



Curriculum Vitae



Henrik Lindhjem

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 Nationality: Norwegian
 Date of birth: October 13, 1973

Office address (secondary):

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 Gaustadalleen 21, N-0349 Oslo
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PROFILE

Henrik Lindhjem holds a PhD in environmental and natural resource economics and two Master degrees in economics, and environment and development. He has more than 15 years' experience from economic analysis of environmental, health and climate policies and natural resource management, non-market valuation of public goods, cost-benefit analysis and impact assessments. Recently, Henrik has particularly worked on economic valuation methods applied to ecosystem services from forests, urban areas, and marine/coastal and fresh water environments; economics of biochar, carbon sequestration and climate adaptation; and analysis of economic instruments (such as PES) in biodiversity conservation & ecosystem service management. He is highly experienced in quantitative survey methods. He holds an adjunct research position at the Norwegian Institute for Nature Research (NINA) and reviews and publishes regularly in international journals. He was managing editor of the peer review journal of Norwegian Association of Economists from 2011-13.

In-country work experience (excl. conferences): Belgium, Brazil, Cameroon, China (since 2002), Costa Rica, Czech Republic, Denmark, England (resident 1998/9, 2006), Finland, France, Ghana, Guatemala, Indonesia (resident 1999), Japan, Malaysia, the Netherlands, Poland, Portugal, Romania, South Africa, Spain, Sweden, Tanzania (resident 1996/97), Uganda (resident 2001/02), USA (resident 2005), Vietnam & Zambia.

Publication summary:

Research, policy and consultancy reports: > **100**.

Peer review papers, chapters, scientific journal editorials & commentary: **35**, Google Scholar Citations > **750**. 17 papers cited at least 10 times. 5 papers cited more than 50 times. Most cited paper in Journal of Forest Economics. Popular writings (newspapers etc.): > 15

ACADEMIC QUALIFICATIONS

- 2005-2009 **PhD, Environmental Economics**, Department of Economics & Resource Management, Norwegian University of Life Sciences. Achieved part-time.
 Title of thesis: "*Methodological issues in meta-analysis, benefit transfer and environmental valuation*".
 Committee: Karine Nyborg (EAERE president, 2012-13) & Randall Rosenberger.
- 2005 (autumn) PhD courses, University of California, Berkeley (Grade: A)
Behavioural economics, environmental & natural resource economics
- 1998-1999 **Master of Philosophy**, Environment and Development, Department of Geography, University of Cambridge, UK (Grade: First)

1993-1998 *Climate policy, biodiversity/ecosystem valuation & management, ecotourism, **Master of Economics**, University of Oslo, Norway (Grade: First, top in class) Micro, environmental & natural resource, development, econometrics*

WORK EXPERIENCE

2010- Senior partner & research director, Vista Analysis, Oslo.
2010- Adjunct researcher (Forsker I), Norwegian Institute for Nature Research (NINA).
2011-13 Managing editor of the journal of the Norwegian Association of Economists, *Samfunnsøkonomen*.
1999-09 Economist & Senior economist, Econ Pöyry (formerly ECON Analysis), Oslo. Part-time 2/2005- 9/2008.
2005-08 PhD Scholar, Department of Economics & Resource Management, Norwegian University of Life Sciences. Supervised by Prof. Ståle Navrud.
2008-11 Consultant for the Environment Directorate of the OECD.
2001-07 Various assignments as consultant for the World Bank.
2005 Visiting Researcher, Dep. of Agricultural & Resource Economics, University of California, Berkeley. 7/2005-12/2005. Invited by Prof. Anthony C. Fisher.
1998-99 British Chevening Research Scholar, University of Cambridge.
1998-00 Teacher, tutor & external examiner, Dep. of Economics, University of Oslo.
1993-94 Military service as Corporal at NATO headquarters.

LANGUAGES

Norwegian Mother tongue
English Fluent

RESEARCH & POLICY ANALYSIS PROJECTS (1999-ONGOING)¹

1. Non-market valuation, cost-benefit analysis & risk analysis
2. Environmental and natural resource policy instruments
3. Environmental and social assessments, safeguard analysis
4. Miscellaneous environment & development

1. Non-market valuation, cost-benefit analysis & risk analysis (*academic research project)

2016-18 **COAST-BENEFIT: Ecosystem Service Valuation For Coastal Zone Management: From Promise to Practice.** Project manager. Research project with University of Stavanger and Norwegian University of Life Sciences and others. *Client: Norwegian Research Council, combined coastal program call*

2016- **Methodology for pricing local environmental impacts of transmission line projects.** Project manager. *Client: Statnett*.

2015-16 **The economic value of nature-based recreation in Norway.** *Client: NGO Norsk Friluftsliv*.

2015-16 **Methodology for bridging risk analysis and non-market valuation of damages from oil spills.** Project manager. *Client: Norwegian Coastal Administration*.

2015-16 **Ecosystem services in cost-benefit analysis of coastal safety measures.** *Client: Norwegian Coastal Administration*.

¹ See www.lindhjem.info and <http://www.vista-analyse.no/no/ansatte/henrik-lindhjem/> for full text of policy analysis reports & other publications. If Vista project manager, it is indicated.

