

# Annual Report 2022 Department of Business and Management Science

Management	Head Jarle Møen, Deputy Head Iver Bragelien, Adm. Manager Kristin Reichel Teigland
Affiliated	98 persons – 21 Professors, 11 Associate Professors, 9 Post Doctorate Fellows/Assistant Professors, 2 Researchers, 22 PhD Research Scholars, 7 PhD Students with other funding, 3 Adjunct Professors, 7 Adjunct Associate Professors, 2 Adjunct Lecturers, 6 Professor Emeriti, 1 Scientific Assistant, 1 Administration Manager, 2 Senior Executive Officers, 2 Higher Executive Officers and 2 Office Apprentices
Man-years	74,75 man-years – Faculty 46,95; PhD Research Scholars 22,0; Administrative Staff 5,8
Gender balance	16 % women in tenured faculty positions, 38 % in non-tenured faculty positions, 45 % in PhD Research Scholar positions and 8 % in adjunct faculty positions
Publication points	60,9 (66,8 in 2021, 60,7 in 2020, 58,1 in 2019)

## Hirings and promotions

- Mohammed Mardan was promoted to Professor in Business Economics
- Haiying Jia was hired as Professor in Shipping Economics
- Giacomo Benini was hired as Assistant Professor in Business Economics with specialization in Applied Statistics and Econometrics
- Sondre Nedreås Hølleland was hired as Assistant Professor in Business Economics with specialization in Applied Statistics and Econometrics
- Jaikishan Soman was hired as Assistant Professor in Optimization and Logistics
- Gabriel Fuentes was hired as Assistant Professor in Operations Research with specialization in Shipping and Logistics
- André Wattø Sjuve was hired as Assistant Professor in Business Economics
- Five new PhD Research Scholars were hired; Fabian Brockmann, Vegard Enerstvedt, Mina Masoomi, Sahar Moazzeni, Torstein Takvam
- Serine Eikanger was hired as Office Apprentice

## Awards

- Geir Drage Berentsen and Håkon Otneim were awarded the NHH Inspirational Teaching Award for 2022
- Geir Drage Berentsen and Håkon Otneim were awarded the NHH Student Association's Teaching Award "Bronsesvampen" ("The Bronze Sponge") for the Autumn Semester 2022
- Ola Kvaløy and Trond E. Olsen were granted NHHs publication bonus for an article in *Journal of Accounting Research*
- Maximilian Todtenhaupt was granted NHHs publication bonus for an article in *Accounting Review*
- Endre Bjørndal and Mette Bjørndal have published a scientific article on ABS level 4 in *European Journal of Operational Research*
- Steffen Juranek has published a scientific article on ABS level 4 in *British Journal of Management*

## 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 57 articles in scientific journals, 3 chapters in scientific anthologies and 1 scientific monography. This corresponds to 60,9 publication points, of which 44 % are classified on level 2 in University Norway's (UHR's) publication scheme, 30 % are on ABS level 3 or higher (14 % on level 4/4\* and 16 % on level 3).
- The Department's total project grants from competition arenas are NOK 11,2 million (6,3 in 2021, 4,7 in 2020, 4,3 in 2019). The total grant of NOK 11,2 million comes from the Research Council of Norway. This includes grants received directly from the Research Council of Norway and grants received from external project owners. In addition, the Department had an annual grant funding of a professorship in shipping economics of 1 million from the Bergen Shipowners' Association and the Neptun Bergen Foundation (until August 19, 2022)
- 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 2021, 5,2 in 2020, 4,7 in 2019)
- 15 papers were published in the Department's Discussion Paper series (10 in 2021, 15 in 2020, 17 in 2019)
- 27 faculty 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 Roar Os Ådland (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. Roar Os Ådland is the leader of the innovation area «Smart Shipping», coordinator for NHH's activities, and sits on the steering committee of the SFI along with Geir Drage Berentsen. 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.
- The Department's faculty members have external funding for new research projects from both Norwegian and European competition arenas
  - Elisa Casi-Eberhard has been awarded a prestigious Marie Curie Research Fellowship from the EU – for the project «TAXFAIR ».

