

CV Jóhannis Danielsen

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Profession Biologist, Ph.D.

Current position Senior Scientist, Head of Seabird Department, Faroe Marine Research Institute

Education

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| 1990 | High-School from Felagsskúlanum á Oyrabakka. |
| 1992 | Støðisútbúgving Innan Tøkni (S.I.T.) at The School of Technology in Tórshavn. |
| 1993 | Studied the first part of "Dyreassistent" (animal park-assistant) at The School of Technology in Kolding, Denmark. |
| 1996 | HF (Collage) from HF- og studentaskúlin í Hoydølum in Tórshavn, Faroe Islands. |
| 2000 | B. Sc. From the Faroese University, Faroe Islands on the thesis: Distribution in space and time of the Coleoptera Beetles on the Faroe Islands. |
| 2001 | M. Sc. From Lunds University, Sweden on the thesis: Reproductive performance in a population of individually marked Oystercatchers (<i>Haematopus Ostralegus</i>) on the Faroe Islands. |
| 2009 | Licentiate from Lunds University, Sweden titled: Peeps into the life of Faroese Northern Fulmars <i>Fulmarus glacialis</i> : dietary habits and annual cycle of nest-site attendance as revealed by video surveillance. |
| 2011 | PhD, Lunds University, Sweden titled: Nest-site attendance and foraging ecology of the Northern Fulmar (<i>Fulmarus glacialis</i>) on the Faroe Islands. Sub-title: Is the Northern Fulmar a useful indicator of ecosystem productivity and pollution? |

Language capacity

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| Faroese | Mother tongue |
| Danish | Fluent |
| Swedish | Fluent |
| English | Good |

Relevant experiences

- Experienced in using the statistical programs SPSS and to some extent PAST.
- Have some experience working with GIS and databases (Access).
- Proficient in Word and Excel. Novice experience with Arduino Physical Computing and Robotics.
- Quite well experienced in flying and using drones as a tool for both research and e.g. movie productions.
- Have an international driver license for cars (B), and a regular driver license for tractors and fork-lift trucks.
- Have a PADI diving certificate and have participated in a couple of first-aid courses and fire drills.

Scientific publications

Peer-reviewed Merkel, B., Descamps, S., Yoccoz, N. G., Danielsen, J., Daunt, F., Erikstad, K. E., Ezhov, A. V., Grémillet, D., Gavriilo, M., Lorentsen, S-H., Reiertsen, T. K., Steen, H. Systad, G. H., Þórarinnsson, Þ. L., Wanless, S and Strøm, H. 2019. Earlier colony arrival but no trend in hatching timing in two congeneric seabirds (*Uria* spp.) across the Northe Atlantic. *Biol. Lett.* 15: 20190634.

- Mindaugas Mitkus, Gabrielle A. Nevitt, Johannis Danielsen and Almut Kelber. 2016.* Vision on the high seas: spatial resolution and optical sensitivity in two procellariiform seabirds with different foraging strategies. *Journal of Experimental Biology* 219: 3329-3338. doi:10.1242/jeb.140905
- Danielsen, J. 2011.* Diurnal activity patterns suggest nocturnal foraging in Northern Fulmar (*Fulmarus glacialis*). *Fróðskapur. Faroe University Press. Fróskaparrit.* 59: 113-120.
- van Franeker, J. A., Blaize, C., Danielsen, J., Fairclough, K., Gollan, J., Guse, N., Hansen, P-L., Heubeck, M., Jensen, J-K., Guillou, G., Olsen, B., Olsen, K-O., Pedersen, J., Stienen, E.W.M., Turner, D.M. 2011.* Plastic ingestion by Northern Fulmar as a tool to monitor marine litter in and around the North Sea. *Environmental Pollution* 159: 2609-2615.
- Danielsen, J., van Franeker, J. A., Olsen, B. and Bengtson, S.-A. 2010.* Preponderance of mesopelagic fish in the diet of the northern fulmar (*Fulmarus glacialis*) around the Faroe Islands. *Seabird.* 23: 66-75.
- Danielsen, J. and Bengtsson, S-A. 2009.* Year-round video surveillance of individual nest-site attendance of Northern Fulmars (*Fulmarus glacialis*) in the Faroe Islands. *Fróðskapur. Faroe University Press. Fróskaparrit.* 57: 89-109.
- Danielsen, J. and Jensen, J-K. 2003.* Recoveries of Gannets (*Morus bassanus*) ringed on the Faroe Islands. *Fróðskapur. Faroe University Press. Fróðskaparrit* 51: 264-269.

Other

- Debes, H., i Homrum, Ey., Jacobsen, J. A., Hatun, H. and Danielsen, J. 2012.* The feeding ecology of pelagic fish in the southwestern Norwegian Sea – Inter species food competition between herring (*Clupea harengus*) and mackerel (*Scomber scombrus*). *ICES CM 2012/M:07*
- Danielsen, J. 2005.* Havið kring Føroyar tað reinasta í heiminum? Frøði 2/2005. Føroya Fróskaparfelag. Tórshavn (A study about the plastic pollution of the seas around the Faroe Islands using stomach analyses from Fulmars).
- Højgaard, D. P., Danielsen, J. and Purkhús, K. 2005.* Umhvørviskanningar av kombikki í Føroyum. Frøði 2/2005. Føroya Fróskaparfelag. Tórshavn (Environmental study of the Three-spined sticklebacks on the Faroe Islands).

In prep.

