Curriculum Vitae

Herman Ringdal

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Profile

Herman holds a Master of Science in Economics and Business Administration from the Norwegian School of Economics (NHH), with a major in Economics. During his master's, Herman spent one semester at EDHEC Business School in Nice, France, studying corporate finance and banking. By using a set of different econometric techniques, Herman wrote an empirical master's thesis which investigated the relationship between particulate matter and economic development, economic preferences and public regulations in 157 countries between 1990 and 2017.

Herman started his professional career in Vista Analysis in 2019. During his time at Vista, Herman has performed economic analysis, cost-benefit analysis, GHG emission accounting, wider economic impacts, evaluations and development cooperation. Herman has project experience from several thematic areas such as energy, climate and environmental issues, IT and digitalization, urban planning and transport.

Herman has gained international experience from development cooperation through Norad's (Norwegian agency for development cooperation) Oil for Development program in Somalia, where he had the responsible for carrying out an online course in petroleum revenue management. Participants of this course included officials from the Ministry of Finance (MoF), Ministry of Petroleum and Mineral Resources (MoPMR), and the National Bureau of Statistics of Somalia. Herman has also supported his colleagues in the project with preparations to one workshop held in Addis Ababa, and co-author of a GAP analysis including policy recommendations towards future cooperation between Norway, MoF and MoPMR).

Herman is currently working on five projects in Europe on green transition, all funded by the EEA Financial Mechanism. There are three projects in Poland (Kolaczkowo, Kazimiers Biskupi and Olesno) where public schools are reconstructed and modernized, replacing coal fired heating systems with photovoltaic panels and heat pumps. In these projects Vista Analyse is conducting analyses of energy consumption by the facility before and after the modernization, including on-site inspections and contributing to comprehensive information and education campaigns on renewable energy sources and climate change mitigation. Through the project RENEWSM in Satu Mare (Romania) Vista Analyse, together with Satu Mare County Intercommunity Development Association, is increasing knowledge and raising awareness on renewable energy, energy efficiency and energy security among local and regional public administrations, NGOs, public institutions, pupils/students and the general public. The last project is taking place in Greece together with the Agricultural University of Athens, where there is being build a plant to desalinate sea water in order to produce drinking water on Kimolos Island.

In all, Herman has contributed to more than fourty projects and has demonstrated great capacity and an ability to quickly comprehend new issues. Herman masters both quantitative and qualitative methods, is a good writer and speaker.

Education

2020 Single course in Public Economics, University of Oslo

2014-2019 Five-year MSc degree programme in Economics and Business Administration, Norwegian School of Economics (NHH) in Bergen, Norway.
Major in Economics, with special emphasis on courses in macro-, environmental-, and energy economics.

2018 Exchange semester, EDHEC Business School in Nice, France.

Work experience

2019- **Vista Analysis**, consultant.

International project experience

2023 **Thermomodernisation of Public Primary School nr 2 in Olesno** (ongoing)

EEA Grants

The project "Thermomodernisation of Public Primary School nr 2 in Olesno" is implemented by The Municipality of Olesno (Opole Voivodeship, Poland) and co-financed by the EU. This project involves an in-depth thermomodernisation of the school which will solve the problem of low thermal insulation, the lack of airtightness of the elements od school building, the problem of a faulty central heating and Domestic Hot Water. It also includes an application of a system of photovoltaic panels producing electricity for the building's own purposes. The project aims to reduce energy consumption at school through saving final energy up to 88.03%, primary energy up to 80.68%, increasing energy use from Renewable Energy Sources up to 20.04% and reducing CO2 emissions up to 76.68%.

2023-2024 **RENEWSM** (ongoing)

EEA Grants

The project RENEW aims to increase knowledge and raise awareness on renewable energy, energy efficiency and energy security in the County of Satu Mare. More specifically, the project target is to reach at least 2.000 inhabitants in the county of Satu Mare, including children, adults and local authorities and institutions representatives, and to raise awareness and increase their knowledge on energy. Vista Analyse is contributing with a written study report, a workshop for local stakeholders and decision makers in Satu Mare and a workshop in Norway on alternative sources of energy, energy efficiency and energy security, and participations at conferences in Satu Mare to raise awareness.

