mary U, Essex, Toulouse energy-environment workshop, U of Geneva, ETH Zurich, Nationalekonomiska foreningen (Stockholm), Stockholm School of Economics, Uppsala U

2016: *Keynote* speaker: Bruneck Political Economy workshop, IMF High level seminar: Marrakesh, Harvard U: Law&Econ, Harvard U: Environmental economics, Harvard U: political theory, Columbia U: Micro, Columbia U: environmental economics, Chicago U, Cornell, Rice U, EUI, Bologna, Dual plenary speaker Int. Ass. Energy economics, CERGE/Prague, Aix-Marseille School of Economics, Harvard climate workshop

2015: Stanford GSB, Yale, Berkeley political economics, Berkeley ARE, New York University, Brown University, University of Vienna, Toulouse School of Economics, University of Zurich, University of Copenhagen, Ecole Polytechnique Paris, Carlos III Madrid, Conference-Activism and Public Regulation at ETH Zurich, The Second Environmental Protection and Sustainability Forum, University of Bath (*Keynote* speaker)

2014: LSE-government, Warwick University, Princeton political economy conference, LSE-Grantham, Mannheim climate conference, FEEM: Milano, Bocconi, FEEM Venice, Roy Radner workshop, NHH seminar, NHH workshop

2013: Zurich ETH x2, Berlin WZB, CESifo keynote speaker, CREE workshop, St Gallen climate economics workshop, EAERE, University of Bergen, NHH-conference, ESOP, 2xPrinceton, Toulouse-Northwestern conference, Oxford, Paris (Roy Seminar), UMB

2012: Instruments to Curb Global Warming conference - Paris, Toulouse School of Economics, Namur, The Nemmers Conference honoring Elhanan Helpman, Conflict and Cooperation conference – Northwestern, University of Bonn, conference on NGOs at LSE, conference on political economy at LSE, conference on Public Choice in Hamburg, conference on discounting at NHH

2011: Stanford GSB, UC Berkeley – economics and political science, UC Berkeley – agricultural and resource economics, University of Chicago–Booth, Resources for the Future, The World Bank, John Hopkins, NBER Law&Economics summer meeting, NBER Energy and Environment summer meeting, "Grossman and Hart at 25," Princeton Political Economy Conference, Erasmus School of Economics, Yale U, Conference on Environmental Agreements – the Leitner Center at Yale, NHH, University of Oslo

2010: McGill University, University of Pennsylvania, World Congress of Environmental and Resource (two invited papers), FEEM Workshop: Institutions for Climate Governance, Toulouse School of Economics, Stanford GSB – Econ, CIRPEE Workshop in Political Economy – Quebec city, Columbia University, Yale University

2009: NBER, CESifo, Princeton, World Bank, Coalitions for Climate Cooperation - FEEM, Venice, U of Copenhagen, Paris School of Economics, HECER (U of Helsinki, Helsinki School of Economics, Hanken School of Economics), U of Oslo, IIES, Stockholm University, Simon Fraser U, U of British Columbia, Economic Games and Mechanisms to Address Climate Change - MSRI Berkeley, PICA (Political Economy in Chicago Area) conference, American Economic Association Meeting - San Francisco

2008: Caltech, USC Marshall School of Business, Chicago Fed, Theory Workshop - Northwestern University, Wallis conference in Political Economy, SITE conference on federalism, World Congress on Game Theory, CC8: Technology and Finance in Climate Cooperation, Harvard Project on International Climate Agreements, Cornell University, Keynote speaker – Forskermøtet (annual Norwegian conference), Norwegian School of Economics and Business Administration

2007: University of Lausanne (HEC), Toulouse School of Economics (CREMAQ), University of Warwick, London School of Economics, MEDS-lunch, University of Chicago, Princeton - Political Science, Georgetown University, University of Maryland, Invited speaker – The European Economic Association Summer Meeting, Stockholm University, CEPR – Swedish Development Economics Network Conference

2006: University of Oslo, The European Meeting of the Econometric Society, EEA Summer Meeting

2005: Harvard and MIT development workshop, Concordia (CIREQ: Joint seminars with University of Montreal and McGill), European Economic Association, Econometric Society World Congress, University of Stavanger, Norwegian Central Bank, BASE (Business and its Social Environment) conference, University of Pennsylvania, Stanford GSB, UC Berkeley

2004: Case Western Reserve University, Stockholm School of Economics, Research Institute of Industrial Economics (Stockholm), European Economic Association Summer Meeting, CICERO (University of Oslo), Norwegian Institute of International Affairs, University of Bergen, Princeton University, Pennsylvania State University, Kellogg School of Management, Stockholm University, University of Oslo.