- 2015-16 **Quality assurance of power grid upgrades in Northern Norway, north of Balsfjord.** *Client: Statnett.*
- 2015-16 **Pricing environmental impacts of railway project Grenlandsbanen (KVU)**
Client: the Norwegian National Rail Administration
- 2015-20 ***Understanding the link between air pollution and distribution of related health impacts and welfare in the Nordic countries (NordicWelfAir).** Project manager. *Client: Nordforsk.*
- 2014-17 ***Tailoring the ecosystem services approach to landscape level management in the Lofoten area (TESL).** Work package leader.
Client: Norwegian Research Council, Miljø2015 program
- 2014-17 ***Multiple ecosystem services of semi-natural grasslands (ClimateLand).**
Work package co-leader. With Statistics Norway, NINA and others.
Client: Norw. Research Council, Klimaforsk program
- 2013-16 **(*)Value of landscape experiences in a Nordic context. Phase I & II.** Towards capturing cultural service values of landscapes in decision-making. Project manager. *Client: Nordic Council of Ministers.*
- 2013-17 ***Forest ecosystem services: biodiversity, climate sequestration and forestry.**
Work package leader. Strategic NINA project.
Client: Norwegian Research Council/Directorate for Nature Management
- 2013- **Valuation and management of ecosystem services in China.**
Project manager. Seminars and project development.
Client: Norwegian Environment Agency/Norwegian Embassy Beijing
- 2015 **Cost-benefit analysis of risk reduction measures for the ship transport route Grøtøyleia in Northern Norway.** *Client: Norwegian Coastal Administration.*
- 2015 **Cost-benefit analysis of harbour and transport route measures in Rana, Sandnessjøen and Stabbsundet/Åmnøy.** *Client: Norwegian Coastal Administration.*
- 2015 **External costs from freight transport by rail road and sea.**
Client: Norwegian Public Roads Administration.
- 2015 **Valuing ecosystem services in Oslo.**
Peer reviewer. *Client: Norwegian Environment Agency*
- 2015 **Ecosystem services from green infrastructure in Norwegian cities.**
Peer reviewer. *Client: Norwegian Environment Agency.*
- 2015 **Costs and benefits of environmental targets for urban water courses.**
Peer reviewer. *Client: Governor of Oslo and Akershus and Oslo Municipality*
- 2015 **Value of urban ecosystem services: Four examples from Oslo.**
Peer reviewer. *Client: Future Cities Initiative.*
- 2015 **Quality assurance of power grid upgrades on the Norwegian west coast (SKL, Sunnhordaland Kraftlag area).** *Client: Statnett.*
- 2014-15 **Costs and benefits of national database of sub surface survey data.**
Peer reviewer. *Client: Norwegian transport directorate.*
- 2014-15 **Costs and benefits of increased snowmobiling in Norway.**
Client: Norwegian Trekking Association (DNT).

- 2014-15 ***Valuing environmental damages from coastal oil spills.**
Project manager. Large stated preference study (CV) of the welfare effects of oil spills. Input to revision of cost-benefit analysis guidelines. Phases 1-3.
Client: Norwegian Coastal Administration.
- 2014 **Costs and benefits of power grid upgrade to the Oslo area.**
Client: Statnett.
- 2011- ***Analysis of forest owner preferences for voluntary biodiversity conservation**
 Ongoing research collaboration with Dr. Yohei Mitani (Kyoto University, CSERGE, University of East Anglia).
Client: Japan Society for the Promotion of Science and other research grants.
- 2014 **Costs (and benefits) of alien invasive species in Norway.**
Client: Norwegian Environment Agency
- 2013-14 ***Valuing damages from coastal oil spills – follow up.**
Project manager. Investigation of environmental damages from light fuel types and methodological and theoretical challenges in valuation, including stability of preferences. *Client: Norw. Coastal Administration.*
- 2013-14 ***Publication & dissemination of oil spill valuation study.**
Project manager. Scientific papers and dissemination.
Client: Norw. Coastal Administration.
- 2013 **Cost benefit analysis of regulatory proposals.**
Project manager. Inputs to guidelines on CBA incl. specific example on amalgam phase out. *Client: Norwegian Government Agency for Financial Management*
- 2012-16 ***OpenNESS: Operationalisation of natural capital and ecosystem services:**
 from concepts to real-world applications. Large research project coordinated by the Finnish Environment Institute SYKE. Case study on urban ecosystem services in Oslo. *Client: EU 7th Framework Programme*
- 2011-15 ***BESAFE - Biodiversity and ecosystem services: arguments for our future environment.** Project manager NINA. *Client: EU 7th Framework Programme.*
- 2012-13 **Valuation of agricultural land and other natural resources in cost-benefit analysis of road projects.** *Client: Norwegian Public Roads Administration.*
- 2012-13 ***Valuing environmental damages from coastal oil spills – a pilot.** Stated preference study (CV) of the welfare effects of oil spills. Project leader. Input into revision of cost-benefit analysis guidelines. Project manager. *Client: Norwegian Coastal Administration.*
- 2012-13 **Ecosystem services in Lofoten and the Barents. Sea: Societal values and trade-offs.** Project co-mamanger. *Client: Ministry of Trade and Industry.*
- 2012-13 **Cost of environmental degradation in the North Sea and Skagerrak.** Project for the Norwegian TEEB Secretariat. *Client: Ministry of Environment.*
- 2012 **Urban ecosystem services in Norway.**
Project manager. Project for the Norwegian TEEB Secretariat.
Client: Ministry of Environment.
- 2012 **Values of ecosystem services and biodiversity in forests in Norway.**
Project manager. Project for the Norwegian TEEB Secretariat.
Client: Ministry of Environment.

- 2011-13 ***Costs and benefits of biochar for climate mitigation & adaptation in Malaysia and Indonesia.** With Norwegian Geotechnical Institute and Norges Vel. NINA project manager. *Client: Two projects for Norwegian Research Council (NORGLOBAL, FRIMUF).*
- 2011-12 **Social benefits of rural broadband investments in Norway.**
Client: Ministry of Local Government and Regional Development.
- 2011-12 **Cost-benefit analysis of Austevoll fishery harbour.**
Client: Norwegian Coastal Administration.
- 2011-12 **How to handle impacts on marine ecosystem services in economic analysis.**
Project manager. *Client: Norwegian Coastal Administration.*
- 2011-12 **Valuation of ecosystem services.**
Peer reviewer. *Client: Norwegian Petroleum Directorate.*
- 2011 **VALUESHED - Valuation of Ecosystem Services from Nordic Watersheds.**
Client: Nordic Council of Ministers.
- 2010-11 ***Operationalising the concept of ecosystem services in Norwegian natural resource management policy.** Internal NINA project.
Client: Norwegian Research Council.
- 2010 **Cost-benefit analysis of petroleum development in the Baltic Sea and Lofoten.**
Responsible for valuation of marine ecosystem services and risks related to oil spills and other impacts. NINA, Vista and other partners. *Client: Interdepartmental group headed by the Norwegian Ministry of Environment.*
- 2010 **What are the needs for publicly provided postal services?**
Project manager. Valuation public goods aspects of options for reforming the universal service obligation related to postal services in Norway. Vista with Econ Pöyry (lead). *Client: Norwegian Post and Telecommunications Authority.*
- 2009-10 ***Policy Implications of Meta-analysis of VSL Estimates.**
Project manager. Value of statistical life estimates for use in CBA. *Client: OECD.*
- 2009-10 ***Controlling benthic release of phosphorus in different Baltic Sea scales.**
Project manager. 3 year research project with several Nordic institutions. Contributions through valuation of water quality improvements through benefit transfer and a hedonic pricing study. Involved as adviser from January 2010.
Client: Swedish Environmental Protection Agency.
- 2008- 10 **Valuation of environment-related health impacts for children.**
Project manager. Co-authoring two report chapters, general editing and referee work. *Client: OECD*
- 2008-10 ***Forests as a Public Good: Valuing Social and Environmental Benefits of Forests in Poland to improve Effectiveness of Management (POLFOREX).** Project manager. With Warsaw University, Norwegian University of Life Sciences and Warsaw Forest Research Institute. 3-year research project.
Client: European Economic Area Financial Mechanism.
- 2008-09 ***Valuing lives saved from environmental, transport and health policies: A meta-analysis of stated preference studies.** Project manager. With Norwegian University of Life Sciences (Ståle Navrud). *Client: OECD.*
- 2008-10 ***European database of environmental valuation studies.**
Member of expert group assembling a Europe-wide database of non-timber forest benefit (and other) valuation studies. *Client: EU Cost E45.*

