

Marine resource economics (MRØ)
Faculty of Biosciences, Fisheries and Economics
UiT – The Arctic University of Norway

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MRØ – ANNUAL REPORT

2015

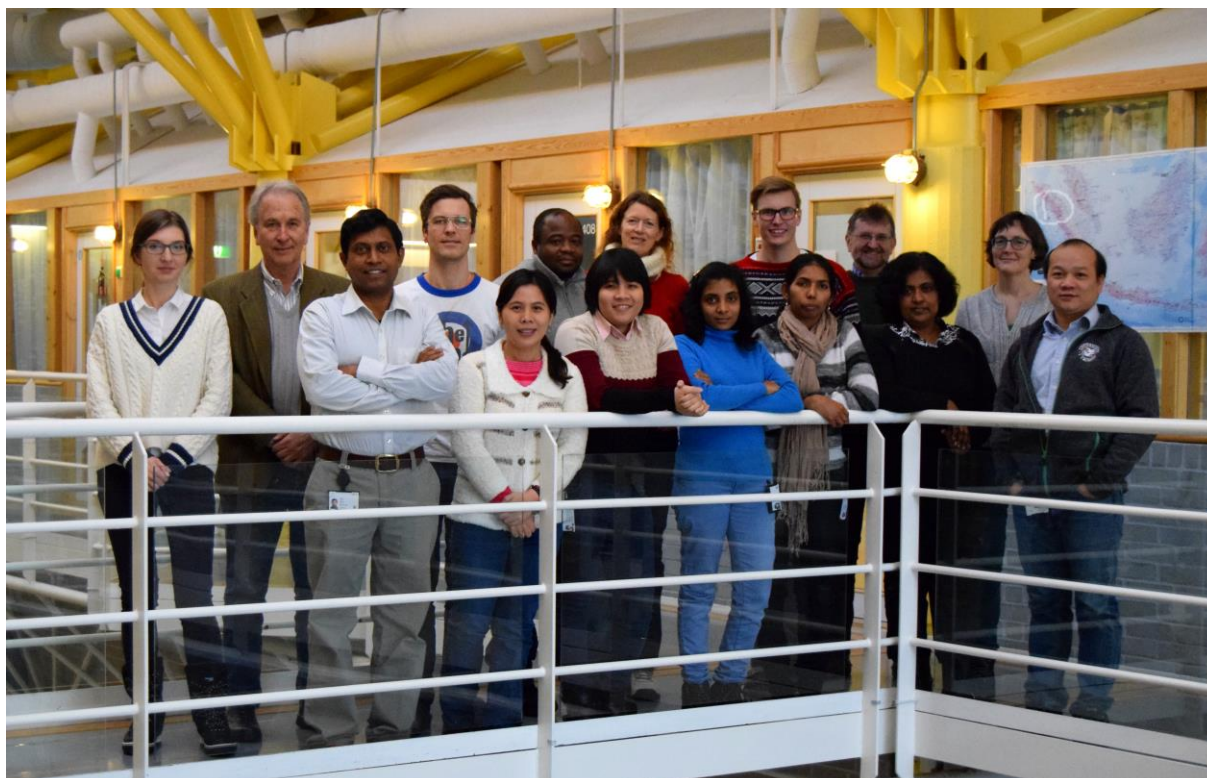


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RESEARCH GROUP MEMBERS

Research group members

HUMAN RESOURCES

The MRØ group has increased significantly the last year and counts by the end of 2015 20 persons, five faculty staff member, one professor emeritus, two adjunct professors, three post-docs, eight PhD-students and one researcher.

In 2015 we welcomed a new staff member, Eivind Hestvik Brækkan. Eivind will first of all strengthen our research and education in the aquaculture sector. We are very happy to have Eivind on board. The group has also grown a lot due to new PhD-students and post-docs associated with the [Norhed project](#). We have great social and professional benefits of being a truly international group, including people from Norway, Vietnam, Sri Lanka, Ghana and Russia.

