

# **Curriculum Vitae: Claire W. Armstrong**

**Place of employment:** The Norwegian College of Fishery Science (NCFS), University of Tromsø, The Arctic University of Norway (since 1994)

**Position:** Professor

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**Telephone:** +47776 45574 (w), +47776 10618 (p), +47 95723644 (m)

**Born, place and date:** Colorado, USA, 2. August 1964.

**Nationality:** Irish/American/Norwegian

**Civil status:** Married to Stein Halvar Støver

**Children:** Eva (born 1996) and Johan (born 1999)

## **Researcher unique identifiers:**

[Orcid](#), [Google Scholar](#), [Personal web site](#)

## **Degrees**

- PhD Fisheries Economics, The Norwegian College of Fishery Science, UiT The Arctic University of Norway, Tromsø, Norway, 1997.
- Master of Arts, Economics, Simon Fraser University, Vancouver, Canada, 1992.
- Master of Fisheries Science, The Norwegian College of Fishery Science, UiT The Arctic University of Norway, Tromsø, Norway, 1989.

## **Expertise**

Fisheries and marine economics and management, bioeconomic modelling, ecosystem services and values.

## **Teaching and supervision**

- Undergraduate teaching; microeconomics, macroeconomics, environmental and natural resource economics. Graduate teaching: environmental and natural resource economics.
- Supervision of Master of Economics, Master of International Fisheries Management, Master of Fishery Science, NOMA FAME and Norhed (Nha Trang University, Vietnam) students.
- Supervision of PhD students and Post docs
- Finalised research supervision training at UiT The Arctic University of Norway, spring 2019.

## **Scholarships, prizes, projects, appointments and consultations**

- Member of the governmentally appointed committee for the evaluation of future taxations systems (“Fremtidens skatte- og avgiftssystemer”), 2021-
- Project coordinator of Norad project ECOGIV financed by NORAD, 2021 –
- Co-lead in Research Council of Norway project PICO, 2020-
- WP lead Research Council of Norway project MONEC, 2020-
- WP lead Research Council of Norway SFI project Dsolve, 2020-
- Member of Council of Statistics Norway (Råd for Statistisk Sentralbyrå), 2020 - .

- Member of Complaints Committee for Petroleum Tax (Klagenemnda for Petroleumsskatt), 2020 - .
- William Evans Visiting Fellow Award, University of Otago, Dunedin, New Zealand, 2019.
- Member of Greenland's Economic Advisory Council (Økonomisk Råds formandskab), 2016-2019.
- Member of the governmentally appointed committee for the evaluation of resource rent taxation in Norwegian aquaculture ("Havbruksskatteutvalget"), 2018-2019.
- Member of the ministerially appointed committee for the evaluation of Norwegian carbon tax policies in fisheries ("Klimautvalget"), 2018-2019.
- Lead scientists in Fram research project: CoastChange, 2019-2021.
- WP leader MarES project (Changing uses and values of marine ecosystem services in the Norwegian Arctic), Research Council of Norway, 2017-2021.
- President of the International Institute of Fisheries Economics and Trade (IIFET), 2016 – 2018.
- WP leader in Horizon2020 project Atlas, 2016-2020.
- Member of Horizon2020 project ClimeFish, 2016-2020.
- WP leader of COREPLAN (Ecosystem services and coastal governance) project, The Research Council of Norway, 2016-2018.
- Member of Horizon2020 project DiscardLess, 2015-2018.
- Member of the Board of Directors; MRE (Marine Resource Economics) Foundation, A University of Chicago Press Journal, 2015-2018.
- Member of Advisory Board: MARmaED: MARine Management and Ecosystem Dynamics under climate change. Innovative Training Networks (ITN), 2015-2019.
- Local coordinator for NORHED research program, collaboration with Nha Trang University, Vietnam and Ruhuna University, Sri Lanka, 2014-2020.
- President Elect of the International Institute of Fisheries Economics and Trade (IIFET), 2014 –2016.
- Contributing Author IPCC report: Climate Change 2014: Impacts, Adaptation and Vulnerability (Ch 6: Ocean Systems).
- Review Editor ICES Journal of Marine Science, 2013 –2015.
- Member of UN Pool of Experts of the Regular Process for Global Reporting and Assessment of the State of the Marine Environment, including Socioeconomic Aspects: Ch 36: Arctic Biodiversity (World Ocean Assessment), 2013-2015
- Member of Marine Board Working Group on Valuing Marine Ecosystems (WGVALMARE), the European Science Foundation, 2013-2015
- Consultation for the Ministry of Trade and Industry, Norway. Ecosystem services in the Barents Sea – Lofoten: Societal values and trade-offs. (In Norwegian: Økosystemtjenester i Barentshavet-Lofoten: Samfunnsmessige verdier og avveininger), Vista Analyse, 2012.
- Project coordinator for research project: Habitat-fisheries interactions - Valuation and Bioeconomic modelling of Cold Water Coral, Norwegian Research Council, 2012-2014.
- Member of the governmentally appointed committee to review the values related to ecosystem services in Norway ("Økosystemtjenesteutvalget"), 2011-2013. *NOU 2013:10 Naturens goder – om verdier av økosystemtjenester*.
- Coordinator FRAM Research project: The Economics of Ocean Acidification. 2011-2012.
- Consultation for the Ministry of Fisheries and Coastal Affairs, Norway. Rebuilding Fisheries: The North East Arctic cod fishery, 2010-2011.
- Partner in Framework 7 collaborative project: Hotspot Ecosystem Research and Man's impact on European Seas (HERMIONE), 2008-2012.