- 2006-09 **Capacity building for reducing mercury pollution in China.**
 Estimating costs and benefits of mercury abatement in the poor province of Guizhou, conducting courses in cost-benefit analysis etc.
Client: NORAD/Chinese SEPA.
- 2008-09 **Cost-benefit analysis of water pollution abatement in the oil sector.**
Project manager, *Client: Norwegian Oil Directorate.*
- 2008-09 ***Research seminar on the benefits of efficient multi-functional forest policy.**
Project manager. Organised February 2009 with Warsaw University. Proceedings published. *Client: Polish-Norwegian Research Fund.*
- 2008-09 ***Review of benefit transfer studies in the forest context.**
 Research paper with A. Bartczak and A. Stenger. *Client: INRA, France*
- 2006-08 ***Non-timber forest goods and local economic development: An untapped potential?** Ag. project manager. Research project estimating supply and demand for non-timber forest goods in Norway using contingent valuation surveys. Mechanisms to pay forest owners for environmental services.
Client: Norwegian Research Council.
- 2007-08 ***Willingness to Pay for biodiversity in Asia: benefit transfer and meta-analysis.** Project manager. Research project with Dr. Tuan Tran, Hue College of Economics, Vietnam. *Client: Environment & Economy Prog. for Southeast Asia.*
- 2003-08 ***Chinese Environmental Cost Model.** Model estimating province level and national environmental and health costs of air and water pollution in China. Part of an international expert group consisting of Econ Pöyry, CICERO and Resources for the Future. *Client: World Bank, Chinese SEPA.*
- 2005 **International experiences with environmental accounting.**
Project manager. Input into the Chinese efforts to record environmental and natural resource impacts in monetary terms in their green national accounts for SEPA.
Client: The World Bank.
- 2002-05 **Guidelines for economic evaluation in EIA in China.** Developed guidelines for economic evaluation of environmental impacts of construction and other projects related to air, water and land to be used in project level EIA. ECON Report 42/05.
Client: NORAD.
- 2002 ***A comparison of life cycle analysis and CBA.**
 Research paper with Østfoldforskning. ECON Report 8/02.
Client: Norwegian Research Council.
- 2001 **Natural disaster prevention in Norway.** Cost benefit considerations of measures to reduce risk. ECON report 95/01 (In Norwegian).
Client: The Government Fund for Natural Damages.
- 2001 **Risk and Discount Rates in Public Transport Projects.** Analysis of risk-adjusted discount rates for use in CBA. ECON Report 93/01.
Client: Ministry of Transport and Communications.
- 2001 ***Environmental costs, systematic risk and energy investment priorities.**
 ECON Working Paper (co-authored with E. Bowitz).
Client: Norwegian Research Council.
- 2001 **Risk & discount rate for environmental investments.**
 Assessment of whether public investments in a better environment should be discounted in social cost-benefit analysis at a lower rate as other public investments. ECON report 8/01 (In Norwegian). *Client: Ministry of Environment.*

- 2000-01 ***CBA of treatment options for milk carton waste.**
A research paper comparing the social costs of recycling, incineration or landfilling milk carton waste in Norway. *Client: Norwegian Research Council.*
- 2000 **Municipality Costs of recycled paper treatment.**
A report on the costs of collecting and treating recycled paper in a selected number of Norwegian Municipalities. ECON Report (In Norwegian). *Client: Rekom.*
- 2000 **Environmental costs of waste treatment.**
Environmental costs of emitting or discharging harmful substances from waste treatment to the environment. ECON Report 85/00 (In Norwegian).
Client: Ministry of Environment.
- 1999 **Costs and benefits of air pollution mitigation in the city of Guangzhou, China.**
A chapter of ECON report 9/00. *Client: NORAD.*
- 1998 ***Willingness to pay for improved water quality.**
Six months research project for MSc Degree on the willingness to pay for an improved water quality in Lake Steinsfjorden among the populations of Ringerike and Hole municipalities and other recreational users.

2. Environmental and natural resource policy instruments (*academic research project)

- 2016-18 **Implementing incentives for climate resilient housing among the urban poor in Vietnam. Project manager.** In cooperation with ISET, Hue University and Danang Women's Union. *Client: Nordic Development Fund.*
- 2015-16 **Mainstreaming biodiversity & ecosystem services: Norwegian and European experiences. Project manager.** Part of a larger Chinese-Norwegian cooperation project. *Client: Norwegian Environment Agency.*
- 2015-17 ***Biochar as an adaptation strategy for climate change in Indonesia.**
Research project with Norwegian Geotechnical Institute (NGI), UNDP and other partners. Project manager. *Client: Norwegian Research Council, Klimaforsk prog.*
- 2015 **Exploring the basis for a nature / land use tax. Project manager.** *Client: Green tax commission, Norwegian Ministry of Finance.*
- 2012-14 ***EcoManage – Habitat banking and biodiversity offsets in the hydropower sector in Norway. With NINA & SINTEF. Client: Norwegian Research Council.**
- 2013 **Support to the The Economics of Ecosystem Services and Biodiversity (TEEB) secretariat in Norway. Project manager.** Assessment of ecological fiscal transfers and division of responsibility between government levels.
Client: Ministry of Environment.
- 2011 **Can markets protect biodiversity? A review of different financial mechanisms.** Contribution through a review of conservation auctions and harmful subsidies. With Noragric. *Client: NORAD.*
- 2011 **Survey of attitudes to Norwegian policy on carnivores.**
Large internet panel survey of attitudes. Peer reviewer.
Client: The Norwegian Directorate for Nature Management.
- 2010 **Potential effects of carnivore proof fencing for recreation and wild deer.**
Brief analysis of potential impacts of fencing farm animals to reduce loss to predators such as wolf and lynx. *Client: Norwegian Directorate for Nature Management.*