Family Name	First Name	e-mail address	Position
Aanesen	Margrethe	margrethe.aanesen@uit.no	Associate professor
Armstrong	Claire	claire.armstrong@uit.no	Professor
Bergland	Harald	harald.bergland@uit.no	Adjunct associate professor
Brækkan	Eivind Hestvik	eivind.h.brakkan@uit.no	Associate professor
Bui	Bich Xuan	bbu003@post.uit.no	PhD-student
Cao	Thi Hong Nga	tca001@post.uit.no	Phd-student
De Silva	Waradana Nilantha	wsi004@post.uit.no	Post-doc.
Dreyer	Bent	bent.dreyer@nofima.no	Adjunct professor
Dushani	Nesha	nsa009@post.uit.no	PhD-student
Eide	Arne	arne.eide@uit.no	Professor
Falk-Andersson	Jannike	jannike.falk-andersson@uit.no	Researcher
Flåten	Ola	ola.flaaten@uit.no	Professor
Heen	Knut	knut.heen@uit.no	Professor emeritus
Le	Thi Thanh Ngan	tle027@post.uit.no	Phd-student
Nadarajah	Suthamathy	suthamathy.nadarajah@uit.no	Phd-student
Nguyen	Ngoc Duy	nng000@post.uit.no	Phd-student
Nikitina	Ekaterina	ekaterina.nikitina@uit.no	Phd-student
Patthamesthri	Perera Wimal Anthony	wpe009@post.uit.no	Post-doc.
Sandorf	Erlend Dancke	erlend.d.sandorf@uit.no	Phd-student
Vondolia	Godwin Kofi	kofi.vondolia@uit.no	Post-doc.

ONGOING AND COMPLETED PROJECTS

Ongoing and completed projects

Five projects concluded in 2015 and four new projects were initiated.

Short title	Full title	Start	End	Contact person(s)	Funding
PrimeFish	PrimeFish	2015	2019	Margrethe Aanesen	EU
DiscardLess	Strategies for the gradual elimination of discards in European fisheries	2015	2019	Claire Armstrong	EU
SEAVIEW	Scenario, fishEry, ecologicAl-economic modelling and Vliability nEtWork	2015	2016	Claire Armstrong	Belmont forum
RACArctic	Resilience and adaptive capacity of arctic marine systems under a changing climate	2015	2018	Arne Eide	Belmont forum
TBTI	Too Big to Ignore	2012	2018	Svein Jentoft Arne Eide	Canadian Research Council
Norhed	Incorporating climate change into ecosystem approaches to fisheries and aquaculture management in Sri Lanka and Vietnam	2014	2019	Claire Armstrong	Norad
	Non-commercial values attached to marine resources in the coastal zone	2013	2016	Margrethe Aanesen	NFR
	The economic value of fishing rights			Ola Flåten Knut Heen	-
	Conflicting objectives in the fishing industry			Knut Heen	-
	The economic consequences of engine fuel subsidies abolishment for fishing vessels		2015	Ola Flåten	-
	Marine Protected Areas (MPAs)		2015	Ola Flåten Claire Armstrong	-
Coral Value	Habitat-Fisheries Interactions - Valuation and Bioeconomic Modelling of Cold Water Coral	2012	2015	Claire Armstrong Margrethe Aanesen Jannike Falk-Andersson	NFR
ACCESS	Researching climate change and society in the Arctic	2011	2015	Arne Eide	EU

Publications 2015

There was a significant decline in number of MRØ-publications in 2015 compared with the previous year. It does not seem to be any specific reason for this, a number of new publications are in pipeline and some have already been published as 2016-issues. We are looking forward towards many new and exciting publications in the year to come and congratulate the 2015-authors with their achievements in 2015.

Peer reviewed MRØ-publications in 2015
<u>Aanesen, M., & Armstrong, C. W. (2015). The Political Game of European Fisheries Management. <i>Environmental and Resource Economics</i>, 1-19.</u>
<u>Aanesen, M., Armstrong, C., Czajkowski, M., Falk-Petersen, J., Hanley, N., & Navrud, S. (2015). Willingness to pay for unfamiliar public goods: Preserving cold-water coral in Norway. <i>Ecological Economics</i>, 112, 53-67.</u>
<u>Duy, NN, O.Flaaten, LK Long. (2015). Government support and profitability effects – Vietnamese offshore fisheries, <i>Marine Policy</i>, 61:77-86 DOI:10.1016/j.marpol.2015.07.013.</u>
<u>Falk-Andersson, I., Foley, N. S., Armstrong, C. W., van den Hove, S., van Rensburg, T. M., & Tinch, R. (2015). A deliberative approach to valuation and precautionary management of cold water corals in Norway. <i>Maritime Studies</i>, 14(1), 1-18.</u>
<u>Harsem, Ø., K. Heen, J. Rodrigues and T. Vassdal (2015). Oil exploration and sea ice projections in the Arctic. <i>Polar Record</i> 51(01): 91-106.</u>
<u>Isaksen, J. R., Ø. Hermansen and O. Flaaten (2015). Stubborn fuel tax concessions: The case of fisheries in Norway. <i>Marine Policy</i> 52: 85-92.</u>
<u>Kaiser, B. A., S. Bakanev, R.G. Bertelsen, M. Carson, A. Eide, L. Fernandez, P.N. Halpin, S. Izmalkov, L.A. Kyhn, H. Österblom, M. Punt, L. Ravn-Jonsen, J. Sanchirico, K. Sokolov, J.H. Sundet, G. Þórarinsdóttir, N. Vestergaard (2015). Spatial issues in Arctic marine resource governance - workshop summary and comment. <i>Marine Policy</i> 58:1-5.</u>
<u>Msomphora, M. R., & Aanesen, M. (2015). Is the catch quota management (CQM) mechanism attractive to fishers? A preliminary analysis of the Danish 2011 CQM trial project. <i>Marine Policy</i>, 58, 78-87.</u>
<u>Schmidt, JI, M. Aanesen, K. Klokov, S. Kruschov and VH Hausner (2015). Demographic and economic disparities among Arctic regions. <i>Polar Geography</i></u>

