

## Annual Report 2023 Department of Business and Management Science

Management	Head Jarle Møen, Deputy Head Iver Bragelien, Adm. Manager Kristin Reichel Teigland
Affiliated	102 persons – 23 Professors, 8 Associate Professors, 13 Post Doctorate Fellows/Assistant Professors, 22 PhD Research Scholars, 5 PhD Students with other funding, 6 Adjunct Professors, 10 Adjunct Associate Professors, 2 Adjunct Lecturers, 5 Professor Emeriti, 1 Scientific Assistant, 1 Administration Manager, 2 Senior Executive Officers, 2 Higher Executive Officers and 2 Office Apprentices
Man-years	75,5 man-years – Faculty 47,7; PhD Research Scholars 22,0; Administrative Staff 5,8
Gender balance	17 % women in tenured faculty positions, 31 % in non-tenured faculty positions, 45 % in PhD Research Scholar positions and 17 % in adjunct faculty positions
Publication points	53,5 (60,9 in 2022, 66,8 in 2021, 60,7 in 2020)

### Hirings and promotions

- Håkon Otneim was appointed Academic Director for the new Bachelor Programme "Business, Economics and Data Science" (BEDS)
- Trond Døskeland received an Endowed Professorship - a chair as Argentum Professor in Asset Management and Private Equity (from July 1, 2023, until June 30, 2028)
- Malin Arve was promoted to Professor in Business Economics
- Evelina Gavrilova-Zoutman was promoted to Professor in Business Economics
- Steffen Juraneck was promoted to Professor in Business Economics
- Julie Brun Bjørkheim was hired as Assistant Professor in Business Economics
- Roweno Heijmans was hired as Assistant Professor in Energy and Environmental Economics
- Three new PhD Research Scholars were hired; Fan Jia, Shuyi Pan, Eshan Rahbar
- Sara Gannau was hired as Office Apprentice

### Awards

- Steffen Juraneck was awarded the NHH Mission Award for 2023
- Sigrid Lise Nonås was awarded the Norwegian Association of Researchers' Honorary Award
- Paul Pelzl was granted NHH's publication bonus for an article in *Review of Finance*
- Guttorm Schjelderup has published a scientific article on ABS level 4 in *Journal of International Economics*

### Research

- The Department profiles its research in five main thematic areas: (i) *Managerial Economics and Business Strategy*; (ii) *Business Taxation*; (iii) *Asset Management and Risk Analysis*; (iv) *Energy Markets, Resource Management and Sustainability* and (v) *Shipping, Logistics and Operations Management*.
- The Department's faculty members have published 50 articles in scientific journals and 2 chapters in scientific anthologies. This corresponds to 53,5 publication points, of which 47 % are classified on level 2 in University Norway's (UHR's) publication scheme, 37 % are on ABS level 3 or higher (9 % on level 4/4\* and 28 % on level 3).
- The Department's total project grants from competition arenas are NOK 9,7 million (11,2 in 2022, 6,3 in 2021, 4,7 in 2020). Of this, 7,1 million comes from the Research Council of Norway and 2,6 million from the EU. The total grant of NOK 7,1 million from the Research Council of Norway includes grants received directly from the Research Council of Norway and grants received from external project partners. In addition, the Department had an annual grant funding of a professorship in Asset Management and Private Equity of 1,5 million from Argentum (from July 1, 2023, until June 30, 2028)
- The Department's faculty members also carry out project work for SNF – Centre for Applied Research at NHH. The gross turnover in this business is 5,5 million (5,5 in 2022, 5,5 in 2021, 5,2 in 2020)
- 24 papers were published in the Department's Discussion Paper series (15 in 2022, 10 in 2021, 15 in 2020)
- 15 faculty seminars have been held
- 10 brownbag seminars have been held
- The Department's faculty members contribute heavily in four of NHH's research centres
  - *Centre for Business Economics* is co-headed by Øyvind Thomassen, together with Eirik G. Kristiansen at the Department of Economics
  - *Centre for Energy, Natural Resources and Environment – ENE* is headed by Gunnar S. Eskeland and Stein Ivar Steinshamn (deputy head)
  - *Centre for Shipping and Logistics* is headed by Stein W. Wallace and Haiying Jia (deputy head)
  - *Norwegian Center for Taxation* is headed by Guttorm Schjelderup and Jarle Møen (deputy head)
- NHH is a partner in *Climate Futures*, a Centre for Research-Based Innovation (SFI) at NORCE. Geir Drage Berentsen is coordinator for NHH's activities and sits on the steering committee of the SFI. Haiying Jia is leader of the innovation area «Smart Shipping», and she is also a member of the steering committee. The centre will do research on new solutions to predict and manage climate risk from 10 days to 10 years ahead. Håkon Otneim and Stein W. Wallace are also affiliated with the centre. Two Post Doctorate Fellows and two PhD Research Scholars are employed. The Department's efforts are linked to shipping, aquaculture, asset management, and insurance.