- Merkel, B., Descamps, S., Yoccoz, N. G., Grémillet, D., Fauchald, P., Buzun, V., Danielsen, J., Daunt, F., Erikstad, K-E., Ezhov, A. V., Harris, M. P., Gavrilov, M., Lorentsen, S-H., Lorentzen, E., Reiertsen, T. K., Systad, G. H., Lindberg, P. P., Wanless, S., Strøm, H.* Strong migratory connectivity across meta-populations of sympatric North Atlantic seabirds. Submitted to PNAS.
- Danielsen, J. Højgaard, D. P., Steingrund, P. and Hátún, H.* Nest-site attendance of Northern Fulmars (*Fulmarus glacialis*) on the Faroe Islands determined by the North Atlantic gyre. In prep.
- Hart, T. and Danielsen, J.* Latitudinal phenology of Kittiwake (*Rissa tridactyla*) from Svalbard, Faroe Islands and Scotland as revealed by time-lapse cameras. In prep.

Posters

- Guillemot migration in geographic and environmental space. *Benjamin Merkel, S Descamps, NG Yoccoz, F Daunt, KE Erikstad, AV Ezhov, MP Harris, M Gavrilov, D Grémillet, SH Lorentsen, E Lorentzen, TK Reiertsen, H Steen, GH Systad, PL Þórarinnsson, S Wanless, V Buzun, J Danielsen and H Strøm.* The 6th International bio-logging Science Symposium. 25-29 September, 2017. Lake Constance, Germany.
- Current status on marine litter indicators in Nordic waters. *Strand, J., Tairova, Z., Magnusson, K., Danielsen, J., Naustvol, L-J., Sørensen, T. K. and Hansen, J. W.* NMC conference on plastics in the marine environment. September 24, 2014. Reykjavík, Iceland.
- PCDFs, PCDDs, Non-Ortho PCBs, and Mono-Ortho PCBs in Northern Fulmars from Faroe Islands. 2005. *Ingrid Ericson, Jessika Hagberg, Maria Dam, Bert van Bavel, Jens-Kjeld Jensen and Jóhannis Danielsen.*
- Danielsen, J.* The diet of the Northern Fulmar (*Fulmarus glacialis*) on the Faroe Islands. International Congress "Birds of the Atlantic" on Madeira 29 October to 1 November 2004.
- Some notes on morphology, parasites and swimming behaviour of Three-Spined stickle-backs, *Gasterosteus aculeatus* L. from the Faroe Islands. *Højgaard, D. P. and Danielsen, J.* The Fourth International Conference on Stickleback Behaviour and Evolution Tjarnø Marine Biological Station, Strømstad, Sweden. July 31 – August 4, 2003.

Participation in “popular” scientific work, reports, reviews and editorial work

Popular scientific work

- Danielsen, J. 2012. "Ein sveimari við plastikki í maganum" Sjóvarmál p52-54. Havstovan 2012. (Eds.) Larsen, K. M. H., Debes, H. H., Djurhuus, H. E. and Clementsen, D. H. J. ISBN 978-99918-831-2-0. ("A glider with plastic in the stomach")*
- Danielsen, J. 2005. Mallemukken, Færøernes havhest. Atlantic Review 2005. (The Northern Fulmar on the Faroe Islands)*

Reports

- Hansen, L. J., Danielsen, J. and Aldará, J. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2019. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2019)*
- Danielsen, J., Hansen, L. J. and Kreiling, A-K. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2018. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2018)*
- Danielsen, J., Cairneiro, A. P., Hansen, L. J. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2017. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2017)*
- Danielsen, J. and Hansen, L. J. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2016. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2016)*
- Danielsen, J., Hansen, L. J., and Joensen, C. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2015. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2015)*
- Jakob Strand, Jóhannis Danielsen, Kerstin Magnusson, Lars-Johan Naustvoll, Thomas Kirk Sørensen, Zhanna Tairova and Jens Würgler Hansen. Marine Litter in Nordic waters. Tema Nord Report 2015:521 for the Nordic Ministry Council.*
- Hansen, L. J., Danielsen, J., Joensen, C. and Sigurdardóttir, S. S. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2014. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2014)*
- Hansen, L. J., Danielsen, J., Joensen, C. and Sigurdardóttir, S. S. Drunnhvíti *Hydrobates pelagicus*: Teljing í Nólsoy í 2014. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (European Stormpetrel *Hydrobates pelagicus*: Transect counting results from Nólsoy, Faroe Islands, 2014)*
- Hansen, L. J., Danielsen, J., Joensen, C. and Sigurdardóttir, S. S. Drunnhvíti *Hydrobates pelagicus*: Teljing í Nólsoy í 2013. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (European Stormpetrel *Hydrobates pelagicus*: Transect counting results from Nólsoy, Faroe Islands, 2013)*
- Hansen, L. J., Simonsen, W., Olsen, B., & Danielsen, J. 2013. Drunnhvíti *Hydrobates pelagicus*: Fyribils manngongd fyri teljing. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (European Stormpetrel *Hydrobates pelagicus*: Preliminary report and transect counting methods on Nólsoy, Faroe Islands, 2013)*
- Hansen, L. J., Danielsen, J., Joensen, C. and Sigurdardóttir, S. S. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2013. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2013)*
- Hansen, L. J., Simonsen, W., Olsen, B., Danielsen, J. and Jensen, J-K. Drunnhvíti *Hydrobates pelagicus*: Teljing í Nólsoy í 2012. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (European Stormpetrel *Hydrobates pelagicus*: Transect counting results from Nólsoy, Faroe Islands, 2012)*
- Hansen, L. J., Olsen, B., Simonsen, W., & Danielsen, J. Lundi *Fratercula arctica grabae*: Teljing í Mykinesi í 2012. Føroya Náttúrugripasavn, Tórshavn, Faroe Islands. (Puffin *Fratercula arctica grabae*: Transect counting results from Mykines, Faroe Islands, 2012)*
- Dam, M., Danielsen, J. and Jensen, J-K. 2003. Sampling of tissues from Fulmars -*Fulmarus glacialis*- in the Faroe Islands for biomarker and pollutants analyses. Field report, HS mál nr. 200300134-7, 27-5-03, MD.*
- Dam, M. og Danielsen, J. 2003. The Faroe Islands Coastal Resources and Prioritisation Maps (GIS mapping of the sensitivity of the Faroese coastline regarding a potential oil pollution). Faroese Food- and Environmental Agency, Faroe Islands. Report, HS mál nr. 200200797, MD.*