ONGOING PHD-PROJECTS

Ongoing PhD-projects

By the end of 2015 there are eight ongoing PhD-projects at MRØ, half of them started up in 2015.

PhD-student	Home country	Project title	Supervisor(s)	Start
<u>Erlend Dancke Sandorf</u>	Norway		<u>Margrethe Aanesen</u> <u>Claire Armstrong</u>	2012
<u>Bich Xuan Bui</u>	Vietnam	Evaluation of marine protected area - case study of Nha trang Bay	<u>Claire Armstrong</u> <u>Margrethe Aanesen</u>	2013
<u>Ngoc Duy Nguyen</u>	Vietnam	The Economics of Open-Access Fisheries: Subsidies and Performance of Vietnamese Fisheries	<u>Ola Flåten</u>	2013
<u>Suthamathy Nadarajah</u>	Sri Lanka	Economic aquaculture issues in Sri Lanka: Challenges for the sector in developing countries due to institutions, climate change, and degradation of mangrove ecosystems	<u>Arne Eide</u> <u>Ola Flåten</u>	2014
<u>Thi Thanh Ngan Le</u>	Vietnam	Macro and Micro-Level impacts of Climate Change on Vietnamese Aquaculture: A Case Study in Central and Southern parts of Vietnam	<u>Eivind Hestvik</u> <u>Brækkan</u> <u>Claire Armstrong</u>	2015
<u>Ekaterina Nikitina</u>	Russia		<u>Margrethe Aanesen</u> <u>Eivind Hestvik</u> <u>Brækkan</u>	2015
<u>Nesha Dushani</u>	Sri Lanka	Climate change impacts on mangrove ecosystem services and well-being of coastal communities in South Asia	<u>Margrethe Aanesen</u> <u>Claire Armstrong</u>	2015
<u>Thi Hong Nga Cao</u>	Vietnam	Climate change and poverty in small scale fisheries in Khanh Hoa province, Vietnam.	<u>Arne Eide</u> <u>Claire Armstrong</u>	2015

DISSEMINATIONS, CONFERENCES, LECTURES, ETC.

Disseminations, conferences, lectures, etc.

Through the year MRØ-group members have participated in a number of workshops, seminars and similar events. Below are some important 2015 events listed.

Event	Place	Date	Title	Persons involved
The 37th Meeting of the Norwegian Association of Economists	Bergen, Norway	05.01.15-06.01.15	Efficiency analyses of fisheries when stock estimates are lacking	Ngoc Duy Nguyen Ola Flåten
The 37th Meeting of the Norwegian Association of Economists	Bergen, Norway	05.01.15-06.01.15	Survey Mode Effects: Comparing a Valuation Workshop and an Internet Panel.	Erlend Dancke Sandorf
Lecture at University of Hawaii	USA	04.02.15	On fleet diversity, Causes and Consequences. The Norwegian Barents Sea cod fishery - A case study	Arne Eide
Scenario 2014, Subarctic fisheries. General assembly ACCESS	Vilanova di Geltrud, Spania	23.02.15-27.02.15	Marine Food Production	Arne Eide
Lecture at the Norwegian University of Life Sciences (NMBU)	Ås, Norway	21.04.15	Environmental Valuation in Practice: with emphasis on design and implementation of choice experiments	Godwin Kofi Vondolia
EAFE, XXIIInd conference of the European Association of Fisheries Economists	Salerno, Italia	28.04.15 - 30.04.15	Profit and resource rent in fisheries	Ola Flåten Knut Heen Thorolfur Matthiasson
The 4th International Choice Modelling Conference	University of Texas, Austin, USA	10.05.15-13.05.15	Disentangling the Influence of Knowledge on Processing Strategies in Choice Modeling	Erlend Dancke Sandorf
EAERE 2015, Annual Conference of the European Association of Environmental and Resource Economists	Helsinki, Finland	24.06.15-27.06.15	Disentangling the Influence of Knowledge on Processing Strategies in Choice Modeling,	Erlend Dancke Sandorf
EAERE 2015, Annual Conference of the European Association of Environmental and Resource Economists	Helsinki, Finland	24.06.15-27.06.15	Novel Survey Modes for Valuing Unfamiliar and Complex Environmental Goods: Valuation Workshops versus Internet Panel Surveys with Videos (poster)	Erlend Dancke Sandorf
EAERE 2015, Annual Conference of the European Association of Environmental and Resource Economists	Helsinki, Finland	24.06.15-27.06.15	Willingness to pay for unfamiliar public goods; preserving cold-water coral in Norway	Margrethe Aanesen
Invited presentation for Norwegian Academy of Technological Sciences seminar	Tromsø, Norway	03.09.15	Verdien av økosystemtjenester i havet	Claire Armstrong