- 2010-13 ***POLICYMIX: Assessing the role of economic instruments in policy mixes for biodiversity conservation and ecosystem services provision.** Norwegian case study/WP leader. Large research project involving Latin American and European partners. NINA is coordinating institution. *Client: EU.*
- 2009-10 **Scaling up voices for influencing post 2012 climate change regime:** Shaping pro-poor REDD options. Project manager. Analysis of benefit sharing mechanisms in forest conservation and management internationally and in three developing countries. *Client: International Union for the Conservation of Nature (IUCN).*
- 2008-09 **Payment for and management of ecosystem services.**
Project manager. Overview of the status of methods and instruments for valuing and paying for ecosystem services. With IUCN.
Client: Nordic Council of Ministers.
- 2008-09 **Use of economic instruments in Nordic environmental policy 2006-2009.**
Project manager. Overview of economic instruments and analysis of areas of overlapping regulation. *Client: Nordic Council of Ministers.*
- 2008-09 ***Managing biological diversity in Nordic forests.**
Project on efficient instruments for biodiversity conservation in private forests. With Norw. Univ. of Life Sciences & Southern Swedish Forest Research Centre.
Client: Expert group on environmental studies, Swedish Ministry of Finance.
- 2006-09 ***Ecosystem functions in forests.**
Research project combining natural and social sciences as a basis for better management of biodiversity. Work incl. survey of forest owners' attitudes and willingness to accept compensation for providing forests for biodiversity conservation. With Norw. Uni. of Life Sciences.
Client: Norwegian Research Council and Småforsk.
- 2008-09 **Climate mitigation strategy support to South Africa.**
Project manager. Assessment of areas where Norway can contribute to long-term institutional capacity building. *Client: Ministry of Environment.*
- 2003-07 **Climate policy in China.**
Research network exploring the options for Chinese climate policies in the 2nd commitment period. Various workshops, drafting of research and policy papers.
Client: Ministry of Foreign Affairs.
- 2004 **Managing protected areas in China for biodiversity and poverty alleviation.**
Expert advice to the PA Task Force of the China Council. Exploring linkages between protected areas and poverty alleviation, designing innovative incentive mechanisms for conservation, and development of sustainable tourism. With IUCN and others. *Client: China Council.*
- 2004 **Evaluation of green taxes.**
Review of methodologies and studies evaluating efficiency and effectiveness of green taxation. ECON Report 2004-123 (In Norwegian).
Client: Ministry of Environment.
- 2003-05 **Climate change capacity building program, South Africa.**
Ag. project manager. Cooperation and capacity building program in the area of climate change. Processes to compile emission inventory, deal with vulnerability and adaptation etc.
Client: Department of Environmental Affairs and Tourism/NORAD.

- 2004 **Climate Policies and industry competition.**
Project manager. Analysis of the impacts of climate policies on industry competitiveness. With CICERO (In Norwegian). *Client: Ministry of Environment.*
- 2003 **Marine protected area management & financing options in Tanzania.**
Project manager. Analysis of social, environmental and economic dimensions of MPAs. Focus on sustainable financing of MPA management from environmentally sensible tourism development and linkages to poverty alleviation in Zanzibar.
Client: The World Bank.
- 2001 **Evaluation of green energy taxation.**
 Assessment of whether the current taxes on heating oil and electricity contribute to reducing emissions at the lowest cost, and whether alternative instrument designs can be more cost effective. ECON report 69/01 (in Norwegian).
Client: Norwegian Petroleum Institute.
- 2001 **Sustainable development in the electric utility industry.**
 Development of sustainable development principles, strategies and activities applicable for private companies, illustrated with case studies from international electric utilities. ECON report 61/01.
Client: World Business Council for Sustainable Development.
- 2000 **Baseline for a prompt start of the CDM. Phases I & II.**
 An assessment of the UNFCCC signatories' submissions on baseline estimation under the CDM, discussed at COP 6. *Client: Norwegian. Ministry of Environment.*
- 2000 **Status and options for baseline calculations under the CDM.**
 ECON Report 17/00. *Client: Norwegian Ministry of Environment.*
- 2000 **Issues and options in technology transfer under the UNFCCC.**
 ECON report 53/00. *Client: Norwegian Ministry of Foreign Affairs.*

3. Environmental and social assessments, safeguard analysis

- 2007 **Strategic environmental assessment of the Great Western Development Strategy.** China. Revision and editing of final report. *Client: The World Bank*
- 2004 **Environmental impacts of tourism development in Honduras.** Project assisting the government of Honduras and the World Bank in developing a socially and environmentally sustainable tourism strategy for the country's North Coast and Copán Valley. *Client: The World Bank.*
- 2002-03 **Environmental and social assessment scoping report for the proposed minihydro station and distribution networks in South West Uganda.** Leader of an international 7 people team carrying out EIAs according to World Bank safeguards of a proposed mini-hydro station and distribution networks near the UN Natural Heritage Site, Mountain Gorilla sanctuary and biodiversity hotspot *Bwindi Impenetrable Forest*. ECON Report 105/03. *Client: NORAD.*
- 2001-03 **West Nile Rural Electrification Concession, Uganda.**
 8 months as Kampala-resident project coordinator, transaction advisor and EIA specialist in the privatisation of an isolated grid system.
Client: Electricity Regulatory Authority, Uganda & NORAD.
- 2002 **Environmental impact assessment of the Nyagak mini-hydro station in Arua** according to World Bank safeguards, North Western Uganda. Project manager.
Client: NORAD.