- Dam, M. og Danielsen, J.* Havnarvág, Føroyar 2002 – ein kanning av dálkingarstøðuni á Havnarvág og Yviri við strond á sumri 2002. Heilsufrøðiliga Starvstovan. (Havnarvág, Faroe Islands 2002 – an investigation about the pollution in the harbors “Havnarvág” and “Yviri við Strond” during the summer of 2002. Faroese Food- and Environmental Agency, Faroe Islands.)
- Danielsen, J.* 2002. Marine habitats: GIS-presentation of available data regarding bottom types around the Faroe Islands. Faroese Food- and Environmental Agency, Faroe Islands.
- Danielsen, J.* 2002. Review regarding mercury pollution levels around drill holes while prospecting for oil at sea. Faroese Food- and Environmental Agency, Faroe Islands.
- Danielsen, J.* Notat um kyksilvurinnihaldi í sedimenti rundanum brunnarnar; Marjun 6004/16-1 og Svínoy 6004/12-1. Føroyar. 2002. (The mercury content in the sediment around the oil-wells; Marjun 6004/16-1 and Svínoy 6004/12-1. Faroe Islands)
- Desportes, G., Mikkelsen, B., Bloch, D., Danielsen, J., Hansen, J. and Mouritsen, R.* 2002. Survey report from the Faroese shipboard survey of NASS-2001. North Atlantic Marine Mammal Commission SC/10/AE/15: 1-14.
- Mikkelsen, B., Hoydal, K., Dam, M. og Danielsen, J.* 2002. “Føroya umhvørvi í tølum 2001” Heilsufrøðiliga Starvstovan, rapport nr. 2002:1, pp 130. (Statistics report for “The Faroese Environment in numbers 2001” Faroese Food- and Environmental Agency, Faroe Islands.)

Review experience Was a reviewer for Polar Biology in 2009 regarding an article about the Northern Fulmar (*Fulmarus glacialis*).

Editorial experiences In the editorial board for the Faroese Academic Union (Fróskaparfelagið) from 2012-2016. Chief editor in 2016 for the journal “Frøði”, published by the Faroese Academic Union (Fróskaparfelagið). From 2012-2014. In the editorial board for the journal “Veingjasuð”, published by the Faroese Ornithological Union (Fuglafrøðifelagið).

Presentations, conferences and workshops

- Participated in the 5th annual SEATRACK workshop in Tromsø, Norway 11-13 November, 2019.
- Had the presentation “Ongoing studies of Faroese Common Eider and increased academic and public interest in seabird research on the Faroes” at the 4th annual SEATRACK workshop in Trondheim, Norway 20 March, 2018.
- CBird annual meeting in Cambridge, Great Britain in March 2018.
- Participated in the 6th International bio-logging Science Symposium at Lake Constance, Germany 25-29 September, 2017.
- Had a presentation 2 June, 2017 at Østrøm in Torshavn, Faroe Islands titled: “Hvar ferð føroyski sjófuglurin um veturin?” (The winter migration of Faroese seabirds). This was part of the annual Faroese “Mentanardagur” (Culture Day).
- Had a presentation 26 April, 2017 in Torshavn, Faroe Islands titled: “Skaðilig árin av plastdálking á sjónum” (Plastic pollution at sea and potential harmful effects). This was part of the annual “Umhvørvisvikan” (Environmental day) arranged by the Torshavn municipality.
- Participated in a cross-disciplinary workshop on drivers of decline in Atlantic puffins and other species with related feeding ecology in the North Atlantic. In Reykjavik, Iceland 21-22 March, 2017.
- Co-organized the CBird annual meeting in Torshavn, the Faroe Islands 7-9 March 2017
- Co-organized a Lump sucker workshop in Torshavn, the Faroe Islands 5-6 March 2017.
- Had a presentation 16 February, 2017 in Klaksvik, Faroe Islands titled: “Skaðilig árin av plastdálking á sjónum” (Plastic pollution at sea and potential harmful effects). This was part of the annual “Torradaðar” (Fisheries days) arranged by the Klaksvik municipality.
- Participated in the 3rd annual SEATRACK workshop in Tromsø, Norway 15-17 November, 2016.
- Had a presentation on the 30 September, 2016 in Torshavn, Faroe Islands about my work using drones as a tool in seabird research. This was part of the Faroese annual World Science Day “Vísindavøkan”.
- Attended the Marie Skłodowska-Curie Actions (MSCA) conference in Torshavn on the 15 September 2016.
- Participated in the 13th International Seabird Group Conference in Edinburgh, 6-9 September 2016.
- Participated in a Puffin workshop organized by BirdLife International in Reykjavik 2-3 June, 2016.
- Participated in the 2nd annual SEATRACK workshop in Tromsø, Norway 16-17 November, 2015.
- SEATRACK is an ambitious tracking scheme involving several seabird species from 34 colonies in the North Atlantic.

