

## LISE ØVREÅS – Curriculum Vitae

### PERSONAL DATA

Born: 19. June 1965. Married, Two children (born 08.08.94 and 15.06.98)  
Professor, Dr. Scient.  
Department of Biological Sciences, University of Bergen,  
Thormøhlensgate 53B, N-5020 Bergen, Norway.  
Phone: +(47) 55582675 (office), Mobile +(47) 99236392  
Associate professor at The University Center at Svalbard (UNIS)  
E-mail: [lise.ovreas@uib.no](mailto:lise.ovreas@uib.no)



### EDUCATION

1998 Ph.D in Microbiology (Dr.Scient), University of Bergen (UiB).  
1992 Pedagogic Exam (certification). Instructional Theory and Practice for teacher education  
1991 Master of Science in Microbiology (Cand. Scient.) UiB  
1986 Bioengineer, authorized, Fysiokjemikerhøgskolen in Bergen.

### POSITIONS/WORKING EXPERIENCE

2019 - Academic director, Ocean Sustainability Bergen, University of Bergen (UiB), Norway  
2016 - Professor II, UNIS, The University Center at Svalbard  
2015 – 2016 Vice-Head of Department for Biology, University of Bergen  
2012 – 2013 Visiting Fulbright Arctic Chair at Lawrence Berkeley National Laboratory, Berkeley, California, USA  
2010 - 2014 Dean of Research of Faculty of Mathematic and Natural Sciences, University of Bergen  
2007 – 2011 Group leader Geomicrobiology CoE  
2007- present Professor in Geomicrobiology, Dept. of Biology, University of Bergen  
2006 - 2007 Associate professor in Geomicrobiology, Dept. of Biology, University of Bergen  
1997 - 2005 Research scientists on EU and NFR funded project, Unifob/University of Bergen  
1993 - 1996 Ph.D. student, Dept of microbiology, University of Bergen.  
1992 Research assistant on NFR funded project, Dept of microbiology, University of Bergen  
1986- 1989 Bioengineer at the Lab. for Clin.Biochem. Haukeland Hospital, Bergen.

### SUPERVISION

30 students with finished Cand.Scient / master thesis, 14 students with finished PhD degree and 1 PhD student in progress. 7 post docs and 5 Erasmus exchange students

### TEACHING

2014 - Course responsible AB327/827 Arctic microbiology at UNIS  
2004 - 2019 Teaching Microbial Ecology course (BIO217/MIC 202) University of Bergen  
2004 - 2009 Teaching Geomicrobiology course (Geol 341/344) University of Bergen  
2002 - Teaching at UNIS course AB307/AB327 "Arctic microbiology"  
2002 Teacher at NorFA course "The deep biosphere" University of Bergen  
2002 Teacher at NorFA course "Particle Analyses and Aquatic Microbial Communities, University of Bergen  
1999 - 2000 Teaching Basal genetics, at the University of Bergen. (B100 and B101)  
1997 Teacher at NorFA course "Microbial Activity and Diversity in Aquatic Interfaces" University of Bergen  
1991 Assistance teacher at Lab course in Microbial Genetics  
1990 Seminar leader in B105 Cellular Biology

### APPOINTED MEMBER OF BOARDS AND COMMITTEES

- Member of the National Committee for the Ocean decade appointed by RCN (2021 – 2030)
- Board member at UNIS (University Center at Svalbard)
- Member of Redelighetsutvalget at UiB (2020- )
- Board member National Academy of Science and Letters, (DNVA) Norway (2017 – 2020)
- National representative (Norway) in European Academies Science Advisory Council (EASAC) (2018)
- Board member, National Prizes at Olav Thon Foundation (2014 – 2023)
- Appointed to lead search committee for external Board leader for Faculty of Mathematic and Natural Sciences (2018)
- VISTA board member (Statoil and Norwegian academy of science) 2015 - 2021
- Committee to appoint members to the newly established young academy of science (Akademiet)
- Member of NENT (The national Committee for Research Ethics in Science and Technology) 2014 - 2021
- Vice Dean at Faculty of Mathematical and natural Sciences 2010 – 2014
- Board Member Industrilaboratoriet (ILAB) 2010- 2014
- Board Member UNIS (University Center at Svalbard) 2010 - 2015

- Associate member Board of directors Bjerknessenteret 2010 – 2012
- Associate member of the Board of directors Nansensenteret 2010 - 2015
- Board of Molecular and computational Biology Research School, University of Bergen (2009 – 2014)
- Board of National Plant Biology Focused Science in Norway (Plantenetverket)
- Member of science education board (Arctic Biology) at Svalbard Science Centre (UNIS) 2006 – 2010
- Deputy Board Leader Uni-Research, Bergen 2006 – 2010
- Member of a board to oversee the responsibilities for equality of gender status for UNIFOB 2006 – 2007
- Member of the Board of Directors for Universitetsforskning Bergen (UNIFOB) 2005 – 2006.
- Member of a board to oversee a strategic plan for communication skills and outreach appointed by the UoB
- Appointed member of committees for 9 PhD students at University of Bergen
- Member on a board to oversees the organisation of a new department of biology UoB (2003).
- Board member at Faculty of Mathematics and Natural Sciences at UoB (1993-94, 1999 –00, and 2002-2003).
- Member of Science education Board at UiB (99-00).
- Board member at Department of Microbiology, UiB (1993-1994)

