

Curriculum vitae of pedagogic activities 2009-2017

PERSONAL INFORMATION

Family name, First name: **Aschan, Michaela**

Nationality: Finnish

Date of birth: July 3, 1960

URL for UiT web site:

https://en.uit.no/om/enhet/ansatte/person?p_document_id=41387&p_dimension_id=88163

URL for citations:

<http://scholar.google.no/citations?user=4SO5wlkAAAAJ&hl=no>

URL for pedagogical portfolio

<http://digitalmappe.uit.no/aschan/>

My teaching philosophy: Learning is a lifelong process where we need to utilize all our dimensions (cognitive, emotional, and social) and abilities as individuals. This includes deep learning over time, combined with broad learning across subject fields.

• CURRENT POSITION(S) (May 2017)

- 2006 – Professor in Fisheries biology and management (50% since 2009)
The Norwegian College of Fishery Science, UiT - The Arctic University of Norway
- 2009 – Vice Dean with responsibility for Science (50% position), the Faculty of Biosciences, Fisheries and Economics, University of Tromsø, Norway

• EDUCATION

- 2009 Competency for full professorship in fisheries biology and management, UiT
- 1998 Competency as associate professor, University of Tromsø
- 1989 Phil. Lis. University of Helsinki evaluated as PhD in Norway
- 1985 Master of Science, Ecology (Zoology, botany, geography, statistics, philosophy)
University of Helsinki, Finland

• PEDAGOGIC EDUCATION

- 2014 Cultural awareness in academic supervision, lectures by M. Borit, RESULT, UiT
- 2013 Supervision of scientists, "Forskningsveiledning", RESULT, UiT
- 2011 Development of research supervisors, "Vägar till bra handledning: Utbildning av forskarhandledare – från ett institutionellt perspektiv", Karin Ågren, Umeå University, Workshop at UiT (01.11)
- 2010-2011 Dean School, Norwegian Association of Higher Education Institutions (UHR)
- 2009 Communication through lectures, IPLU, UiT
- 2006–2007 University Pedagogics PFF-3600, IPLU, UiT
 - Teaching in higher education
 - Evaluation of student work
 - Evaluation of teaching
 - Supervision of thesis
- 2006 Design Your Life - NLP coaching seminar, The Paradigm Academy

- **PROFESSIONAL DEVELOPMENT**

- 2017 Application for Pedagogic portfolio for further qualification as excellent teacher
- 2016 Course development and student evaluation of "Funding your research" FSK-8005
- 2016 The "Slusen" colleague evaluation project at UiT (four evaluations)
- 2013 Colleague evaluation during course in "Forskningsveiledning", by A. Bayer
- 2011 – Train the trainees "Forskningsveilednings tiltak" at BFE and UiT
- 2009 – Continuous colleague evaluation in the BRIDGE research group, Borit and Frainer
- Continuous colleague and student evaluation in the courses: "Philosophy and Ethics of Science" FSK-8006 (now SVF-8600), and "Funding your research" FSK-8005
- 2009 – Students evaluating students, "Bruk av medelevevaluering", training writing skills and peer review
- 2006 Pedagogic portfolio developed with the following content:
 1. Min undervisningserfaring og intensjon,
 2. Om å undervise på universitetet og høyskoler med utgangspunkt i min egen erfaring og læring som foreleser. Including UPS supervision of Michaela Aschan, by Malcolm Jobling
 3. Vurdering av studenter og eksamensamensarbeid
 4. Studentevaluering av undervisningen.
 5. Veiledning av studenter i arbeid med skriftlige oppgaver.
 6. Mine erfaringer ved å delta på universitetspedagogisk seminar

- **PARTICIPATION AT WORKSHOPS**

- 2017 Workshop with colleagues on how to become an excellent teacher, April
- 2017 Workshop on how to write live action role-plays (LARPs), Peaky, UK, April
- 2017 SimFish workshop Tromsø, January
- 2016 SimFish workshop Netherlands, November
- 2015 Cultural dimensions in the BRIDGE group with Borit and Sjaak Pappe, February

- **GRANTS AND AWARDS**

- 2017 Nominated to UiT "Likestillingsprisen" by BFE
- 2016 Received the BFE "Utdanningsprisen" for SimFishwith colleagues Tveiterås, Holm, Finstad, Borit, Esaiassen, Hovda for innovative development for teaching quality
- 2015 Nominated to UiT "Likestillingsprisen" with Høydal by BFE
- 2015 UiT (Fyrtårn) and NUV grant: SimFish Innovative interdisciplinary learning in fisheries and aquaculture
- 2014 EU grant: SAF21 Social Science Aspects of Fisheries for the 21st Century Horizon2020 Marie Skłodowska-Curie MSCA-ETN programme (project 642080).