Had a presentation on the 25 October, 2015 at the iNOVA Research Park in Tórshavn, Faroe Islands about my work in the international bird migration project SEATRACK. This was part of the Faroese annual World Science Day "Vísindavøkan".

Had a presentation on the 23 October, 2015 in the City Library in Tórshavn, Faroe Islands about my work in the international bird migration project SEATRACK. This was part of the Faroese annual World Science Day "Vísindavøkan".

Participated in the BECC Workshop: "Nordic birds and climate change" at IKDC Lund, Sweden 2 September, 2014.

Was on the 12th International Seabird Group Conference March 21st-23rd, 2014. Merton College, Oxford, UK.

Attended the second expert workshop on "Marine Litter in the Nordic Countries-and indicators relevant for EU MSFD" as an expert representative for the North-East Atlantic. Sven Lovén Centre for Marine Research, Göteborg, Sweden 13-15 November 2013.

FarGen summit 2013 conference 19 to 20 September, 2013 on the Faroe Islands (focusing on some of the achievements since the discovery of the Double Helix and the Human Genome Project to the first steps of FarGen).

Attended the workshop: Bioinspired energy conversion. Can we find cross-boundary approaches in energy-related research? Ingvar Kamprad Design Center (IKDC), Lund, Sweden. June 10-11, 2013.

Attended the first expert workshop on "Marine Litter in the Nordic Countries-and indicators relevant for EU MSFD" as an expert representative for the North-East Atlantic. Charlottenlund, Denmark 11 April 2013.

Had a presentation on the 16 February, 2013 about my PhD work for the Faroese Ornithological Union (Fuglafrøðifelagið).

FarGen summit 2012 conference 23 to 24 September, 2012 on the Faroe Islands (focusing on the potential of various genetic research (mostly medical) on the Faroe Islands).

Fishery Science Conference 20 February, 2012 at the Vinnuháskúlanum, Tórshavn, Faroe Islands.

Defended my PhD 7 October, 2011 at Lunds University, Sweden titled: Nest-site attendance and foraging ecology of the Northern Fulmar (*Fulmarus glacialis*) on the Faroe Islands. Sub-title: Is the Northern Fulmar a useful indicator of ecosystem productivity and pollution? Supervisors: Professor Sven-Axel Bengtsson and Professor Dorete Bloch. Opponent was Dr. Stefan Garthe, Research and Technology Centre West coast, University of Kiel, Germany. Committee members: Professor Almut Kelber, Lunds University, Department of Biology, Sweden: Professor Göran Högstedt, University of Bergen, Department of Biology, Bergen: Professor Fredrik Schlyter, Swedish University of Agricultural Sciences, Department of Plant Protection Biology, Alnarp.

Was on a SNS (Save the North Sea)-Workshop on Texel, Holland in April, 2010.

Presented and defended my Licentiate: "Peeps into the life of Faroese Northern Fulmars *Fulmarus glacialis*: dietary habits and annual cycle of nest-site attendance as revealed by video surveillance" at Lund University, Ecology Department, 29 May 2009.

Had a presentation on the 20 January, 2009 at Lund University about "Foraging strategies in seabirds during the breeding season" based on my introductory paper as a part of my PhD.

Was at the IV Avian Malaria Workshop in Badajoz, Spain, 24-27 November 2008.

Nordic workshop about the status of the seabirds in the West-Nordic areas. Torshavn, Faroe Islands, 26-29 September 2007.

Was on a SNS (Save the North Sea)-Workshop on Texel, Holland 15 to 19 March 2007, where I had a presentation about my PhD-work with the Northern Fulmar (*Fulmarus glacialis*). The presentation was about tracking with GPS-loggers, video recordings at the breeding sites, dietary study and morphology study.

Had a presentation on the 15 February, 2007 about my PhD- project for the Faroese Biologists Union (Lívfrøðingafelagið).

Was on the 9th International Seabird Group Conference, Aberdeen, September 1-3, 2006.

Was on the 24th International Ornithological Congress 2006, Hamburg, August 13-19, 2006.

Had a presentation on the 2 December 2005, at the Faroese Academic Union (Fróskaparfelagnum), about my PhD-study and about the Northern Fulmars nesting ecology and diet.

Had a presentation about the diet and breeding ecology of the Northern Fulmar (*Fulmarus glacialis*) on the Faroes at the SNS (Save the North Sea)-Workshop on Texel, Holland 29 September to 5 October 2005, and attended the workshop.

Presentation at symposia Dioxin 2005: PCDFs, PCDDs, Non-Ortho PCBs, and Mono-Ortho PCBs in Northern Fulmars from Faroe Islands. Ingrid Ericson, Jessika Hagberg, Maria Dam, Bert van Bavel, Jens-Kjeld Jensen and Jóhannis Danielsen.

Had a presentation on the 8 October 2004, about the diet of the Northern Fulmar (*Fulmarus glacialis*) on the Faroes, at the Faroese Museum of Natural History.

Had a presentation on the 8 October 2004, at the Faroese Museum of Natural History about the Save the North Sea-Workshop 2004, and study on plastics in Northern Fulmar (*Fulmarus glacialis*) stomachs.