### PROJECT MANAGEMENT

2021 – 2024	TERRA – Thawing permafrost in the High Arctic: Understanding climate, herbivore and belowground feedbacks. PI (NRC, FRIPRO)
2021 – 2024	Flushing into the Ocean: Antibiotic resistance in the marine environment. Co-PI, RCN
2020 – 2024	FUNDER: Climate impacts on the functioning of the plant-soil food web – Co-PI - RCN
2019 – 2023	CLIMAGAS: Climatic forcing of terrestrial methane escape through permafrost, Co-PI, RCN
2015 – 2018	CoPI ERANetLac project CavICE. Cave Ice microbiome: metabolic diversity and activity in response to climate dynamics and anthropogenic pollution
2012 – 2015	Project leader Microorganisms in the arctic: major drivers of biogeochemical cycles and climate Change, NFR funded project on the Polar research program.
2011 – 2015	Vice Chair of the EU COST network <i>“Microbial ecology &amp; the earth system: collaborating for insight and success with the new generation of sequencing tools”</i> with more than 19 country members
2010 – 2014	National partner on NorFA funded network NENUN
2010- 2013	Project leader MicVirEcolHotSprings Marie Curie FP7 People program EU
2007 - 2010	Group leader for “The Deep Biosphere” at COE in Geobiology at UiB.
2007	Project leader for the EU funded ARCFAC project “Microbial diversity of Ny-Ålesund soils”
2007-2012	Project coordinator for NUFU project “Biotechnology and Microbial Diversity of Ethiopian Soda Lakes” Funded by NFR, with partners from Ethiopia and South Africa.
2005-2006	Co-leader of the project “Microbial diversity and bioremediation in biological clean up system at Mongstad” funded by Statoil Mongstad.
2004-2006	Co-leader of the project “The Deep Biosphere of the Ocean Crust” funded by RCN.
2002-2005.	National coordinator of the EU-project “Microbial Marine Community Diversity: from culture to function” MIRACLE (8 partners)
2002-2004	Co-coordinator of the NorFA network “Microbial ecology and bioremediation in cold climate” MECBIO (6 partners)
2001-2003	Project leader “Oil pollution in the Arctic and its effect on microbial diversity and ecology” funded by RCN.
1997-2000	Project leader “Diversity of soil bacteria at various climatic conditions”, RCN.

### REFEREE OF SCIENTIFIC PAPERS AND APPLICATIONS:

- Editorial Board member on Systematic and Applied Microbiology (2021 - )
- Part of international evaluation panel for “Clusterproject” by The Hessen Minister of Science, Germany 2020
- Member of evaluation project for “Wallebnberg foundations” Sweden 2015 - 2018
- Editorial Board member on FEMS Microbiology Ecology 2015 -
- Editorial Board member on Scientific Report Nature publishing Group 2011 – 2021
- Editorial board member on Frontiers in Microbiology 2011 - 2021
- Referee of scientific papers in the following international journals; Aquatic microbial Ecology, FEMS Microbiology Ecology, Microbial Ecology, Ecology Letters, Soil Biology and Biochemistry, Journal of Geomicrobiology, European journal of soil Biology and Polar Biology.
- Reviewed several proposals for the UK Natural Environmental Research Council (Science foundations), for the Swiss National Science Foundation. (SNSF), and for National Science Foundation (NSF), USA.

### SCIENTIFIC AWARDS:

2020	Nansen Minneforelsening. October 2020 Antibiotika resistens og jakten på nye medisiner
2012	Fulbright Arctic Chair

- 2002 Poster prize at 8th symposium on Aquatic Microbial Ecology 25-30 October in Messina, Italy.
- 2002 T.Ellingsen Memory award. (DYNAL and SINTEF kjemi)
- 1996 Best oral presentation "Use of DGGE (Denaturant Gradient Gel Electrophoresis) for monitoring bacterial population dynamics in environmental samples". at the 5th international symposium on bacterial genetics and ecology. BAGECO 5, Nafplion, Greece. May 1996.
- 1993 Poster prize "Use of molecular techniques to study bacterial community DNA isolated from soil samples" at the 4th international symposium on bacterial genetics and ecology. Bageco 4, Wageningen 1993.