2022-2024 **BRIZE – Brine Zero Emission** (ongoing)

EEA-grants

Vista Analyse has partnered with the Agricultural Univeisty of Athens, the University of Iceland and IFE in a project to build a desalination plant on Kimolos Island in Greece, incorporating innovative technology of brine treatment-BriZE. BriZE will secure the uninterruptible and rational water supply of Kimolos and will outline the path for a successful mitigation of the environmental footprint of desalination plants by using photovoltaic arrays and by establishing an innovative brine treatment system.

2022-2024 **Improving the energy efficiency of the building of the School and Kindergarten Complex in Kozarzewo** (ongoing)

EEA-grants

Vista Analyse is supporting Kazimiers Biskupi in the reconstruction of the Schooland kindergarten complex in Kozarzewo. The reconstruction includes modernization of the heating system and hot water preparation, execution of a mechanical heating system and hot water preparation, thermal insulation of the building, replacement of windows and doors, execution of a 47,00 kWp PV installation and replacement of lighting and electrical installations. The projects sees Vista Analyse and Kolaczkowo commune conduct a comprehensive information and education campaign, raising awareness on climate change mitigation, energy management, energy efficiency and renewable energy sources.

2022-2024 **Reconstruction of the Primary School in Bieganowo building with thermal instulation of external walls as part of the building thermal modernization** (ongoing)

EEA-grants

Vista Analyse is supporting Kolaczkowo commune in the reconstruction of the Primary School in Bieganowo. The reconstruction includes modernization of the heating system and hot water preparation, execution of a mechanical heating system and hot water preparation, thermal insulation of the building, replacement of windows and doors, execution of a 49,2 kWp PV installation and replacement of lighting and electrical installations. The projects sees Vista Analyse and Kolaczkowo commune conduct a comprehensive information and education campaign, raising awareness on climate change mitigation, energy management, energy efficiency and renewable energy sources.

2021 **Mapping study of climate policy in Central Asia (Orig. title: Klimapolitikk i de sentral-asiatiske landene)**

The Norwegian Ministry for foreign affairs

On behalf of the Norwegian Ministry for foreign affairs, Vista Analyse is performing a mapping of the climate policy in the five countries in Central Asia: Kazakhstan, Kyrgyz Republic, Uzbekistan, Turkmenistan and Tajikistan.

2021 **Oil for Development programme in Somalia (Orig. title: Foranalyse av samfunnsøkonomiske virkninger og mulige ringvirkninger av mineralutvinning i Rogaland)**

Norad

Vista Analysis is given the responsible for carrying out the Oil for Development program in Somalia, which includes physical workshops in/near Somalia as well as an online course in Petroleum Revenue Management.

Herman was responsible for the online course, supported his colleagues prepare workshops and co-authored the GAP analysis report.

Other project experience

See www.vista-analyse.no/no/medarbeidere/herman-ringdal for official reports.

2023-2024 **Capital costs in the Grant Scheme for Norwegian municipalities and counties (Orig. title: Kapitalkostnader i utgiftsutjevningen i inntektssystemet for kommunr og fylkeskommuner)** (ongoing)
Ministry of Local Government and Regional Development

2023 **Analysis of the need for schools in Frogner, Oslo (Orig. title: Skolebehov Montebello)**
Husebyplatået

2023-2024 **Quality assurance of a public concept study on zero emission trains (KS1) (Orig. title: KS1 av KVU Green)** (ongoing)
The Norwegian Ministry of Finance and The Norwegian Ministry of Transport

2023 **Economic analysis of the airport express train (Orig. title: Samfunnsøkonomiske virkninger av integrert tilbringertjeneste)**
The Airport Express Train

2023 **Efficient pricing of roads and public transport in cities (Orig. title: Effektiv prising av reisemidler i byområder)**
The Norwegian Public Road Administration

2023 **Analsyis of the need for kindergarten places on Fjellhamar (Orig. title: Barnehageanalye Fjellhamar)**
Solon Eiendom