Had a presentation about the diet of the Northern Fulmar (*Fulmarus glacialis*) on the Faroes at the Save the North Sea-Workshop on Texel, Holland 17-22 September 2004, and attended the workshop.

Attended the 8th International Seabird Group Conference, in Aberdeen 2-4 April 2004. North Atlantic Seabird Populations.

Attended the CBird X conference in Torshavn, Faroe Islands. 25-28 February, 2004. Conservation of Arctic Flora and Fauna. CIRCUMPOLAR SEABIRD GROUP.

Attended the Save the North Sea-Workshop on Texel, Holland 26-29 October 2003.

Attended the Tricolor-symposium in Holland 25 October 2003, about oil pollution from the Tricolor and similar accidents.

Attended the marine research "Biofar-symposium" held on the Faroe Islands 24-26 June 2003.

Had a presentation on the 20 June 2003, about the project "Coastal Sensitivity Mapping" in Tórshavn, the Faroe Islands.

Was at a NORLINK-workshop held in the Faroese Fishery Laboratory 3-7 June 2003.

Participated in the ELOISE conference in Gdansk, Poland in May 2003.

Had a presentation on the 14 March 2003, about the project "Coastal Sensitivity Mapping" in Tórshavn, the Faroe Islands.

Participated in a workshop on ecosystem modelling of Faroese waters. The workshop was held in the Faroese Fishery Laboratory, Tórshavn, the Faroe Islands 24-27 September 2002.

Was in Reykjavik, Iceland on a "Marine habitats"-workshop 12-16 September 2002.

Participated in the 2001 International Council for the Exploration of the Sea (ICES) conference in Oslo, Norway in 2001.

Scientific work and other relevant experiences

Senior scientist and head of the seabird department at the Faroese Marine Research Institute from 2018-present.

Project leader for a Greylag goose project from 2018-present, focusing on population size, production, movement during the breeding season and migration.

Assistant Professor at the Faroese University from 2016-2018. This was a 50/50 research and teaching position.

Was in charge of the RAMSAR Atlantic Puffin Census Program on Mykines, the Faroe Islands, 2018 arranged by the Faroese Environmental Agency and the Faroese Museum of Natural History.

Was in charge of the RAMSAR European Storm petrel Census Program on Nólsoy, the Faroe Islands, 2018 arranged by the Faroese Environmental Agency and the Faroese Museum of Natural History.

Collaboration from 2017 to present with Tim Guilford from the Oxford navigation group (Oxnav), tracking Manx shearwaters on Nólsoy, the Faroe Islands. The plan is to extend this work to also include the European storm petrel and the Atlantic Puffin.

Was in charge of the RAMSAR Atlantic Puffin Census Program on Mykines, the Faroe Islands, 2017 arranged by the Faroese Environmental Agency and the Faroese Museum of Natural History.

Collaboration from November 2015-present between Norway, Iceland and the Faroe Islands on a project studying the differences between the Faroese Eider-duck subspecies and those from neighbouring countries. Furthermore, one aim of the study is to try to answer the question whether the Icelandic Eider-duck population originated from North America, Eastern Greenland or the Faroe Islands. This work will be based on life-history traits, biometrics and DNA sequencing. In 2018 Canada joined this collaboration.

Collaboration with the Natural History Museum and Copenhagen University, Denmark from November 2015-present on a Rock dove project. The main aim of the project is to test the hypothesis that the faroese rock-dove population is one of the last wild type populations left on the planet. This will be done with DNA sequencing.

Worked at the Environmental Agency from November to January 2016, collecting and presenting in ArcGIS all available biological and chemical studies done in the so-called "Gullhornið" area and the Faroe economic zone south-east to south-west of the Faroe Islands. This work was done as a pre-courser for future Environmental Risk Assessments in relation to planned oil exploration activities in the area in 2017.

Collaboration from 2015 to present with the international seabird migration study (SEATRACK) where I was responsible for equipping Northern Fulmars, Lesser Black backed Gulls, Herring Gulls, Eider Ducks, Guillemots and Shags with between 30 to 40 (depending on species) geolocators. In addition, the birds were ringed, blood- and feather samples collected and measurements taken. Since this usually is a group of 3 to 5 people working in sometimes very challenging environments it provided me with some valuable experience in the role as a PI.

Was in charge of the RAMSAR Atlantic Puffin Census Program on Mykines, the Faroe Islands from June to August, 2015 arranged by the Faroese Environmental Agency and the Faroese Museum of Natural History.

Helped The Faroese Museum of Natural History with the satellite tagging of pilot whales in Fuglafirði, Faroe Islands 23 August, 2015.

Post-doc "Satellite tracking of the Northern Fulmar (*Fulmarus glacialis*) on the Faroe Islands" at the Faroe Marine Research Institute and in close collaboration with the CAnMove Group at Lund University, from September 2013 to September 2014. The project was funded by the Faroese Research Council.

Collaboration from 2014-present with the Oxford Navigation Group and the Ocean Research Groups in the Department of Zoology, and the Computer Learning Group in the Engineering Department, all at Oxford University, on a project using images taken of seabird colonies to look at e.g. phenology, colony dynamics, breeding success, feeding frequency of the chicks and predation. This will then be compared with environmental factors like phyto- and zooplankton productivity, tidal movements, currents, wind speed- and directions, sea- and air temperatures etc. The images are being processed using crowdsourcing where volunteers count the birds on the images. The data from the processed images is then used to train algorithms to automate the counting process making it possible to process an amount of images not possible with today's manual labour techniques. During the Summers 2014 to present, I deployed and managed, together with the Faroese Museum of Natural History, 4 to 10 field cameras taking high frequency time-laps images at various seabird colonies on Mykines, the Faroe Islands.