- 2002 **Environmental impact assessment of the Olewa mini-hydro station according to World Bank safeguards, North Western Uganda.** Project manager. *Client: NORAD.*
- 2002 **Environmental impact assessment of the Bondo-Nebbi electricity transmission line according to World Bank safeguards, North Western Uganda.** Project manager. ECON report. *Client: NORAD.*
- 2001-02 **Strategic environmental assessment of transport service trade liberalisation under GATS (In Norwegian).** ECON report 92/02 (In Norwegian). *Client: Ministry of Trade and Commerce.*
- 2001 **Strategic environmental assessment in World Bank operations: Experience to date – Future potential.** Issues paper published in the World Bank Environmental Strategy Paper series. *Client: The World Bank.*
- 2001 **Environmental Quality Assurance for the World Bank.** Assessment of whether a structural adjustment loan to Ecuador and an emergency flood protection loan to Mozambique adhered to World Bank environmental policy. *Client: The World Bank.*

4. Miscellaneous environment & development

- 2002-03 **Evaluation of Norwegian development aid administration.** Project coordinator. Evaluation and review of the Norwegian development assistance organisation model and channels of assistance. Field visit to Zambia. Proposals for organisational and strategic change. *Client: Ministry of Foreign Affairs.*
- 2004 **Evaluation of proposals for environmental projects in China.** Four proposals to the Italian Ministry for the Environment's Trust Fund. *Client: The World Bank.*
- 2004 **Circular economy: An Interpretation.** A research note discussing how the concept of Circular economy relates to familiar environmental problems and how it may be tailored into constructive objects of analysis. *Client: The World Bank.*
- 2000 **Historical trends in energy use and efficiency in the Nordic countries.** Input to debate about Factor 4 and 10. *Client: Nordic Council of Ministers.*
- 2000 **The Performance of Resource Rich Countries.** A study of the performance of developing countries with abundant natural resources. Data analyses of the performance, as measured by the human development index and other indicators of oil rich developing countries. *Client: Norwegian Research Council.*
- 1999 **Transport growth and economic growth.** A report on the experiences from delinking economic growth and transport growth in the Netherlands and lessons for Norway ECON Note 78/99 (In Norwegian). *Client: Ministry of Environment.*
- 1999 **Development & conservation in Indonesia.** Two months field research project for MPhil degree on the potential for eco-tourism improving livelihoods for coastal populations and conserving coral reef habitats in the Marine National Park of Wakatobi in South Sulawesi, Indonesia. With UK-based NGO Operation Wallacea (www.opwall.com). Funded by UK & Norw. research trusts.

- 1996 **Coral reef conservation in Mtwara, Tanzania.**
 Three months marine expedition to the Mtwara Region of Tanzania conducting pioneering baseline surveys of the coral reefs, mangrove habitats, and socio-economic status for the Tanzanian government to establish a marine national park (established in 2000 as Mnazi Bay – Ruvuma Estuary Marine Park). With the UK-based NGO *Frontier* (www.frontier.ac.uk).

SELECTED PEER REVIEW PAPERS, CHAPTERS, EDITORIALS, COMMENTARY²

- 2016 Lindhjem, H., H. Vennemo and S. Navrud (under development): “Challenges to ecosystem service valuation for wealth accounting”. Chapter for the coming UN Inclusive Wealth Report, <http://inclusivewealthindex.org/>
- 2016 Lindhjem, H., K. Magnussen and S. Navrud (under development): “Valuing marine ecosystem service loss from oil spills: From storm to calmer waters (?)”. Target journal: *Journal of Environmental Management or Marine Policy*
- 2016 Navrud, S., H. Lindhjem and K. Magnussen “Valuing Marine Ecosystem Services Loss from Oil Spills for Use in Cost-Benefit Analysis of Preventive Measures”, Forthcoming in Nunes, P. et al. (eds) *Handbook on the Economics and Management for Sustainable Oceans*.
- 2015 Bredin, Y., H. Lindhjem, J. van Dijk, J.D. Linnell “[Mapping value plurality towards ecosystem services in the case of Norwegian wildlife management: A Q analysis](#)” *Ecological Economics* **118**:198-206, October 2015.
- 2015 Magnussen, K. I. Seifert-Dähn, R. Reinvang and H. Lindhjem “[How to assess costs and benefits of achieving good ecological status or potential in urban water courses?](#)” (In Norwegian). *Water* **1**:65-75, the journal of the Norwegian Water Association.
- 2015 Lindhjem, H. and S. Navrud “[Reliability of meta-analytic benefit transfers of international value of statistical life estimates: Tests and illustrations](#)”. In Rolfe, J. et al. (eds) *Benefit Transfer of Environmental and Resource Values: A Guide for Researchers and Practitioners. The Economics of Non-Market Goods and Resources 14*. Springer, pp 441-464.
- 2015 Mitani, Y. and H. Lindhjem “[Forest owners' participation in voluntary biodiversity conservation in Norway: What does it take to forego forestry for eternity?](#)” *Land Economics* **91**(2): 235-251, May 2015.
- 2015 Lindhjem, H. and T. H. Tuan “[Benefit transfer of nature conservation values in Asia and Oceania based on meta-analysis: Data heterogeneity and reliability issues](#)”. In Managi, S. (ed) *The Routledge Handbook of Environmental Economics in Asia*, Routledge, New York, USA, 2015, pp 349-368.
- 2015 Bruvoll, A., S. Pedersen and H. Lindhjem “[Costly amusement on snowmobile](#)” (In Norwegian), *Samfunnsøkonomen* **1**:9-21, March 2015, Journal of the Norwegian Economics Association.
- 2015 Lindhjem, H., K. Grimsrud, S. Navrud and S. O. Kolle “[The Social Benefits and Costs of Preserving Forest Biodiversity and Ecosystem Services](#)”. *Journal of Environmental Economics and Policy* **4**(2): 202-222.