2023 **Analysis of the potential of Fagerstrand (Orig. title: Potensialanalyse av Fagerstrand)**
Nesodden municipality

2023 **Economic analysis of cellular network (Orig. title: Samfunnsøkonomi nettdekningsprogram)**
Bane NOR

2023 **Organisations of the tramway Gråkallbanen in Trondheim (Orig. title: Utredning om drift i egenregi av Gråkallbanen)**
Trøndelag county

2023 **Vikafjellstunnelen on Rv13: Economics and other effects (Orig. title: Vikafjellstunnellen på Rv13: Samfunnsøkonomi og andre virkninger)**
Nye Veier

2022 **Technologies for direct air capture of CO2 (DAC)**
Norwegian Environment Agency
Together with Sintef, Vista Analyse has performed a mapping study of different technologies for direct air capture of CO2 (DAC).

2022 **Economic effects from splitting Kristiansand municipality (Orig. title: Økonomiske virkninger av en deling av Kristiansand kommune)**
Kristiansand municipality

2022 **Potential for wider economic impacts from a new decommissioning industry in Norway (Orig. title: Ringvirkningspotensiale for en ny norsk dekom-industri)**
Smart Innovation Norway

2022 **Ex-post evaluation of the railway project Holm-Nykirke (Orig. title: Etter-evaluering av Holm-Nykirke)**

Norwegian Railway directorate

2022 **Evaluation of Innlandet County's organization of public transport (Orig. title: Utredning av Innlandets organisering av kollektivtrafikken i egenregi)**

Innlandet County

2022 **Mapping of inquiries in the rental market (Orig. title: Kartlegging av henvendelser i leiemarkedet)**

Ministry of Local Government and Regional Development

2022 **Wider economic impact study of a new temporary storage facility for radioactive waste (Orig. title: Ringvirkningsanalyse av nytt midlertidig lager for radioaktivt avfall)**

NND – Norwegian Nuclear Decomissioning

Vista Analyse and WSP have conducted a wider economic impact study of establishing a new temporary storage facility for radioactive waste. The study is conducted using Vistas wider economic impacts model VISTA-VIRKNING

2022 **Wider economic impacts from Wisting (Orig. title: Ringvirkninger fra utbygging av Wisting-feltet)**

Greenpeace, Naturvernforbundet and Natur og ungdom

As part of Equinors plan for construction and operation ("Plan for utbygging og drift" – PUD") of Wisting, KBP has performed a wider economic impact study. Vista Analyse has reviewed this study, and clarified a few typical misconceptions on wider economic impacts.

2021-2022 **Concept study of storage and disposal of nuclear waste (Orig. title: Konseptvalgutredning om permanent oppbevaring av radioaktivt avfall)**

NND – Norwegian Nuclear Decomissioning

Confidential

2021 **Wider economic impacts study of a Norwegian National Disposal Facility for Radioactive Waste (Orig. title: Ringvirkninger av nasjonalt anlegg for deponering av radioaktivt avfall)**

NND – Norwegian Nuclear Decomissioning

2021 **KomSam – economic model for calculating the economic costs of a municipal decentralization (Orig. title: KomSam – modell for beregning av økonomiske merkostander ved oppdelt kommunestruktur I byområder)**

County Governor of Rogaland

2021 **Economic analysis of a new Norwegian mineral industry**

Confidential

2021 **Tender procedure in public transportation (Orig. title: Anbud i bussmarkedet)**

For NHO Transport

Vista Analysis finds themselves early in a process with the Norwegian transport industry association of a project on evaluating the tender procedure of public transport. This work will supplement a previous report from Vista, which found that tender procedures has contributed with efficiency gains of 10 to 15 percent in the market for public bus transportation. This work will supplement by analyzing where, and by which tasks, these efficiency gains arises.

Herman was involved in the complete process of this work.