Collaboration from 2014-2016 with the Vision Group at Lund University, Sweden on an extensive study on seabird vision compared with their known feeding behaviour and ecology. For this study we collected eyes from 45 birds from 12 different seabird species on the Faroe Islands in June 2014. Parts of this project was presented as a PhD-thesis at Lunds University on 10 October, 2015.

Participated in a European Storm Petrel Census Program arranged by the Faroese Museum of Natural History in June, 2014 on Nólsoy, the Faroe Islands. This is home to the world's largest colony of this species.

Was invited, and accepted, to participate as the Faroese representative in a group on marine pollution in Iceland. This is a project under Nordisk Ministerråd (Nordic Minister Council) from 2014 to 2015.

Worked for the Faroese Environmental Agency in 2013, developing a database and excel sheet sorting methods giving an overview over-, and access to all their scientific data from one place.

Was in charge of the RAMSAR Atlantic Puffin Census Program arranged by the Faroese Museum of Natural History from June to August, 2013 on Mykines, the Faroe Islands.

Participated in a European Storm Petrel Census Program arranged by the Faroese Museum of Natural History from June to September, 2013 on Nólsoy, in the Faroe Islands. This is home to the world's largest colony of this species.

Was a field assistant in the project "Thermal adaptation in odonates" from 1 to 24 March 2013 in South Africa, for the Experimental Evolution, Ecology and Behaviour (EXEB) Group based at Lund University, Sweden.

Was invited, and accepted, to participate as a North-East Atlantic expert and the Faroese representative in a Nordic group on marine pollution under Nordisk Ministerråd (Nordic Minister Council) from 2012 to 2015. This is a cooperation between Sweden, Norway, Denmark and the Faroe Islands.

Collaboration from 2012-2016 with the project "Physiological effects of plastic loading in northern fulmars, *Fulmarus glacialis*: A comparative study of colonies across a range of latitudes" at University of

Southampton, UK. Parts of this work was presented as a MSc in Marine Biology at University of Southampton.

Collaboration from 2011-2016 with the project "Visual adaptations in Procellariiform seabirds" under the Vision Group at Lunds University, Sweden. Parts of this project was presented as a PhD-thesis at Lunds University on 10 October, 2015.

Participated in the scientific work required for the nomination and acceptance of Mykines, Skúvoy and Nólsoy (Faroe Islands) as RAMSAR areas in 2011 and 2012.

Participated in a bird survey on Skúvoy, Faroe Islands arranged by the Faroese Marine Research Institute in June 2012.

Participated in a European Storm Petrel Census Program arranged by the Faroese Museum of Natural History in June, 2012 on Nólsoy, in the Faroe Islands. This is home to the worlds largest colony of this species.

Participated in a Atlanti Puffin Census Program arranged by the Faroese Museum of Natural History in June, 2012 on Mykines, the Faroe Islands.

Employed at the Faroese Marine Research Institute on the project "The diet of mackerel (*Scomber scombrus*) in Faroese waters" from January 2012 to January 2013.

Participated in a Atlantic Puffin Census Program arranged by the Faroese Museum of Natural History on the 12 July, 2011 on Mykines, the Faroe Islands.

Was field and lab. assistant for Dr. Dánjal Petur Højgaard during his Post-Doc research in 2011, about parasites in fish (Saithe, *Pollachius virens*) inside and outside Salmon fish farms on the Faroe Islands.

Involved in a rat extermination project on the Faroe Islands from 2010 to present. As part of the project Dr. James Russell, specialist on invasive species on islands, demonstrated various techniques on the island of Nólsoy, to find out if rats were present. This was presented in the 19:00 news on the Faroese National Television (Kringvarpið) on June 16, 2011.

Was field and lab. assistant regarding the evolution and population ecology of Damsel flies for Erik Svensson's Research Laboratory, Lund University, Ecology Department, Spring and Summer, 2009.
<http://svenssonresearchlaboratory.blogspot.com>

Took care of the bats used for experiments in the wind tunnel at the Ecology Building, Lund University, in spring 2008.

Helped The Faroese Museum of Natural History with the satellite tagging of 7 pilot whales in Sandavági, Faroe Islands 25 August, 2004.

Worked in the Environmental department at the Faroese Food- Veterinary and Environmental Agency from March 2002 to August 2003. Mostly on Coastal Resources and Prioritisation Maps where I made GIS maps of the sensitivity of the Faroese coastline regarding a potential oil pollution and mapped the various sea-bottom types around the Faroe Islands. I also worked on various projects regarding the effect of "old" known pollutants but also the effect of "newer" pollutants.

Took part in the North Atlantic Surface Survey from June 27 – July 25, 2001 (NASS-2001).

Worked with Professor Dorete Block as a field assistant in ecology for the Faroese University, in 2000.

Worked for the Faroese museum of Natural history in 2000, on starting a long-term project about the vegetation on the Faroe Islands and the impact of grazing by sheep on the vegetation.

Worked as custodian in the Faroese museum of Natural history in 1999.

Worked with biologist Siggú Rasmussen as a laboratory assistant in plant physiology for the Faroese University, 1999.

Was on an expedition with the Faroese research vessel "Magnus Heinason" in 1998.