- Partner and work package leader in EU Framework 7 collaborative project: Assessment of interactions between coral, fish and fisheries CoralFISH, 2008-2012.
- Partner and work package leader in EU Framework 7 collaborative project: Making European Fisheries Ecosystem Plan Operational (MEFEPO), 2008-2011.
- Member of the governmentally appointed committee for analysis of allocation of wealth in Norway (“Fordelingsutvalget”), 2008-2009. *NOU 2009:10 Fordelingsutvalget*
- Consultation for the Ministry of the Environment, Norway. The economic valuation of a pure, productive ocean and an intact biodiversity. (In Norwegian: ”Økonomisk verdsetting av rent, produktivt havmiljø og et intakt biologisk mangfold”) 2007-2008.
- Member of the governmentally appointed committee for the evaluation of taxes on externalities (“Særagiftsutvalget”), 2006-2007. *NOU 2007:8 En vurdering av særagiftene.*
- Partner in EU Specific targeted research project (STREP), Framework 6; Integrated Multiple Demands on Coastal Zones with Emphasis on Aquatic Ecosystems and Fisheries (INCOFISH) 2005-2008.
- Member of the governmentally appointed committee for the evaluation of Norwegian fisheries structural policies (“Strukturutvalget”), 2006. *NOU 2006:16 Strukturvirkemidler i fiskeflåten.*
- Partner in EU Specific targeted research project (STREP), Framework 6; Marine Protected areas as a tool for ecosystem conservation and fisheries management (PROTECT) 2005-2008.
- Partner in EU Integrated Project, Framework 6; Hotspot Ecosystem Research on the Margins of European Seas (HERMES) 2005-2009.
- Partner in the research project “Market-based allocation-mechanisms for coastal resources”, Norwegian Research Council, administered by NORUT, Tromsø, 2002-2005.
- Project coordinator: “Marine Protected Areas as a fisheries management tool – a bioeconomic analysis with emphasis on management cost and uncertainty”, Norwegian Research Council, 2001-2005.
- Partner in research project: “Economics of Marine Protected Areas” Norwegian Research Council, administered by Chr. Michelsens Institute, Bergen, 2000-2001.
- University of Tromsø’s Fisheries Research Prize, 1997.
- PhD scholarship, Norwegian Research Council, 1991-1994.
- Student scholarship for women in economics, Norwegian Research Council, 1989.