- NHH is a partner in *Norwegian Centre for Energy Transition Strategies* (NTRANS), research centre for environmentally friendly energy (FME) at NTNU. Mette Bjørndal is deputy head and research director. Gunnar S. Eskeland is a member of the management group responsible for dissemination.
- NHH is a partner in *HyValue*, research centre for environmentally friendly energy (FME) lead by NORCE. Gunnar S. Eskeland is the leader of the work package «Integrating Hydrogen in Value Chains». Leif K. Sandal is a member of the Executive Board and represents NHH in the General Assembly.

### Doctoral dissertations

- André Wattø Sjuve (January): Essays on Mutual Funds
- Rasmus Noss Bang (February): Four Essays in Natural Resource Economics: Dynamic Modeling of Renewable and Nonrenewable Marine Resources
- Gabriel Fuentes Lezcano (February): Maritime transport applications in an operational efficiency perspective
- Øivind André Strand Aase (June): Essays on the effects of introducing thresholds for mandatory audits in a fully regulated audit market for private limited liability firms
- Atle Haugen (October): Essays on industrial organisation: Digital platform competition, technology licensing, and vertical markets
- Kyriaki Tselika (December): Essays on Energy Markets and the Environment

### Scientific conferences

- The Department's faculty members regularly contribute to international scientific conferences and other professional meeting places. 138 conference contributions and academic presentations have been registered in the research database Cristin (122 in 2022, 88 in 2021, 49 in 2020). NHH's fund has awarded the department's employees 48 travel grants (33 in 2022, 5 in 2021, 7 in 2020).
- *The Bergen Economics of Energy and Environment Research Conference* (BEEER), organized by Gunnar S. Eskeland and Natalia Flórez Mejía, was held in Bergen in June.
- Gabriel Fuentes, Julio C. Góez, Mario Guajardo, Haiying Jia, Leif K. Sandal and Stein W. Wallace were members of the Scientific Committee for the *Joint Workshop Centres for Shipping and Logistics & Energy, Natural Resources and the Environment* held in Bergen in May.
- *Karl Borch Lecture 2023* was held in Bergen in September, with Trond M. Døskeland (leader), Petter Bjerksund, Leif K. Sandal, Guttorm Schjelderup, Knut K. Aase and Torill Anthun in the organizing committee. The 18th Karl Borch Lecture was given by Per Strömberg, Stockholm School of Economics. Other contributors were Eline Stokstad Fjell and former Minister of Education, Torbjørn Røe Isaksen, who moderated the panel debate.
- *PhD Winter School Workshop in Planning under Uncertainty in Energy Markets*, was held at Geilo in March, with Endre Bjørndal, Mette Bjørndal, Stein W. Wallace and Natalia Flórez Mejía in the organizing committee

### Editors in scientific journals

- Malin Arve is an Associate Editor of *Journal of Public Procurement* and on the Editorial Board of *Journal of Industry, Competition and Trade*
- Mario Guajardo is on the Editorial Board of *International Transactions in Operational Research*, *Journal of Quantitative Analysis in Sports* and *Journal of Shipping and Trade*
- Guttorm Schjelderup is on the Editorial Board of *International Tax and Public Finance*
- Stein W. Wallace is on the Editorial Board of *Computational Management Science*, *EURO Journal on Transportation and Logistics* and *International Journal of Inventory Research*
- Floris Zoutman is Editor-in-Chief of the *Nordic Tax Journal*

### Teaching

- The Department has the main responsibility for the Methods Courses in the Bachelor Programme (BØA) and is responsible for the course sequence in Business Economics, together with the Department of Accounting, Auditing and Law. During the year, the Department offered 17 course sequences in the Bachelor Programme, including 1 new course.
- Associate Professor Håkon Otneim was leader of the group that developed the content and program descriptions for the new Bachelor Programme "Business, Economics and Data Science" (BEDS). The Department has developed seven new courses for this program and has main responsibility for the course sequence in methodology and programming (TECH).
- The Department is a central provider of courses in the master profiles in Financial Economics (FIE), Business Analysis and Performance Management (BUS), Business Analytics (BAN), Economic Analysis (ECO) and Energy, Natural Resources and the Environment (ENE). During the year, the Department offered 68 course sequences in the Master Programme, including 9 new courses.
- The Department is responsible for the specialization Business and Management Science in the PhD Programme. During the year, the Department offered 7 courses.
- The Department provides teaching in many executive education programmes offered by NHH Executive. The following employees participate: Malin Arve (MASTRA, Seafood Management), Iver Bragelien (National Rector Education, MTM, MASTRA, NRK internal company programme, Programme Director MØST), Øystein Gjerde (MØST), Joachim Høegh-Krohn (MØST), Steffen Juraneck (Programme Director Seafood Management and

Young Professional Program Mainz), Ola Kvaløy (MASTRA), Håkon Otneim (MØST) and Frode Sættem (MØST).