- **TEACHING AT ALL LEVELS** (see attached excel sheets for details)

Recruitment of students:

- 2010 – Information about studies at UiT through utdanning.no, Facebook, newspapers, video
- 2010 – Sommerlyst secondary school one day event each fall inspiring students to make posters to present at the Arctic Frontiers conference (led by Primicerio)

Bachelor's:

- 2010 – Lectures (46) and seminars (21) in BIO-1101 and BIO-1501

Master's:

- 2010 – Lectures (70) and seminars/computer labs (30) in FSK-3006. Formally course responsible, but most of the coordination done by Borit
- 2010 – 2015 Lectures (12) in FSK-3557

PhD:

- 2011 – Lectures (32) and seminars (56) in FSK-8603/SVF-8600 Philosophy and Ethics of Science; initiator of the course
- 2016 – Lectures (4) and seminars (4) in FSK-8005 Funding your research; course responsible

• **TEACHING MATERIAL** (all available at request)

Lectures documented as PowerPoint slides, written documents and videos.
Seminar plans and questions (in Fronter)

• **GAMES AND TOOLS FOR EDUCATION AND RESEARCH**

- 2016 – Live action role-playing game on Fisheries science and ethics (in development)
- 2016 – 2017 SimFish material and games (e.g Simnesia)
- 2012 – 2016 MareFrame training and decision support tools
- 2010 – 2014 EcoFishMan game (developed and implemented)

• **SUPERVISION OF BACHELOR'S AND MASTER'S STUDENTS**

Bachelor's students:

- 2006 – 2017 Approximately 40 term papers on marine resources in BIO-1101

Master's students:

- 2013 – 2014 Charlotte Theresa Weber: Shape matters: Ecomorphology Informs on Functional Traits and Diversity of Barents Sea Fish, Master of Science in Marine Biodiversity and Conservation within the ERASMUS MUNDUS Master Program EMBC
- 2013 – 2014 Ixai Salvo: Approach to the 2014 discard ban in the EU Common Fisheries Policy and trials with bycatch reducing trawl techniques (co-supervision with R. Larsen).

• **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

PhD:

- 2016 – Charlotte Weber, co-supervisor with Borit
Theodora Sam, co-supervisor with Borit
- 2011 – 2015 Magnus Aune Wiedman, supervisor with Primicerio
- 2012 – 2016 Susanne Kortsch, supervisor with Primicerio
Mbatchi Msomphora, co-supervisor with Holm until 2014
- 2010 – 2012 Nina Bersås (no dissertation), supervisor with Primicerio

Postdoctoral fellows:

- 2017 – 2020 Thuy Pham Thi Thanh, Fisheries management and decision support tools
- 2016 – 2020 Marie-Anne Blanchet, Population biology and modelling
- 2014 – 2018 André Fainer, Marine ecology and ecosystem based management
- 2012 – 2014 Kåre N. Nielsen, Fisheries Management

• **MENTORING OF EXPERIENCED RESEARCHERS**

- 2017 – Bjørn-Petter Finstad, with PhD supervision
- 2015 – Shona Wood, towards TSF and ERC applications
- 2016 – Andrea Mannberg, towards young scientist and ERC applications
- 2014 – 2015 Laura Jaakola, towards professor and ERC applications
- 2012 – 2014 Elisabeth Cooper, towards professor application
- 2010 – Supervision on several professor applications