Teaching experience

Assistant Professor at the Faroese University from 2016-2018. This was a 50/50 research and teaching position that gave me a lot of experience in both course planning, teaching, making and grading exams as well as supervising students. In addition, it gave me free hands to design my own research projects as well as participate in any research projects I found interesting.

Lecturer during winter 2015 in the course "Evolution and Animal Form and Function" at the Faroese University "Fróðskaparsetur Føroya". Also participated in the course planning as well as in the making and grading of exams.

Lecturer during winter 2015 in the course “Global warming and the effects on plants and animals” at the Faroese University “Fróðskaparsetur Føroya”. Also participated in the course planning as well as in post course analysis.

Project supervisor in Ecology: “Inter-Specific Competition and Niche Separation among birds in Höör”, by Jonas Olsson and Nicholas Haluska. Lund University, Ecology Department, Spring 2011.

Field supervisor and Seminar tuition in Terrestrial ecology, EXTA01 at Lund University, Ecology Department, Spring 2011.

Field supervisor in Ecology, BIOC02 at Lund University, Ecology Department, Spring 2011.

Field supervisor and Seminar tuition in Ecology, BIOC02 at Lund University, Ecology Department, Autumn 2010.

Field supervisor and Seminar tuition in Ecology, BIOC02 at Lund University, Ecology Department, Autumn 2009.

Field supervisor and Seminar tuition in Terrestrial ecology, TEK010 at Lund University, Ecology Department, Spring 2009.

Field supervisor, Seminar tuition and Project supervisor in Ecology, BIOC02 at Lund University, Ecology Department, Spring 2009.

Presentation of science to the general public

Gave an interview in “Frítíð og Náttúra” for the Faroese National Radio and TV station “Kringvarpið” in May, 2019 about the Northern Fulmar the Greylag goose and the necessity for better surveys and up to date population estimates.

Gave a news interview for the Faroese National Radio and TV station “Kringvarpið” on 5 of April, 2019 about the results from a whole country Greylag goose counts done by volunteers and experts alike during the weekend 23-24 March, 2019.

Gave a 19 o’clock TV news interview for the Faroese National Radio and TV station “Kringvarpið” on 23 November, 2018 about an ongoing Greylag goose project and planned citizen science monitoring scheme.

Gave an interview in “Góðan morgun Føroyar” for the Faroese National Radio and TV station “Kringvarpið” on 23 of November, 2018 about an ongoing Greylag goose project and planned citizen science monitoring scheme.

Gave a news interview for the Faroese National Radio and TV station “Kringvarpið” on 25 of November, 2018 about the results from a whole country Greylag goose counts done by volunteers and experts alike during the weekend 23-25 November.

Gave a newspaper interview for “in.fo” about an ongoing Greylag goose project and planned citizen science monitoring scheme.

Gave an interview for the Faroese National Radio and TV station “Kringvarpið” in September, 2017 about the Northern Fulmar and the population declines observed around us and the therefore possible negative effects hunting has on this species.

Gave an interview for the program “Summarmorgun” at the Faroese National Radio and TV station “Kringvarpið” on the 29 August, 2017. The interview was about the state of the Atlantic Puffin on the RAMSAR island Mykines, how the surveys are done, the reproductive performance and the importance predatory birds might have on a large population of prey.

Gave a 19 o’clock TV news interview for the Faroese National Radio and TV station “Kringvarpið” on the 25 August, 2017 about the state of the Atlantic Puffin on the RAMSAR island Mykines. I am responsible for the survey on this island.

Was interviewed by the largest Faroese newspaper (Dimmalætting nr 22. 8 June, 2017. Three full colour pages) about my current seabird studies using drones, time-lapse cameras and bird migration equipment and about my ambition to make the Faroes a leading seabird research area.

Gave an interview for the Faroese National Radio and TV station “Kringvarpið” on 12 February, 2017 about plastic pollution at sea and what effect it has on marine life, including seabirds.

Gave a 19 o’clock TV news interview for the Faroese National Radio and TV station “Kringvarpið” on the 12 July, 2016 about GLS tagging of the Faroese Common Guillemot as part of the SEATRACK project.

Gave a 19 o’clock TV news interview for the Faroese National Radio and TV station “Kringvarpið” on the 28 June, 2016 about GLS tagging of the Faroese Common Eider as part of the SEATRACK project.

Was a co-producer of a recruitment movie for the Faroese University in 2016, helping with planning, production and filming with a DJI 3 professional drone. This movie got a lot of public attention

and was seen on most social media. Whether or not this had any impact or not is hard to say but recruitment numbers in the natural sciences the following term had never been as high before.

Gave a 12 o'clock news Live interview for the Faroese Radio station "Rás 2" on the 24 September, 2015 about my presentations on the Faroese World Science Day "Vísundavøkan" and the general conditions for a scientist on the Faroe Islands.

Gave a 19 o'clock news interview for the Faroese National Radio and TV station "Kringvarpið" on the 21 September, 2015 about the state of the Atlantic Puffin on the Faroe Islands and about the RAMSAR seabird monitoring scheme on Mykines.

Gave a 19 o'clock news interview for the Faroese National Radio and TV station "Kringvarpið" in April 2015 about our National Bird the Oystercatcher.

Gave a 12 o'clock news Live interview for the Faroese Radio station "Rás 2" on the 30 May, 2013 about my satellite transmitter postdoc "Satellite tracking of the Northern Fulmar (*Fulmarus glacialis*) on the Faroe Islands" and the funding received from the Faroese Research Council (Granskingarráðið) to this project.