### Dissemination

- 22 feature articles and opinion pieces were published in national newspapers (28 in 2022, 39 in 2021, 43 in 2020)
- Petter Bjerksund, Endre Bjørndal, Mette Bjørndal, Iver Bragelien, Gunnar S. Eskeland, Øystein Foros, Jarle Møen, Andreas Ørpetveit, Guttorm Schjelderup, Øyvind Thomassen and Maximilian Todtenhaupt have been particularly active participants in the public debate. "
- NHH yearly hosts a number of conferences where department employees are important contributors - either in the form of programme management or by giving presentations. In 2023 this applies to *Vårkonferansen*, where Iver Bragelien was in the programme committee
- Frode Sættem is an Associate Editor of the journal *Praktisk økonomi & finans*

### External positions and society assignments

- Malin Arve is a member of the Swedish Competition Authority's council for research issues, a member of the board of the Procurement Academy (*Anskaffelsesakademiet*), a member of a committee that will revise the regulations for public procurement, a member of *UHR-Forskning*, a member of the expert group for *Strategi for å stimulere FoU i næringslivet*, a deputy member of *UHR-ØA*, CESifo Research Network Affiliate, a deputy member of the board of University Toulouse Capitole, leader of the SNF Foundation and a member of the board of SNF AS
- Endre Bjørndal is a member of the board, and secretary, of the Norwegian Association for Energy Economics (NAEE), a member of the board of the Norwegian Operations Research Society (NORS), and a deputy member of the board of SNF AS
- Mette Bjørndal is a member of the board of *Finanstilsynet* (The Financial Supervisory Authority of Norway), deputy head of the Petroleum Price Board, and a member of *Teknisk beregningsutvalg for klima*
- Elisa Casi-Eberhard is a member of the American Tax Association Research Resources and Methodology Committee, and a research fellow at the ZEW Mannheim, EU Tax Observatory and TRR Accounting for Transparency
- Trond Døskeland is a member of the board of the Finance Market Fund, a regularly attending alternate of the board of *Folketrygdfondet* (the National Insurance Scheme Fund), chair of the Risk Committee (Risikoutvalget) in *Folketrygdfondet* and a member of an expert group appointed by The Ministry of Finance to evaluate Norges Bank's active management of the Government Pension Fund Global (GPF)
- Ole Kristian Dyskeland is a deputy member of *UHR Komité for kjønnsbalanse og mangfold i forskning (KiF)* and leader of The Association of Doctoral Organisations in Norway (SiN)
- Gunnar S. Eskeland is a deputy member of the board of *Energiomstilling Vest* (the knowledge hub on sustainable energy) and a member of *Ekspertutvalget for klimavennlige investeringer*
- Julio C. Góez represents Norway in the International Federation of Operational Research Societies and in the Association of European Operational Research Societies
- Mario Guajardo is a member of the group of coordinators of the EURO (the Association of European Operational Research Societies) Working Group "OR in Sports" and the Chair of the IFORS (International Federation of Operational Research Societies) Prize for OR in Development
- Sondre Nedreås Hølleland is treasurer and board member of the Norwegian Statistical Society
- Jarle Møen is a member of The Nordic Tax Research Council, a member of *Prisrådet for havbruk*, and a member of the expert group for *Strategi for å stimulere FoU i næringslivet*
- Sigrid Lise Nonås is a member of the expert group on transportation and logistics in Bergen Chamber of Commerce and Industry
- Leif K. Sandal is a member of the board of Norwegian Marine University Consortium, CMU (part of European Marine Board), a member of the board of *Energiomstilling Vest* (the knowledge hub on sustainable energy), a member of *NPU-Samfunn*, leader of *Publiseringskomiteen for økonomisk-administrative fag* and a member of *Nasjonalt publiseringsutvalg for samfunnsvitenskapelige fag*
- Guttorm Schjelderup is a member of the Scientific Advisory Board at Mannheim Taxation (MaTax) Science Campus, University of Mannheim, a member of the Scientific Advisory Board at the Centre of Excellence (CoE) in Tax Systems Research (a joint cooperation between Tampere University, VATT, and University of Helsinki), a Research Fellow at CESifo, Munich, and a Research Fellow at Saïd Business School, University of Oxford
- Stein Ivar Steinshamn is a member of the Resource Group Knowledge in the Seafood Innovation Cluster, a member of *Meklingsnemnda for minstepriser i pelagisk sektor* and a member of the reference group of *Grøn region Vestland*
- Stein W. Wallace is a member of the board of EURO Working Group on Stochastic Programming, a member of Symposium Advisory Committee (SAC) of the Mathematical Optimization Society's conference in 2024, and a member of steering committee for LOGMS (Logistics and Maritime Systems), conference series