- **WORKSHOPS ADVANCING HIGHER EDUCATION AS LECTURER/FACILITATOR**

- 2017 Career development stage II for PhD fellows, SAF21 Training Camp, UiT, June (12 pers.)
- 2017 Oppsummering av Nasjonal undersøkelse og forslag til tiltak som bidrar til bedre ph.d utdanning og gjennomstrømning. Kvalitet i ph.d.-utdanningen – Workshop under Nasjonal forskerutdanningskonferanse 7-8.06. Sommarøy. (100 pers.)
- 2016 Professor qualification for female researchers at UiT “Opprykksprogrammet 2016-2018”, 28.11. Tromsø (60 pers.)
- 2015 Career development stage I for PhD fellows, SAF21 Training Camp, UiT, February (12 pers.)
- 2015 Career development for Postdoctoral fellows and researchers, UiT (10 pers.)
- 2015 «Karriereløp, opprykk til professor - hva skal til?» lecture and discussions HelseFak (50 pers.)
- 2012 Professor qualification for female researchers at UiT “Opprykksprogrammet 2010-2013” (15 pers.)
- 2010 Professor qualification for female researchers at UiT “Opprykksprogrammet 2010-2013” (65 pers.)

- **EVALUATIONS OF PEERS AND STUDENTS**

- 2015 – Senior researcher evaluation of E. Olsen
- 2012 – Adjunct professor evaluations of B. Herrmann
- 2010 Evaluation committee with Øyvind Ytreberg for Pedagogical Portfolio by Borit
- 2010 – Evaluation of school exams BIO-1101 and BIO-1501, essays home exams FSK-3006 and FSK-8603
- 2010– Chair of evaluation committees for PhD e.g. thesis M. Sistiaga and A.M. Hjeset

- **INSTITUTIONAL RESPONSIBILITIES RELEVANT FOR EDUCATION**

- 2014 – Member of the editorial board of FramForum
- 2012 – Leader of project on increased education in Fisheries management cooperation between the Institute of Marine Research and BFE (NFH and AMB)
- 2010 – Member of the Science leader group (FLG) at the FRAM centre, Norway
- 2010 – Member of the funding group and board of the High North Academy
- 2009 – Observer in the board of the ARCTOS - Arctic Marine Ecosystem research Network
- 2009 – Member of the Science Strategy Committee at UiT the Arctic University of Tromsø
- 2009 – Member of the team of leaders (ILM) at the Faculty of Biosciences, Fisheries and Economics, UiT - The Arctic University of Tromsø
- 2009 – Leader of the research committee (FU) at the Faculty of Biosciences, Fisheries and Economics, UiT - The Arctic University of Tromsø
- 2009 – Representative for BFE, UiT at the National Faculty Meeting for Science (NFmR, UHR)
- 2009 – Deputy leader and member of the Appointment (TU) at the Faculty of Biosciences, Fisheries and Economics, UiT - The Arctic University of Tromsø
- 2009 – 2013 Deputy of the Pedagogic committee “Programstyret for fagområdet universitetspedagogikk”, University of Tromsø

- **MAJOR COLLABORATIONS**

EU-projects with significant training and capacity building tasks: Development of training and teaching tools, courses and games:

- 2017 – WP leader in Horizon2020 project FarFish
- 2016 – Coordinator of Horizon2020 project ClimeFish (ClimeFish.eu)
- 2015 – Partner in Horizon2020 project DiscardLess
- 2008 – 2012 WP leader in Framework 7 collaborative projects MareFrame and EcoFishMan

1988 – Member of the science community of the International Council of the Exploration of the Seas providing e.g. access to course concepts and games

EU project training 10 PhD students across Europe:

2015 – Scientific leader of SAF21 Social Science Aspects of Fisheries for the 21st Century Horizon2020 Marie Skłodowska-Curie MSCA-ETN programme (project 642080).

2015– Other projects applied for but not funded, yet they provide network for future proposals

Other collaboration on education development:

2013 –2015 Lecturer at web based course MSM 6009 - Current Issues in Sustainable Fisheries led by Memorial University of Newfoundland (MUN) and universities of Akureyri, Alaska and Turku, Finland participating.

2016– Lyne Morissette, Canada, EcoPath training course for scientists for Master's and PhD course in 2017, arranged in cooperation with Torstein Pedersen and Marie-Anne Blanchet. UiT membership in the Ecopath consortium.