² See www.lindhjem.info/phd.htm for full text of published papers and overview of ongoing work. Google Scholar profile: <http://scholar.google.com/citations?user=iundYAoAAAAJ>

- 2014 [Lindhjem, H., K. Magnussen, and S. Navrud “Valuation of welfare loss from oil spills from ships: From storm to calmer waters \(?\)”](#)(In Norwegian). *Samfunnsøkonomen* **6**: 25-38.
- 2014 [Sparrevik, M., H. Lindhjem, V. Andria, A. M. Fet, G. Cornelissen. “Environmental and socio-economic impacts of utilizing waste for biochar in rural areas in Indonesia – a systems perspective”](#). *Environmental Science & Technology* **48**(9): 4664-4671.
- 2014 [Magnussen, K., H. Lindhjem and S. Navrud “Valuation of damages on marine ecosystem services from oil spills”](#) (In Norwegian). *Water* **49**(1):36-46. [Special mention for good authorship and presentation](#).
- 2013 [Lindhjem, H.](#) Editorial [“Do not undervalue natural capital!”](#) (In Norwegian), *Samfunnsøkonomen*, 4(127):3, May 2013.
- 2013 [Barton, D. and H. Lindhjem “Nature's flood protection - what is the value of ecosystem services from a watershed?”](#) (In Norwegian). Special issue on Natural capital and ecosystem services, *Samfunnsøkonomen* **4**(127): 44-54.
- 2013 [Vennemo, H, N. Heldal, H. Lindhjem and S. Strøm “Comment to the public committee report NOU 2012: 16 on economic analysis”](#), *Samfunnsøkonomen* **1**: 59-66, February 2013.
- 2012 [Lindhjem, H. and Y. Mitani “Forest owners’ willingness to accept compensation for voluntary conservation: A contingent valuation approach”](#). *Journal of Forest Economics* **18**(4): 290-302.
- 2012 [Lindhjem, H. and S. Pedersen “Should publicly funded postal services be reduced? A cost-benefit analysis of the universal service obligation in Norway”](#). *Review of Network Economics*: Vol. **11**: Iss. 2, Article 3, June 2012.
- 2012 [Lindhjem, H. and T. H. Tuan “Valuation of species and nature conservation in Asia and Oceania: A meta-analysis”](#). *Environmental Economics and Policy Studies* **14**(1): 1-22.
- 2009-12 [Romstad, E., M. Boman and H. Lindhjem “Low cost approaches for managing biological diversity in Nordic forests: The applicability of procurement auctions”](#) Report to the expert group on environmental studies, Swedish Ministry of Finance.
- 2012 [Lindhjem, H., S. Navrud, N-A. Braathen and V. Biaisque “Mortality Risk Valuation in Environment, Health and Transport Policies”](#), OECD Book.
- 2012 [Lindhjem, H.](#) Editorial, [“Norwegian agricultural policy - hope for change?”](#) (In Norwegian), *Samfunnsøkonomen*, **7**(126):3, October 2012.
- 2012 [Lindhjem, H.](#) Editorial, [“Prohibition or market?”](#) (In Norwegian), *Samfunnsøkonomen*, **4**(126):3, May 2012.
- 2012 [Lindhjem, H.](#) Editorial, [“Wrong priorities in climate and environmental policy”](#) (In Norwegian), *Samfunnsøkonomen*, **126**(1), February 2012.
- 2011 [Lindhjem, H. and S. Navrud “Using Internet in Stated Preference Surveys: A review and comparison of survey modes”](#). *International Review of Environmental and Resource Economics* **5**(4): 309-351.
- 2011 [Lindhjem, H., S. Navrud, N-A Braathen and V. Biaisque “Valuing mortality risk reductions from environmental, transport and health policies: A global meta-analysis of stated preference studies”](#). *Risk Analysis* **31**(9): 1381-1407.
- 2011 [Lindhjem, H. and S. Navrud “Are Internet surveys an alternative to face-to-face interviews in contingent valuation?”](#) *Ecological Economics* **70**(9): 1628-1637.

- 2011 [Lindhjem, H.](#) Editorial, [“Economics in times of terror”](#) (In Norwegian), *Samfunnsøkonomen*, 7(125):3, October 2011.
- 2009 Vennemo, H., K. Aunan, [H. Lindhjem](#) and H. M Seip [“Environmental pollution in China: Status and trends”](#). *Review of Environmental Economics and Policy* 3(2): 209-230.
- 2009 [Lindhjem, H.](#) and S. Navrud [“Asking for Individual or Household Willingness to Pay for Environmental Goods? Implication for aggregate welfare measures”](#), *Environmental and Resource Economics* 43(1):11-29.
[Reprinted in Willis, K. G. and G. Garrod (eds) (2012) [Valuing Environment and Natural Resources: Volume I](#), Edward Elgar, 440 pp].
- 2009 Bartczak, A., [H. Lindhjem](#) and A. Stenger [“Review of benefit transfer studies in the forest context”](#). *Scandinavian Forest Economics* 42; Bergseng, E., G. Delbeck and H. F. Hoen (eds) (2009) *Proceedings of the Biennial Meeting of the Scandinavian Society of Forest Economics*, Lom, Norway, 6th – 9th April, 2008: 276-305.
- 2008 Bartczak, A., [H. Lindhjem](#), S. Navrud, M. Zandersen and T. Zylicz [“Valuing forest recreation on the national level in a transition economy: The case of Poland”](#). *Forest Policy and Economics* 10(7-8): 467-472.
- 2008 [Lindhjem, H.](#) and S. Navrud [“How Reliable are Meta-Analyses for International Benefit Transfers?”](#) *Ecological Economics* 66(2-3): 425-435.
- 2007 [Lindhjem, H.](#) [“20 Years of Stated Preference Valuation of Non-Timber Benefits from Fennoscandian Forests: A Meta-Analysis”](#). *Journal of Forest Economics* 12: 251-277. Most cited paper in JFE last 8 years.
- 2007 [Lindhjem, H.](#), T. Hu, Z. Ma, J. M. Skjelvik, G. Song, H. Vennemo, J. Wu and S. Zhang, [“Environmental Economic Impact Assessment in China: Problems and Prospects”](#). *Environmental Impact Assessment Review* 27(1): 1-27.
- 2004 Hansen, S., [H. Lindhjem](#) and H. Vennemo “On payments to poor stakeholders for sustainable use of protected areas”. In Xie, Yan (ed.) *China’s Protected Areas*, Tsinghua University Press (in Chinese and English).
- 2003 Ibenholt, K. and [H. Lindhjem](#) [“Cost and benefits of recycling liquid board containers”](#), *Journal of Consumer Policy* 26(3): 301-325.