## **Committees/administrative experience**

- Research Group Lead of Marine Resource Economics group, NCFS, 2020-
- Member of the planning group for the new Ocean and Coast program of the Norwegian Research Council (MARINFORSK), 2014-15.
- Marine Resource Economics Research group leader, Norwegian College of Fishery Science, University of Tromsø, 2014-2015, 2020- .
- Member of Socioeconomics Marine Research Unit (SEMRU) Scientific Advisory Committee, National University of Ireland, Galway. 2009-2013.
- Member of the Board of the Fisheries Research Fund (Fiskeriforskningsfondet og Troms Sparebanklags Stipend), 2009-2015.
- Member of the Interim Board of Faculty 4, University of Tromsø, 2009.
- Chair of the Scientific Committee for the 14. Conference for International Fisheries Economics and Trade (IIFET 08) in Nha Trang, Vietnam in 2008.

- Board member of Remiks KF, 2005-2008
- Member Executive Board of SEMUT (Centre for Environment and Development studies), University of Tromsø, 2003-2005.
- Member of the Executive Committee of the International Institute of Fisheries Economics and Trade (IIFET), 2002-2005.
- Chair of the Dept. of Economics, University of Tromsø, 2002.
- Vice Chair at the Dept. of Economics, University of Tromsø, Spring 2000.
- Member of the Board for the program Marine Resources, Environment and Management (Marine Ressurser, miljø og forvaltning MARE) of the Norwegian Research Council, 1998/1999.
- Representative in the Affirmative Action Committee of the University of Tromsø, 1998.
- Member of the planning group for the program Marine Resources, Environment and Management (Marine Ressurser, miljø og forvaltning MARE) of the Norwegian Research Council, 1998.
- Member of the Organisational Committee for the 9. conference for International Fisheries Economics and Trade (IIFET 98) in Tromsø in 1998, also “Abstracts Co-ordinator”
- Member of the Board of the Norwegian College of Fishery Science, 1996-1998, 2006.

## **Academic work outside Norway**

- Lecturing PhD course; Marine Resource Economics at the Nha Trang University, Vietnam, June 2022.
- William Evans Visiting Fellow at University of Otago, Dunedin, New Zealand, October-November, 2019.
- Lecturing mini-course on bioeconomic models in fisheries at University of Greenland, Nuuk, Greenland, September 2017.
- Lecturing in the International Master of Science in Marine Ecosystem management and Climate Change at the Nha Trang University, Vietnam, April 2016, January 2017.
- Lectures in Fisheries Economics, Murmansk State Technical University, Russia, November, 2013.
- Lectures on Marine Reserves for Ministry Agriculture and Rural Development in Vietnam, February 2010.
- Lecturing Master student’s course in Fisheries Economics and Management at the Nha Trang University, Vietnam in June-July 2008, September 2009, May-June 2010 and 2011.
- Visiting scholar at Coastal and Marine Resources Centre (CMRC), University College Cork, Ireland, Sept. 2004 to July 2005.
- 3 weeks lecturing resource economics at the University of Western Cape, Cape Town, South Africa, Autumn 2002.
- Visiting scholar at Dept. of Agricultural and Resource Economics at University of California, Davis, Aug. 2000 to July 2001.
- 1 month lecturing fisheries economics at the University of Namibia, Windhoek, Namibia, spring 2000.
- 3 months visiting at the University of Rochester, Rochester, NY, USA, spring 1994.

## **Invited presentations**

- *Moving from Fisheries Economics to Ocean Economics: Including non-use values in bioeconomic modeling.* At the Environmental and One Health Economics SIG:

Valuing the Marine Environment Webinar, University of Glasgow, Scotland, March 10, 2022.