#### **FURTHER ESTEEM INDICATORS**

- Member of the Norwegian Academy of Technological Sciences since 2014
- Member of the Norwegian Academy of Sciences and Letters (Det norske vitenskapsakademi) since 2013
- Member of Royal Society working group in Biological Diversity (UK)
- Member of National Center for Ecology Analyses and Syntheses (NCEAS) working group on Microbial Biodiversity (USA)
- Norway's Ambassador for International Society for Microbial Ecology (2012 - )

#### **INTERNATIONAL RESEARCH STAYS**

##### **Porto University, Portugal**

2018 Visiting professor in Prof. Olga Lages group. (3 months)

##### **Andalusian Center for Developmental Biology (CABD) Pablo de Olavide University (UPO) Spain**

2017 Visiting Dr. Damien Devos group in Sevilla, Spain. (3 months)

##### **Lawrence Berkeley National Laboratory, California, USA**

2012 – 2013 Visiting professor in Janet Janssons Group as Fulbright Arctic Chair

##### **University of Pretoria, South Africa**

2003 Collaboration and research visit at the Department of Microbiology and Plant Pathology, University of Pretoria, South Africa

##### **National institute of advanced and industrial science technology Japan**

2001 Research visit at National Institute of Advanced Industrial Science and Technology (AIST), TSUKUBA, JAPAN.

##### **Purdue University, Indiana, USA**

2001 Working on RT-PCR to determine biodegradation genes from community DNA  
 1997 Working on analysis of microbial community structure using molecular genetic methods (Invited).

##### **Michigan State University, East Lansing, USA**

1993 Research stay at Centre for Microbial Ecology for 3 ½ month.  
 Working on the group "Community Diversity Thrust Group", to learn new molecular biology techniques applied on community DNA extracted from soil environment.

#### **FIELD WORK/CRUISES**

- 2021 3 weeks fieldwork in Adventdalen, Reindalen and Grøndalen at Svalbard (winter)
- 2019 4 weeks of research Cruise in Barents Sea wit Kronprins Haakon at Nansen Legacy
- 2019 1 week of fieldwork in Atacam desert in Chile (4000masl)
- 2018 3 weeks fieldwork in Bjørndalen, Adventdalen, Sassendalen and Kapp Linne at Svalbard
- 2017 1 week fieldwork in Svarthamarhol, Fauske Norway
- 2016 4 weeks of fieldwork Svalbard
- 2015 3 Weeks fieldwork in Ny-Ålesund June-July
- 2014 9 days Cruise in Polar Ocean
- 2012 5 days Arctic cruise in Svalbard
- 2010 1 week fieldwork in Svalbard,
- 2010 1 week fieldwork in RioTinto Spain
- 2009 4 weeks cruise in hydrothermal vent area in the Lau Basin, Pacific Ocean
- 2008 2 weeks cruise in the Norwegian Greenland Sea (H<sub>2</sub>DEEP)
- 2007 Arctic fieldwork in Ny-Ålesund
- 2007 3 weeks cruise in the Norwegian Greenland Sea (H<sub>2</sub>DEEP)
- 2007 - 2012 3 weeks Field work in Ethiopian Rift Valley, Etiopia. (NUFU) each year.
- 2006 3 weeks cruise in the Norwegian Greenland Sea. (BIODEEP).

2005 Fieldwork at the Greenland Ice-Cap (MECBIO)  
2001 – 2004 Arctic fieldwork during summer seasons to remote places as Svea and Bolterdalen (Oil pollution in Arctic)  
2000 2 weeks fieldwork with mesocosm experiments in Isefjorden, Denmark (MIDAS)  
1999 2 weeks fieldwork at the Santa Pola Solar Salterns in Alicante, Spain (MIDAS)

## **PUBLICATIONS**

### **JOURNAL PUBLICATION METRICS**

68 Publications (ISI database), H factor =35, Average citations per paper=125. One paper cited 1478 times, two papers cited more than 900 times and one papers cited 694 times. Total citations: 8247. 94 publications (Google Scholar), H-index 40, total citations 13749.  
9 book chapters

## **PRESENTATIONS AND PUBLIC OUTREACH**

More than 120 oral presentations (national and international)  
More than 80 poster presentations (national and international)

## **SUPERVISION**

30 Cand.Scient. and master students, 15 PhD student (2 in progress), 7 Post Docs (1 in progress), 7 Erasmus exchange students (Germany, Spain and The Netherlands) and 2 lab technicians

**Opponents for 14 PhD candidates throughout the world** (Australia, Sweden, Germany, Finland, The Netherlands, Denmark, South Africa, and Norway)

## **ORGANISATION OF INTERNATIONAL MEETINGS AND CONFERENCES.**

**2021** Responsible for Planctomycetes, Verrucomicrobia and Clamydia conference (PVC5) in Bergen in May with 80 international participants  
**2021** Responsible for one of the parallel session in the SDG-Bergen conference with more than 2000 participants from more than 100 different countries represented  
**2020** Responsible for the Ocean Sustainability Bergen conference at University of Bergen, November 2020 with more than 250 participants  
**2019** Responsible for the Ocean Sustainability Bergen conference at University of Bergen in October 2019 with 140 participants  
**2013** Responsible for hosting the COST network on "Collaboration for insight in microbial ecology at University of Bergen. 45 participants attended the meeting.  
**2002** Member of organising committee to host the Bacterial and Genetics and ecology (BAGECO7) in June 2002 in Bergen. More than 150 international participants