2020 **Quality assurance of Freight Terminal Structure in Oslofjord area (Orig. title: Kvalitetssikring av KVU Godsterminalstruktur i Oslofjordområdet)**

Ministry of Finance and Ministry of Transport

Vista Analyse and Metier OEC has conducted the external quality assurance (KS1) of an economic analysis (KVU) of the freight terminal structure in the Oslofjord area.

Herman has contributed to the analysis and in the report writing.

2020 **An evaluation of an obligation for fuel suppliers to reduce emissions as a climate policy tool (Orig. title: Vurdering av reduksjonsplikt som verktøy i klimapolitikken)**

NHO Drivkraft Norge

On behalf of the industry association for fuel and energy companies in Norway, Vista Analysis has evaluated an obligation for the fuel suppliers to reduce emissions, as an alternative to the requirements to the sales volume of biofuels they face today. Based on economic principles, Vista Analysis evaluates if the alternative is a more cost effective, technology neutral and accurate tool in the Norwegian climate policy.

Herman has contributed with evaluations and report writing.

2020 **Effects from COVID-19 on the Norwegian power industry (Orig. title: Koronavirkninger for fornybarnæringen)**

Energy Norway

On behalf of the Norwegian Power Industry organization, Vista Analysis has estimated the effects from COVID-19 on the industry and its wider economic impact. The report supplements the analysis of the wider economic impact of the Norwegian power industry. Vista Analysis investigates how the crisis has affected the Norwegian power prices, indirectly through the oil prices, and which losses this causes, first, for the power producers, and subsequently for their suppliers.

Herman contributed to calculations, estimates and report writing.

2020 **Economic consequences of damages from excavation work (Orig. title: Samfunnsøkonomiske konsekvenser av graveskader)**

Norwegian Ministry of Local Government and Modernisation

Vista Analysis has investigated the yearly social costs of damages on infrastructures in the ground caused by excavation work. The analysis also estimtes the number of yearly damages, and aims to reduce the negative conseguences to society from damagems caused by excavation work.

Herman contributed to the data collection, analysis and report writing.

2020 **Economic consequences of a new Web Accessibility Directive (Orig. title: Samfunnsøkonomiske konsekvenser av nye krav om tilgjengelighet til nettsider og mobilapplikasjoner)**

Norwegian Ministry of Local Government and Modernisation

2020 **Estimates of the wider economic impacts of the Norwegian renewable industry (Orig. title: Ringvirkningsanalyse av fornybarnæringen)**

Energi Norge and BOLDT Partners

As a subcontractor to Bold Partners, Vista Analysis has estimated the wider economic impacts of the renewable part of the Norwegian power industry. The analysis focuses on effects on regional employmen, through the industry itself as well as its suppliers. The analysis also estimates the public income from the industry through taxes, fees and public ownership. The project also resulted in additional projects for Vista Analysis.

Herman contributed to the data collection, analysis and report writing.

2019 **Costs of CCS in Norway – additional calculations bio (Orig. title: Kostnader ved karbonfangst og -lagring i Norge – tilleggsberegninger bio)**

Norwegian Environment Agency

In cooperation with Sintef Tel-tek, Vista Analysis has perfored additional caluclations of carbon capture and storage for plants which use biofuels. The project supplements a previous work on CCS-costs for 49 Norwegian plants, also carried out by Vista and Sintef.

Herman contributed to the data collection, analysis and report writing.

2019 **Carbon footprint of fireworks (Orig. title: Miljøvirkninger av fyrverkeri)**

Norsk Fyrverkeriforening

Vista Analyse performed greenhouse gas emission accounting of fireworks on behalf of the Norwegian Fireworks Association (Orig.:Norsk Fyrverkeriforening).

Herman contributed to the data collection, analysis and report writing.

2019 **Should OsloMet own or rent their areal? (Orig. title: Eie eller leie av lokaler for OsloMet)**

OsloMet

On behalf of OsloMet, Vista Analysis has analysed OsloMets flows of rent to public and private owners to evaluate whether the university should buy their own campus. More general, the question is, whether the fact that a university rents it's premises of private businesses is the best model in an public economics perspective.

Herman contributed to the data collection, analysis and report writing.

Languages

Norwegian	Mother tongue
English	Fluent