- *Tax on aquaculture – the Aquaculture Taxation Committee’s assessment* (in Norwegian: *Skatt på havbruk – Havbruksskatteutvalgets vurderinger*). At Facts, Fish and Film, Lerøys seminar at the Tromsø International Film Festival (TIFF), Tromsø, January 2020.
- *It’s the ecology, stupid - Willingness to pay for cold-water coral protection*. Seminar at the Department of Economics, University of Otago, Dunedin, New Zealand, November 2019.
- *Ecosystem services risk assessment in the Barents Sea*. Lunch seminar, Institute of Marine Resources (Havforskningsinstituttet), Tromsø, September 2019.
- *It’s the ecology, stupid - Willingness to pay for cold-water coral protection*. Key note talk in Blue Growth session at the European Marine Biology Symposium (EMBS), Dublin August 2019.
- *Willingness to pay for cold water coral protection – the value of deep sea ecosystems*. ATLAS Science-Policy meeting, Brussels, May 2019.
- *16 years of cooperation with Nha Trang (Fisheries) University – Experiences, challenges and potential for future collaboration*. Fishery Forum for Development Cooperation, Seminar in Bergen, Norway, March 2019.
- *Overvejelser om det fremtidige arbeidskraftsbehov i fiskerisektoren (Perspectives on future labour needs in the fisheries sector)*. The Economic Council of Greenland’s Seminar, Nuuk, Greenland, January 2019.
- *Why resource rent taxation, and does it have any impact on fisheries restructuring and quota prices?* (In Norwegian: *Hvorfor ressursrentebeskatning og har det betydning for struktur og pris på kvoter?*). *Coast, Fish and Future* conference (In Norwegian: *Kyst, Fisk og Framtid*), Tromsø, November 22, 2018.
- *NORHED: Fisheries Economics and Administration in Vietnam. Research and Teacher/Student Exchange*. Invited presentation at conference: South in the Arctic – Arctic in the South: Why and how to continue cooperation. UiT The Arctic University of Tromsø, 9-10 October, 2018.
- *MPAs for cold water corals - a case for broader stakeholder input*. Velux Symposium; A sea of interest, Copenhagen, Denmark, 9 November 2017.
- *Gjenoppbyggingen av det Nord-øst Arktiske torskefiskeriet – lærdom og gjenstående jobs (Rebuilding the Northeast Arctic cod fishery – lessons learned and remaining jobs)*. Grønlands Økonomiske Råds seminar, Nuuk, Greenland, 28 January, 2017.
- *Økosystemtjenestetilnærmingen – hva går den ut på og hvordan kan den brukes? (The ecosystem service approach – what is it, and how can it be used?)*. With Kristin Magnussen, Vista Analyse. Miljødirektoratet (The Norwegian Environment Agency), 16 November 2016.
- *Gender in academia and some thoughts about mentoring*. Nha Trang University Mentoring Program Workshop, Vietnam, 26 April 2016.
- *Moving from fisheries management to ocean management*. Invited speaker at Australian Agricultural and Resource Economics Society (AARES) conference, Canberra, 2-4 February 2016.
- *Deep sea ecosystem services*. Invited presentation at High Seas Symposium, Global Ocean Commission, Somerville College, Oxford, UK, 12-13 November 2015.
- *Valuing cold water corals*. Invited speaker at Zoological Society of London, London Zoo, October 13 2015.