Was interviewed 30 May, 2013, by the Faroese National Radio and TV station "Kringvarpið" about my satellite transmitter postdoc "Satellite tracking of the Northern Fulmar (*Fulmarus glacialis*) on the Faroe Islands" and the funding received from the Faroese Research Council (Granskingarráðið) to this project.

Explained the various research activities at Havstovan (The Faroese Marine Research Institute) to the public at the "Vísundavøkuni" (Faroese World Science Day) 27-28 September 2012 on the Faroe Islands. Was also interviewed by the National Faroese Television and the National Radio. Vísundavøkan is an initiative aiming at explaining to the public about the various research activities on the Faroe Islands.

Was elected a board-member in the Faroese Academic Union (Fróskaparfelagið) from 2012-present. One of the main responsibilities is the publication of the journal "Frøði" which publishes scientific research for the general public. The board-members are also in the editorial board.

Was interviewed the 23 June, 2011 by the Faroese National Television (Kringvarpið) for the 19:00 news, about the findings of my PhD-project and how it could be used by laymen and scientists.

Collaborated with the international project Save the North Sea during my PhD and onward. This project is about plastic pollution of Fulmars in the North Sea with the Faroe Islands as reference area. With 327 national public events, in 16 different regions and in 13 different countries from 2002 to 2010 as well as 23 international public events this project has done an exceptionally good job at informing the public and raising the interest and concern for marine pollution on a local, as well as on a regional and international level. These events include e.g. newspaper articles in Der Spiegel, The Guardian and The Herald and several other newspapers, as well as TV documentaries and radio interviews (on e.g. BBC and Reuters). Personally I have been interviewed in Faroese national TV and newspapers as well as presenting results from the work for the general public. Further information can be had at: <http://www.imares.wur.nl/UK/research/dossiers/plastic/>

Gave an interview to the Faroese radio about my work with the Fulmar, May 2006.

Had a presentation in Bohuslans museum, Uddevalla, Sweden, 19 March 2006, about my work on the Oystercatcher (2001) and the Fulmar (PhD-study).

Had a presentation in a public school in Tórshavn, Faroe Islands, about plastic pollution at sea and the effects it has on marine mammals and birds. 2006.

Was interviewed by the Faroese television about plastics in Fulmar stomachs, 1 December 2005.

Had a presentation in the public school in Kollafjørður, Faroe Islands, about the Oystercatcher and my thesis. 2001.

Gave an interview to the radio station "Rás 2" about my thesis: Reproductive performance in a population of individually marked Oystercatchers (*Haematopus Ostralegus*) on the Faroe Islands. 2001.

Gave an interview to "Dimmalætting" one of the largest newspapers on the Faroes about my thesis. 2001.

Had a public presentation about spectrophotometry in the Faroese University in 1998.

Biological and academic organizations

Was elected chairman for the Faroese biologist union (Lívfrøðingafelagið), 2014-2015.

Was elected 2. chair for the Faroese biologist union (Lívfrøðingafelagið), 2013-2014.

Was elected a board-member in the Faroese Academic Union (Fróskaparfelagið) from 2012-2015. One of the main responsibilities is the publication of the journal “Frøði” which publishes scientific research for the general public. The board-members are also in the editorial board.

Was elected 2. chair for the Faroese Ornithological Union (Fuglafrøðifelagið) from March, 2012-2014. One of the main responsibilities is the publication of the journal “Veingjasuð” which publishes “bird oriented work” for the general public. The board-members are also in the editorial board.

Was elected chairman for the Faroese biologist union (Lívfrøðingafelagið), 2010-2011.

Have been a member of the Entomological Society “Insektscirkeln” in Lund, Sweden since 2011.

Was the main founder of the first Faroese biologist union (Lívfrøðingafelagið), where I also had the chair the first year 2007-2008.

Was a board-member in the Faroese Academic Union (Fróskaparfelagið) from 2005-2007.

Have been a member in the Faroese Academic Union and the Faroese Ornithological Union since 2004 and in the Faroese biologist union since 2007.

Received Funds

| Date | From | Usage | Amount |
|-----------------|--|--|----------------|
| 28 October 2003 | Amerada Hess | VIP Salary (PhD) | 500.000,00 DKR |
| 01 June 2004 | Føroya Sparikassa | Compass Logger equipment | 30.000,00 DKR |
| September 2004 | Shell/BP Amoco Exploration Ltd. | Seabird Conference on Madeira | 5.000,00 DKR |
| February 2005 | Føroya Sparikassa | Introductory course for PhD-students in Lund, Sweden | 20.000,00 DKR |
| 2005 | Atlanticon | VIP Salary (PhD) | 149.665,00 DKR |
| May 2005 | Amerada Hess | Equipment and VIP Salary (PhD) | 370.000,00 DKR |
| 2005 | Kungl. Fysiografiska Selskabet | GIS-loggers | 60.000,00 SEK |
| 2006 - 2008 | Lunds Universitet | Stipend for 2 years salary | |
| 2008 | Føroya Sparikassa | Living costs while writing the thesis | 17.000 DKR |
| 2009 | Chevron | Living costs while writing the thesis | 30.000 DKR |
| 2012 | Statoil | Post-Doc | 300.000,00 DKR |
| 2013 | Granskingarráðið (Faroese Research Council) | Post-Doc | 809.180,00 DKR |
| 2014 | Lund University | Stipend for a seabird vision study in collaboration with the Vision Group | 23.000,00 SEK |