SELECTED POPULAR WRITINGS IN ECONOMICS

- 2015 Bruvoll, A., S. Pedersen and [H. Lindhjem](#) [“Independent low estimate of accident costs”](#) (In Norwegian), *Dagens Næringsliv*, 4. March, 2015.
- 2015 Bruvoll, A., S. Pedersen and [H. Lindhjem](#) [“Costly amusement on snowmobile”](#) (In Norwegian), *Dagens Næringsliv*, 26. February, 2015, p3.
- 2012 Bruvoll, A. and [H. Lindhjem](#) “Subsidised damage to the environment” (In Norwegian), *Fjell og Vidde*, The journal of the Norwegian Trekking Association (DNT). November 2012.
- 2012 [Lindhjem, H.](#), S. Pedersen and I. Rasmussen “Avoid costly fiber investments” (In Norwegian). Feature article. *Dagens Næringsliv*, 22. May, 2012.
- 2012 [Lindhjem, H.](#), S. Pedersen and I. Rasmussen (2012) “Low benefits of high speed broadband” (In Norwegian). Response. *Dagens Næringsliv*, 7. May, 2012.
- 2010 [Lindhjem, H.](#) [“Sharing monetary benefits from forests – conflict or cooperation?”](#) *Aborvitae* (the Newsletter of International Union for the Conservation of Nature), Issue 41: 7, June, 2010.

- 2007 Vennemo, H. K. Aunan, [H. Lindhjem](#) and H. M Seip (2007) “Thousands die from pollution in China” (“Tusener dør av forurensing i Kina”). Feature article. *Dagbladet* 1. March 2007.

SELECTION OF OTHER WORK PUBLISHED EXTERNALLY

- 2015 Lindhjem, H., R. Reinvang and M. Zandersen: [“Landscape experiences as a cultural ecosystem service in a Nordic context: Concepts, values and decision-making”](#). Nordic Council of Ministers. TemaNord 2015: 549.
- 2012 Barton, D, [H. Lindhjem](#), K. Magnussen and S. Hølen [“Valuation of Ecosystem Services From Nordic Watersheds - from awareness raising to policy support?”](#). Nordic Council of Ministers. TemaNord 2012:506.
- 2011 Vatn, A., D. N. Barton, [H. Lindhjem](#), S. Movik, I. Ring and R. Santos: [“Can Markets Protect Biodiversity? An Evaluation of Different Financial Mechanisms”](#), Noragric Report No. 60, June 2011. Also published in NORAD’s report series.
- 2010 Alberini, A., I. Bateman, G. Loomes and M. Scasny [“Valuation of Environment-Related Health Risks for Children”](#). *Responsible for drafting parts of the report*.
- 2009/10 [Lindhjem, H.](#), K. G. Bråten, A. Gleinsvik and I. Aronsen [“Experiences with benefit sharing: Issues and options for REDD-plus”](#). Draft report for the International Union for Conservation of Nature for discussion at COP 15, Copenhagen December, 2009.
- 2009 [Lindhjem, H.](#), J. M. Skjelvik, A. Eriksson, T. Fitch and L-L. P Hansen [“The Use of Economic Instruments in Nordic Environmental Policy 2006–2009”](#). Nordic Council of Ministers. TemaNord 2009:578.
- 2009 Zandersen, M., K. G. Bråten and [H. Lindhjem](#) [“Payment for and Management of Ecosystem Services: Issues and Options in the Nordic Context.”](#) Nordic Council of Ministers. TemaNord 2009:571.
- 2007/8 The World Bank: [“Cost of pollution in China. Economic estimates of physical damages”](#). The World Bank and the Government of PR China. *Part of research team*.
- 2006 The World Bank: [“International experiences with environmental and economic accounting”](#). The World Bank and the Government of PR China. *Co-author*.
- 2005 The World Bank: [“BLUEPRINT 2050: Sustaining the Marine Environment in Mainland Tanzania and Zanzibar”](#), *Lead author of one background study*.
- 2003 [Lindhjem, H.](#), A. Hurd and J. Ruitenbeek “Sustainable financing of marine protected areas in Zanzibar”. World Bank report.
- 2003 Hurd, A., [H. Lindhjem](#) and J. Ruitenbeek “Sustainable financing of marine protected areas in Tanzania”. World Bank report.
- 2002 The World Bank: [“Strategic environmental assessment in World Bank operations: Experience to date – future potential”](#) [Environmental Strategy Papers](#). Strategy Series Number 4, The World Bank Environment Department. *Co-authored with Olav Kjørven*.
- 2002 World Business Council for Sustainable Development: [“Sustainable Development in the Electric Utility Industry”](#), *Co-authored with Mark Davis*.

SELECTED CONFERENCE PRESENTATIONS

- 2015 “Landscape experiences as a cultural ecosystem service: an economic perspective”, Invited presentation at the national seminar on landscapes, Bodø, 4-5. Nov. 2015.
- 2013 “Ecosystem service valuation in Norway: The forest example”, Seminar on the Natural benefits: On the values of ecosystem services, Beijing, 19. Dec. 2013
- 2012 “Forest owners’ willingness to accept compensation for voluntary conservation: A contingent valuation approach”. European Association of Environmental and Resource Economists, Prague, 1. July 2012.
- 2012 “Forest owners’ willingness to accept compensation for voluntary conservation in Norway”, Special Session, International Society for Ecological Economics, 17. June 2012, Rio, Brazil.
- 2011 “Valuing mortality risk reductions: A global meta-analysis of value of statistical life from stated preference studies”, European Association of Environmental and Resource Economists, Rome, 1. July 2011.
- 2011 “Climate policy as environmental trump?” Presentation at the NINA-seminar “How environmentally friendly is green energy?” 9. February 2011, Trondheim. Press coverage, e.g. http://www.nrk.no/nyheter/distrikt/nrk_trondelag/1.7505639
- 2011 “Thoughts on options and challenges for a Norwegian TEEB study”, Presentation at the NINA-seminar “Ecosystem services – from concept to practice?”, 10. January 2011, Trondheim.
- 2010 “Methods and sources of value of statistical life values”, EC/OECD Workshop on use of VSL estimates in policy assessments, 19. Oct. 2010, Brussels.
- 2010 “Potential effects of carnivore proof fencing for recreation”, Presented at the conference “Experiences with carnivore proof fencing in Norway”, organised by the Norwegian Directorate for Nature Management, 23. November, Gardermoen, Norway.
- 2010 “Benefits of biodiversity protection: Comparing in-person and internet CV survey modes”. Presented at the World Congress of Environmental and Resource Economists, Montreal, Canada, 2. July, 2010.
- 2009 “Valuing lives saved through environmental, transport and health policies: A Meta-analysis of stated preference studies”. Presented at the conference “Managing the Social Impacts of Change from a Risk Perspective”, 15.-17. April 2009 in Beijing, China.
- 2009 “Mechanisms for compensating forest owners for biodiversity protection in Norway”. Presented at: “Countries and forests in transition: Research seminar on the benefits of multi-functional forest policy”, in Warsaw 20-21. February 2009. Published in conference proceedings.
- 2008 “Socio-economic impacts of mercury pollution in the Wanshan area: Early results & next steps”, SINOMER Workshop, Guiyang, China, 13. November 2008.
- 2007/08 “Household vs. Individual Valuation of Public Goods”. Presented at the Environmental and Resource Economics Researcher Workshop, 12-13 November 2007, Charles Sturt University, Australia. Also presented at European Association of Environmental and Resource Economists, Göteborg 25-28 June 2008.
- 2007 “Meta-analysis and non-timber forest benefits in Fennoscandia”. Presentation at the Aarhus Colloquium for Meta-Analysis in Economics, Sønderborg, Denmark, 27-30 September 2007.