- *Verdien av økosystemtjenester i havet* (The value of Ecosystem services in the ocean). Invited presentation for Norwegian Academy of Technological Sciences seminar in Tromsø, September 3<sup>rd</sup> 2015.
- *Moving from fisheries management to ocean management in bioeconomic models*. Keynote speaker: Resource Modeling Association Annual Conference, Vilnius, Lithuania, July 8-11, 2014.
- *Arctic Marine Ecosystem Services*. Invited session speaker in the conference of A Community for Ecosystem Services (ACES): Arctic Ecosystem Services Workshop, Washington DC, USA, 8-11 December 2014.
- *How can the value of ecosystem services be quantified and how is such valuation used for ecosystem management?* Thematic day on ecosystem services at the Fram Centre, Tromsø, Norway, 31. November 2013.
- Socioeconomic effects of ocean acidification. Invited presentation at Ocean Acidification symposium at the Swedish Agency for Marine and Water Management (SwAM), Gothenburg, 30. November 2012.
- *Norwegian Fisheries Management – The case of the Northeast Arctic cod fishery*. Key note presentation at “Green Growth and Advancement of Korean Fisheries Villages” conference, The Korea Chamber of Commerce and Industry, Seoul, South Korea, 3. June 2011.
- *Fiskeri og Habitat – en viktig “missing link” i havet?* Invited presentation for Academia Borealis. Nordnorsk Vitenskapsakademi, Feb 19<sup>th</sup> 2009.
- *Fiskeri og Habitat – en viktig “missing link*, Presentation at University of Tromsø’s 40th anniversary, October 2008.
- *Habitat and fisheries – a missing link?* At the SINTEF workshop on; Value Creation in the Nordic Countries of Fisheries and Aquaculture in Akureyri, Iceland, 11.-12. October 2007.
- *Habitat and fisheries - Bioeconomic modelling*. Presentation at The Centre for Ecological and Evolutionary Synthesis (CEES), University of Oslo, Nov 5th 2007.
- MPAs in a bioeconomic perspective. Issues of relevance for developing countries. Seminar on MPAs: Fisheries Forum. Hurtigruten, Norway, 24-25 October 2006.
- *Economic Research on Marine Reserves. An Overview. At the International Expert workshop: Marine Protected Areas and Fisheries, held on the Isle of Vilm, Germany, 28 June-2 July 2004.*
- *The ecological-economic modelling of marine reserves in fisheries*. At the workshop: “Ecological-Economic Modeling for Designing and Evaluating Biodiversity Conservation Policies” held in Leipzig, Germany, September 2004.
- *Distributional and efficiency effects of Marine Protected Areas: A study of the North-East Atlantic cod fishery*. Seminar at the Department of Economics, Norwegian University of Science and Technology, Trondheim, Norway, October 2003.

## Master supervision:

- Hallveig Ólafsdóttir. Resource tax, Quality of Fishing Rights, and Economic Performance. A comparative study of the fishing sectors in Iceland and Norway. Master in international Fisheries Management, UiT The Arctic University of Norway, 2021.
- Nguyen Thi Thu. Climate change impacts and adaptation for shrimp aquaculture in Nui Thanh district, Quang Nam province, Vietnam. Master of Marine Ecosystem Management and Climate Change, Nha Trang University, Vietnam, 2019.
- Tomas Ndatitangi Nalukaku. Bioeconomic modelling and analysis of *Merluccius capensis* and *Merluccius paradoxus* (hake) fishery in Namibian waters under the influence of climate