2017 – Ingrid van Putten, Australia and Dorothy Dankel, Norway, in building multidisciplinary teaching arenas to prepare postgraduate students capacity to contribute to climate change adaptation

2010 – Steve X. Cardin University of Massachusetts, USA on building fisheries management courses at UiT

• **PEDAGOGIC PRESENTATIONS AT CONFERENCES**

Johansen, Borit, **Aschan**, 2017. Improving fisheries human capital through interdisciplinary doctoral training. Session: Fisheries management training tool at World Seafood Congress 10-13.09. Reykjavik

Aschan, 2017. Disputas i tide! Suksess historien ved BFE-fak. Kvalitet i ph.d.-utdanningen- Nasjonal forskerutdanningskonferanse 7-8.06. Sommarøy. **Invited speaker**

Holm, Borit, Tveiterås, Weines, Esaiassen, Finstad, **Aschan**, 2017. SimFish: Spill som tverrfaglig læringsmetode. Læringsfestivalen 8-9.05. Trondheim

Weber, Borit, **Aschan**, 2017. Innovative PhD Training within an MSCA ETN, Eurodoc Conference, 26-29.04. Oslo.

Borit, **Aschan**, Santos, 2014. Suggestion on best practices for teachers and administrative staff working in multicultural environments in higher education – Lessons learned from a Master program in International Fisheries Management. NTNU's Diversity Conference 17.09. Trondheim.

• **PEDAGOGIC PAPERS IN PREPARATION**

Lynghammar, Halttunen and **Aschan**, 2017. High North Academy offers PhD candidates work-related skills and competences, submitted to UniPed

Aschan, Good practice in PhD education – lessons learned at UiT the Arctic University of Norway

Holm, **Aschan**, Borit, Esaiassen, Finstad, Esaiassen, Hovda and Tveiterås. Innovative learning in the fisheries and aquaculture studies at UiT the Arctic University of Tromsø

- **COMMISSIONS OF TRUST**

These boards and memberships provide me with networks relevant for both teaching mentoring, and research.

- 2016 – Member of the Seafood Project Alliance, a collection of research groups from a handful of European research organizations
- 2014 – Member of the reference group on Horizon 2020-SC2. The Research Council of Norway
- 2013 – Member of Academia Borealis, the academy of science in Northern Norway
- 2012 – 2014 Member of the reference group on 7th FP-KBBE. The Research Council of Norway
- 2007 – 2011 Scientific expert at Marine Stewardship Council certification of Canadian shrimp stocks, Moody International Certification, Canada
- 2004 – 2009 Member and chair (from 2006) of the NAFO-ICES Pandalus Assessment Working Group for the International Council of the Exploration of the Sea

- **SELECTED PUBLICATIONS**

These publications demonstrate that I am an active scientist, thereby ensuring that my teaching is research based.