### Doctoral dissertations

- Ritvana Rrukaj (April): Essays on Energy Markets
- Nahid Rezaeinia (June): Contributions to the Methodology and Practice of Optimization Problems with Multiple Preferences
- Andreas Olden (June): Essays on Behavioural Economics and Tax Compliance

### Scientific conferences

- The Department's faculty members regularly contribute to international scientific conferences and other professional meeting places. 108 conference contributions and academic presentations have been registered in the research database Cristin (87 in 2021, 49 in 2020, 122 in 2019). NHH's fund has awarded the department's employees 33 travel grants (5 in 2021, 7 in 2020, 38 in 2019).
- Elisa Casi-Eberhard, Mohammed Mardan, Guttorm Schjelderup and Maximilian Todtenhaupt were members of the Scientific Committee for the *3rd Norwegian Tax Accounting Symposium* held in Bergen in May.
- Malin Arve was member of the Scientific Committee for the *6th Annual BECCLE Conference* held at NHH in June.
- Evelina Gavrilova-Zoutman was a member of the scientific committee for the *International Institute of Public Finance 2022 Annual Congress* held in Linz, Austria, in August.
- Malin Arve was co-responsible for the *Conference on contracts and organizations - celebrating the retirement of Professor Trond E. Olsen* held at NHH in September.
- Elisa Casi-Eberhard was a member of the Scientific Committee for the *9th Mannheim Taxation Conference* held in Mannheim, Germany, in September.
- Elisa Casi-Eberhard was responsible for the *1st Conference on Tax Transparency* held at NHH in December.
- Mario Guajardo was a plenary speaker at the *8th Western Conference on Football and Finance*, organized by University of Reading and Paderborn University, and held online in May

### Editors in scientific journals

- Roar Os Ådland is an Associate Editor of *Multinational Finance Journal* and on the Editorial Board of *Maritime Business Review* and in *Maritime Policy & Management*
- 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* and *Journal of Quantitative Analysis in Sports*
- Guttorm Schjelderup is on the Editorial Board of *International Tax and Public Finance*
- Maximilian Todtenhaupt is on the Editorial Board of *Journal of the American Taxation Association (JATA)*
- 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 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
- 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 57 course sequences in the Master Programme, including 6 new courses
- The Department works purposefully to support NHH's commitment to technology-related courses and is responsible for 27 of the 58 courses included in NHH's measurement indicator for following up the strategy in

this area. The Department also has course responsibility for five courses with a focus on sustainability, another strategic priority area

- 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), Iver Bragelien (MASTRA, Programme Director MØST), Svein Gjedrem (MØST), Øystein Gjerde (MØST), Mario Guajardo (MØST), Joachim Høegh-Krohn (MØST), Håkon Otneim (MØST) and Frode Sættem (MØST, MASTRA)

### Dissemination

- 28 feature articles and opinion pieces were published in national newspapers (39 in 2021, 43 in 2020, 32 in 2019)
- Roar Os Ådland, Malin Arve, Petter Bjerksund, Endre Bjørndal, Mette Bjørndal, Iver Bragelien, Gunnar S. Eskeland, Øystein Foros, Arnt Ove Hopland, Jarle Møen, Guttorm Schjelderup and Øyvind Thomassen 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 2022 this applies to *Vårkonferansen*, where Iver Bragelien was in the programme committee, and NHH's shipping conference *LeaderShip 2022*, which was hosted in collaboration with the Bergen Shipowners' Association, with Roar Os Ådland as head of the organizing committee.
- Frode Sættem is an Associate Editor of the journal *Praktisk økonomi & finans*

### External positions and society assignments

- Roar Os Ådland is a member of steering committee for LOGMS (Logistics and Maritime Systems), conference series, and a deputy member of the board of SNF AS
- Malin Arve is a member of the Swedish Competition Authority's council for research issues, chair of the board of the Procurement Academy (*Anskaffelsesakademiet*), a member of a committee that will look at the possibilities for simplifying regulations and reporting obligations in order to save the business community time and money, a member of a committee that will revise the regulations for public procurement, a member of member of *UHR-Forskning*, a deputy member of *UHR-ØA* and a member of the board of the SNF Foundation and the board of SNF AS
- Endre Bjørndal is a member of the board of the Norwegian Association for Energy Economics (NAEE) and a member of the board of the Norwegian Operations Research Society (NORS)
- Mette Bjørndal is a member of the board of *Finanstilsynet* (The Financial Supervisory Authority of Norway), deputy head of the Petroleum Price Board, a member of a committee that shall assess the development of the power grid (until June 2022) and a member of *Teknisk beregningsutvalg for klima*
- Iver Bragelien is a member of *Lederlønnsutvalget*
- 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)
- 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 is chair of the executive board of the Norwegian Operations Research Society (NORS) - and 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 and a member of *Skatteutvalget*
- 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