- variability. Master of Marine Ecosystem Management and Climate Change, Nha Trang University, Vietnam, 2019.
- Singhalage Shanika Shrimani Weralugolla. An Integrated approach to the assessment of post tsunami status of fisheries with further reference to climate change: The case of the small-scale fisheries sector of southern Sri Lanka. Master of Marine Ecosystem Management and Climate Change, Nha Trang University, Vietnam, 2019.
- Julia Michailova: Determinants of results in Impact Assessment (with Risk and Vulnerability Analysis) in relation to Coastal Plan for Mid- and South Troms County. Master in International Fisheries Management, UiT the Arctic University of Norway, Tromsø, 2019.
- Gregory Robert Morris: “Evaluating the impacts of climate change on livelihoods of small-scale fishermen in coastal settlements in Khanh Hoa province, Vietnam”. Master of Marine Ecosystem Management and Climate Change, Nha Trang University, Vietnam, 2017.
- Nguyen Thi Mai “Evaluating the effectiveness of adaptation to climate change of aquaculture farmers in Phu Vang district, Thua Thien Hue province”. Master of Marine Ecosystem Management and Climate Change, Nha Trang University, Vietnam, 2017.
- Marit Slåen Sæther: En nytte- kostnadsanalyse av «flerbruksveien» i Lyngen (A Cost-Benefit analysis of a forest road in Lyngen). Master of Economics, University of Tromsø 2013.
- Alvin Slewion Jueseah: Economic and management implications of the implementation of an IVQ regime in the industrial offshore fisheries sector in Liberia. Master in International Fisheries Management, University of Tromsø 2012.
- Ndafapawa T. Shimweefeleni: Recovering resource rent from fisheries: An analysis of the Namibianisation policy (1994-2007). Master in International Fisheries Management, University of Tromsø 2011.
- Nguyen Hai Anh: Assessment of MPA management: using the analytic hierarchy process to analyze stakeholder preferences for performance indicators in Nha Trang Bay MPA, Vietnam. Master in Fisheries and Aquaculture Management and Economics, University of Tromsø 2010.
- Nguyen Thi Trang Nhung: Effectiveness evaluation of a marine protected area in Vietnam – The Cu Lao Cham MPA case study. Master in Fisheries and Aquaculture Management and Economics, University of Tromsø 2010.
- Do Hung Nguyen: Economic value of coral reef and management effectiveness in Trao Reef locally managed marine reserve. Master in Fisheries and Aquaculture Management and Economics, University of Tromsø 2009.
- Duong Thi Kim Lan: The attitudes and perceptions of resource users and managers towards the Nha Trang Bay Marine Protected Area management, Vietnam. Master in Fisheries and Aquaculture Management and Economics, University of Tromsø 2009.
- Xianwen Chen: Bioeconomic study of a two agent fishery with consideration on the valuation of goods and services by cold water corals. Master in Fisheries and Aquaculture Management and Economics, University of Tromsø 2009.
- Inga Wigdahl Kaspersen: En bioøkonomisk analyse av det norske uerfisket. Master in Fisheries Science, University of Tromsø 2008.
- Mahider Mosissa Kitil: A bioeconomic analysis of fisheries in Ethiopia: A case of Lake Tana; Implications for Management and Conservation. Master in International Fisheries Management, University of Tromsø 2008.
- Irina Pavlichina: Price formation in the French natural gas market. Master of Economics, University of Tromsø 2006.
- Øystein Olsen: Samfunnsøkonomiske implikasjoner ved privatisering av norske fengsel. Master of Economics, University of Tromsø 2003.

Mabel Borteley Bortier-Verstraaten: A bioeconomic analysis of the Ghanaian tuna fishery (1980-2000). Master in International Fisheries Management, 2002.

Siri Bjørvig: Bare Søppel. Enhetsprising av husholdningsavfall i Tromsø Kommune. Master of Economics, University of Tromsø 1998.

Eirik Knutsen: Sur nedbør: En spillteoretisk tilnærming. Master of Economics, University of Tromsø, 1996.

### **PhD supervision:**

Do Huu Luat (main supervisor): Ongoing

Minh Nhat Pham (main supervisor): Ongoing

Marina Boboedova (main supervisor): Ongoing

Le Thi Thanh Ngan (main supervisor): Ongoing

Cao Thi Hong Nga (co-supervisor): Ongoing

Nesha Dushani Salpage: Economic valuation of climate change impacts on ecotourism in Rekawa coastal wetland in Sri Lanka: Application of stated preference techniques, 2022 (co-supervisor).

Tannaz Alizadeh Ashrafi: *Fisher's effort allocation behavior and decision-making process in the Norwegian trawl fishery*, 2021 (co-supervisor).

Bui Bich Xuan: *Economic Analysis of Marine Protected Areas: Bioeconomic Modeling and Economic Valuation Approaches*, 2017 (main supervisor).

Erlend Dancke Sandorf: *Valuing Unfamiliar and Complex Ecosystem Services*, 2016 (co-supervisor).

Jannike Falk-Petersen: *Management of the alien invasive red king crab*, 2012 (main supervisor).