- Kortsch, Primicerio, Fossheim, Dolgov, **Aschan**, 2015. Climate change alters the structure of arctic marine food webs due to poleward shifts of boreal generalists. *Proceedings of the Royal Society of London. Biological Sciences* 282 (1814), 20151546.
- Fossheim, Primicerio, Johannesen, Ingvaldsen, **Aschan**, Dolgov. 2015. Recent warming leads to a rapid borealization of fish communities in the Arctic. *Nature Climate Change*. doi: 10.1038/NCLIMATE2647
- Nielsen, Holm, **Aschan**, 2015. Results based management in fisheries: Delegating responsibility to resource users. *Marine Policy*; Volum 51. ISSN 0308-597X.s 442 - 451.s doi: 10.1016/j.marpol.2014.10.007.
- Wiedmann, Primicerio, Dolgov, Ottesen, **Aschan**. 2014. Life history variation in Barents Sea fish: implications for sensitivity to fishing in a changing environment. *Ecology and evolution* 4 (18), 3596-3611
- Wiedmann, **Aschan**, Certain, Dolgov, Greenacre, Johannesen, Planque, Primicerio, 2015. Functional diversity of the Barents Sea fish community. *Marine Ecology Progress Series* 2014; Volum 495. ISSN 0171-8630.s 205 - 218.s doi: 10.3354/meps10558.
- Haug, **Aschan**, Hoel, Johansen, Sundet, 2014. Introduction: Marine harvesting in the Arctic. *ICES Journal of Marine Science* Volum 71 (7). ISSN 1054-3139.s 1932 - 1933.s doi: 10.1093/icesjms/fsu072.
- Planque, Primicerio, Michalsen, **Aschan**, Certain, Dalpadado, Gjørseter, Hansen, Johannesen, Jørgensen, Kolsum, Kortsch, Leclerc, Omli, Skern-Mauritzen, Wiedmann, 2014. Who eats whom in the Barents Sea: a foodweb topology from plankton to whales. *Ecology*; Volum 95 (5). ISSN 0012-9658.s 1430 - 1430.s doi: 10.1890/13-1062.1.
- Aschan**, Fossheim, Greenacre, Primicerio, 2013. Change in Fish Community Structure in the Barents Sea. *PLoS ONE*; Volum 8 (4). ISSN 1932-6203.s doi: 10.1371/journal.pone.0062748.
- Rasmussen, **Aschan**, 2011. Larval stages of *Pandalus borealis*. *Marine Biology Research*: Volum 7 (2). ISSN 1745-1000.s 109 - 121.s doi: 10.1080/17451001003764004.
- Olsen, **Aschan**, 2010. Reference method for analyzing material flow, information flow and information loss in food supply chains. *Trends in Food Science & Technology*; Volum 21 (6). ISSN 0924-2244.s 313 - 320.s doi: 10.1016/j.tifs.2010.03.002.

- **OUTREACH (presentations and interviews)**

Year	Date	Presenter	Title	Type	Event	Place	Countries adressed	Audience size	Audience type
2016	01.04.2016	Michaela Aschan	Co-creating a decision support framework to ensure sustainable fish production in Europe under climate change	Oral	Kickoff	Tromsø, Norway	Norway	70	
	09.08.2016	Michaela Aschan	Co-creating a decision support framework to ensure sustainable fish production in Europe under climate change	Oral	FishAdapt – A Global Conference on Climate Change Adaptation for Fisheries and Aquaculture	Bangkok, Thailand	Asia	100	
	16.11.2016	Michaela Aschan	Co-creating a decision support framework to ensure sustainable fish production in Europe under climate change	Oral	Klimamarin	Trondheim, Norway	Norway	70	Aquaculture, fishery, politicians
2017	23.01.2017	Michaela Aschan	Co-creating a decision support framework to ensure sustainable fish production in Europe under climate change	Oral	EU Commissioner Vella and Norwegian Minister of Fisheries Sandberg visited ClimeFish	Tromsø, Norway	Norway	20	Politicians
	02.02.2017	Michaela Aschan	Preparing for sustainable fish production in Europe by co-creation	Presentation with discussions	EASAC - European Academies Science Advisory Council	EASAC - European Academies Science Advisory Council	EASAC - European Academies Science Advisory Council	12	European Commission

- UiT-professor leder EU- prosjekt til 50 millioner <http://www.itromso.no/nyheter/2016/05/10/UiT-professor-leder-EU-prosjekt-til-50-millioner-12716129.ece> Publisert: 10 mai 2016, iTromsø
- 08/03/2017 Recruits women to fisheries. Michaela Aschan, Hanne Risan Johnsen and Marie-Anne Blanchet talk about ClimeFish, climate changes and women. Velger helst kvinner til fiskeriforskning (In Norwegian, Fiskeribladet, Tromsø) [Fiskeribladet-2017-03-08_11b Fiskeribladet-2017-03-08_10a](#)
- 08/08/2016: [Fiskeriforskaren trivs vid vida vatten](#) (In Norwegian, Hufvudstadsbladet). Interview with the ClimeFish coordinator, Michaela Aschan.
- 01/04/2016: [Forsker på hvordan klimaet endrer fisken](#) (In Norwegian, NRK). Starting up a new project that will focus on how climate changes will affect aquaculture and fisheries in Europe the next 50 years
- 10/05/2016: [UiT-professor leder EU- prosjekt til 50 millioner](#) (In Norwegian, iTromsø). Professor at the University of Tromsø, Michaela Aschan is the leader of the EU-financed project ClimeFish, which was granted 50 million NOKs and started 1th of April.