- 2007 “How reliable are meta-analyses for international benefit transfer?” Presented at European Association of Environmental and Resource Economists, Thessaloniki, 30. June 2007 & US Society for Ecological Economics, New York, 26. June 2007.
- 2006 “Forest valuation experience for the Scandinavian region”. Invited presentation to the 1st Workshop of forest valuation experiences in Europe, Cost Action E45: European Forest Externalities, Catania, Italy, 18-19 November 2006.
- 2006 “20 Years of Stated Preference Valuation of Non-timber benefits from Nordic Forests: A Meta-analysis”. Presented at the 13th Ulvön Conference on Environmental Economics in Sweden 19.-21. June 2006.
- 2006 “Environmental Economic Impact Assessment in China: Problems and Prospects”. PhD paper presented at the annual conference of the International Association of Impact Assessment (IAIA) in Stavanger, Norway, 23.-26. May 2006

REFEREE AND REVIEWER ACTIVITIES

Journals: Environmental and Resource Economics, Resource and Energy Economics, Journal of Health Economics, Ecological Economics, Journal of Forest Economics, Journal of Benefit-Cost Analysis, Journal of Environmental Economics and Policy, Energy Economics, Global Environmental Change, Journal of Environmental Planning and Management, Environmental Impact Assessment Review, Environmental Science and Policy, Environmental Management, Forestry, Forests, Land Use Policy, Public Opinion Quarterly, Tourism Management, Journal of Environmental Management, Ecological Bulletins (Oikos), International Journal of Environmental Research and Public Health, European Review of Agricultural Economics, Science of the Total Environment, Ecosystem services: Science, Policy & practice, Environmental Economics and Policy Studies, Current opinion in Environmental Sustainability, Food Policy, Waste Management.

Other review activities: “The Economics of ecosystems and biodiversity – TEEB” conference in Leipzig 2012; International Initiative for Impact Evaluation (3ie); European Commission, Directorate General for Research and Innovation (2011, 12); Revenue Watch Institute; Member of scientific panel for European Association of Environment and Resource Economists, Prague (2012), Toulouse (2013), Zurich (2016); World Congress of Environment and Resource Economists Istanbul (2014), Review of chapters of two books on REDD, edited by Prof. Arild Angelsen.

PhD committees: Heini Ahtiainen, “Benefits of reduced eutrophication”, Univ. of Helsinki, 2015.

EDITORIAL RESPONSIBILITIES

- 2011- 2013 Editor of Samfunnsøkonomen, the journal of the Norw. Association of Economists. Responsible for three special issues on (i) Climate mitigation policy, (ii) Natural capital and ecosystem services, and (iii) Tribute to Agnar Sandmo.

PROFESSIONAL MEMBERSHIPS

European Association of Environmental and Resource Economists (EAERE), Norwegian Association of Economists, The International Society for Ecological Economics (ISEE), Meta-Analysis of Economic Research (MAER) Network.

PERSONAL SCHOLARSHIPS/HONOURS

- 2014 Fellow of the Japan Society for the Promotion of Science, 4 weeks research stay and cooperation with Dr. Yohei Mitani, Kyoto University, Division of Natural Resource Economics.
- 2010 Scholarship from the COST Action 45, EUROpean FORest Externalities (EUROFOREX) for 10 days stay and research cooperation with Prof. Raul Brey at the Pablo de Olavide University, Seville, Spain.

- 2008 Scholarship from “Wilhelm Keilhau’s Forskingsfond” for paper publications and conference participation.
- 2006 Scholarship from “Eckbo’s Legater” for research and travel.
- 2006 Scholarship from the “Letterstedske Forening” for cultural and research exchange between the Nordic countries.
- 2005 Scholarship from the Norwegian trust “Wilhelm Keilhaus Forskningsfond” for stay at University of California, Berkeley.
- 2005 Scholarship from the Norwegian trust “Norges Banks Forskningsfond” for stay at Berkeley.
- 2005 Scholarship from the Norwegian trust “Dosent Theodor Landmark og hustrus familie- og landbrukslegat” for stay at Berkeley.
- 2005-08 PhD Scholarship (3 years), Dep. of Economics and Resource Management, Norwegian University of Life Sciences
- 1999 British Chevening Scholarship for the University of Cambridge (1 year)
- 1999 Ph.D. Scholarship from Cambridge Overseas Trust (declined due to job offer)
- 1999 M.Phil. Scholarship from Cambridge Overseas Trust. (3 years)
- 1999 Research scholarships from Fitzwilliam College Research Fund and Barbara Humphrey Fund at the University of Cambridge’s for fieldwork in Indonesia.
- 1999 Research scholarships from the Norwegian Trusts “Manthey’s and Eckbo’s Legater” for fieldwork in Indonesia.

Henrik Lindhjem, Oslo, Norway, December 2015.