DISSEMINATIONS, CONFERENCES, LECTURES, ETC.

BioEcon 17th Annual conference	King College, Cambridge, UK	15.09.15-17.09.15	Interviewer effects in a discrete choice experiment implemented as a valuation workshop	<u>Margrethe Aanesen</u>
Invited speaker at Zoological Society of London	London Zoo, UK	13.10.15	Valuing cold water corals	<u>Claire Armstrong</u>
Invited presentation at High Seas Symposium, Global Ocean Commission	Somerville College, Oxford, UK	12.11.15-13.11.15	Deep sea ecosystem services	<u>Claire Armstrong</u>

GROUP SEMINAR 2015

Group seminar 2015

THE MRØ-GROUP ON EXCERSION AT LERØY AURORA, SKJERVØY



The MRØ-group together with production manager Øystein Skallebø (to the right, in blue jacket) at Lerøy Aurora.

The annual MRØ-seminar took place in Skjervøy, November 2015 and 16 MRØ-members participated. It was a rather tough programme given the fact that we only allocated two days to the seminar. Nevertheless, all participants got the opportunity of presenting own work and interests, providing interesting talks and ditto discussions.

The visit to Lerøy Aurora was a great experience, displaying a high technological level and ambitious industrial strategies in play. Thanks a lot to production manager Tore Pedersen and all the workers at the Lerøy Aurora for taking us in. We received valuable information about the new marine industry and how it develops.

The programme (next page) really demonstrated the variety of interests and research areas within the group. A truly inspiring event!

GROUP SEMINAR 2015

Tuesday 3 November 2015

Climate change	
Cao Thi Hong Nga	<u>Climate change and economic performance of small scale fisheries in Khanh Hoa province.</u>
Le Thi Thanh Ngan	<u>Macro and Micro-Level impacts of Climate Change on Vietnamese Aquaculture: A Case Study in Central and Southern parts of Vietnam</u>
Perera Wimal Anthony Patthamesthri	<u>Evaluation of the threat from the sea-level rise on the Southern Coastal Ecosystems in Sri Lanka.</u>
Waradana Nilantha De Silva	<u>Wellbeing Implications of adaptations to Climate Change</u>
Nesha Dushani	<u>Climate change impacts on mangrove ecosystem services and well-being of coastal communities in South Asia</u>
Master course in Aquaculture Economics	
Eivind Hestvik Brækkan	<u>Some ideas for a new master's course in aquaculture economics</u>

Wednesday 4 November 2015

<u>Excursion, Lerøy Aurora</u>	
Suthamathy Nadarajah	<u>Institutional Quality and Global Aquaculture production</u>
Ola Flåten	<u>Invisible resource rent – revisited (Project paper by Ola Flåten, Knut Heen and Thorolfur Matthiasson)</u>
Nguyen Ngoc Duy	<u>Profitability effects and fishery subsidies: Average treatment effects based on propensity scores</u>
Arne Eide	<u>Does the map fit the terrain?</u>
Valuation	
Margrethe Aanesen	<u>Interviewer effects in a discrete choice experiment implemented as a valuation workshop (by Margrethe Aanesen, Erlend Dancke Sandorf and Claire W. Armstrong)</u>
Claire Armstrong	<u>Use and non-use values in an applied bioeconomic model of fisheries and habitat connections (by Claire W. Armstrong, Viktoria Kahui, Godwin K. Vondolia, Margrethe Aanesen and Mikolaj Czajkowski)</u>
Godwin Kofi Vondolia	<u>Bioeconomic modelling of fisheries and non-consumptive values in fisheries agreements</u>
Ekaterina Nikitina	<u>Valuation of salmon stock. Development of the production function (PF) method</u>
Erlend Dancke Sandorf	<u>Dishonest respondents in Internet Stated Preference Surveys</u>
Jannike Falk-Andersson	<u>Ecosystem Services - What, how and why identify and value cultural ecosystem services</u>