Naomi Foley: *Bioeconomic modelling and fishery-habitat linkages: The case of cold water coral ecosystems*, 2011 (co-supervisor at National University of Ireland, Galway).

Siv Reithe; *Essays on the bioeconomics of marine reserves*, 2006 (main supervisor).

### **PhD defence committee member for:**

Hanny Mediodia. Essays on the Economic of Fisheries and Climate Change. Victoria University of Wellington, New Zealand, 2021.

Melina Kourantidou. Stewardship of resources in rapidly evolving Arctic economies and ecosystems: The role of marine invasive species. University of Southern Denmark, Esbjerg, 2018.

Manuel Bellanger. Modelling institutional arrangements and bio-economic impacts of catch share management systems. Applications to the Bay of Biscay sole fishery. Universite de Bretagne Occidentale, Brest, France, 2017.

Benjamin Breen. The impact of environmental regulation on human interaction with marine and coastal ecosystems, J.E. Cairnes School of Business and Economics, National University of Ireland, Galway, Ireland, 2014

Pham Thi Thanh Thuy. Rent creation and distribution. Theory and the Vietnamese small-scale purse seine fishery. Norwegian College of Fishery Science, University of Tromsø, Norway, 2013.

Xiaozi Liu. Essays on economic optimization: bridging fisheries economics and fisheries biology. Norwegian School of Economics, Bergen, Norway, 2012.

Fabian B. Zimmermann. The value of size. Bioeconomic consequences of size dependent pricing and fishing induced evolution. University of Bergen, Norway, 2011.

- Chen Wenting. Externalities and Renewable Natural Resource Management. Department of Economics, Norwegian University of Science and Technology, Trondheim, Norway, 2011.
- Valborg Kvakkestad. Institutions and GMOs: Shaping Perspectives and organisms. Department of Economics and Resource Management. Norwegian University of Life Sciences, Ås, Norway, 2010.
- Lars J. Ravn-Jonsen. Marine Ecosystem Management and Concepts for Natural Resource Management Models. Department of Environmental and Business Economics. University of Southern Denmark, Esbjerg, Denmark, 2009.
- Soile Kulmala. Essays on the Bioeconomic of the Northern Baltic Fisheries, Department of Economics and Management University of Helsinki, Finland, 2009.
- Quach Thi Khanh Ngoc. Essays on the Economics of Marine Protected Areas and Fisheries Management. Norwegian College of Fishery Science, University of Tromsø, Norway, 2009.
- Arne Eide. A Bioeconomic Perspective on the Norwegian Barents Sea Cod Fishery. Norwegian College of Fishery Science, University of Tromsø, Norway, 2008.
- Jan Olaf Olaussen. On the Economics of and Atlantic Salmon Recreational Fishery. Department of Economics, Norwegian University of Science and Technology, Trondheim, Norway, 2007.
- Håvard Solem. Environmental and economic efficiency in recycling of household waste, pollution control and land-use changes. Department of Economics, Norwegian University of Science and Technology, Trondheim, Norway, 2004.

## Publications

1. Salpage, Aanesen, **Armstrong**. Willingness to pay for mangrove restoration to reduce the climate change impacts on ecotourism in Rekawa coastal wetland, Sri Lanka. *Journal of Environmental Economics and Policy*, 2022.  
<https://www.tandfonline.com/doi/full/10.1080/21606544.2022.2065364>
2. Le, Hestvik, **Armstrong**, Eide. Determinants of inefficiency in shrimp aquaculture under environmental impacts: Comparing shrimp production systems in the Mekong, Vietnam. *Journal of the World Aquaculture Society* 2022.  
<https://onlinelibrary.wiley.com/doi/10.1111/jwas.12874>
3. Tinch, Ankamah-Yeboah, **Armstrong**. Exploring Perspectives of the Validity, Legitimacy and Acceptability of Environmental Valuation using Q Methodology. *Journal of Ocean and Coastal Economics* 8(2), article 12, 2021.  
<https://cbe.miis.edu/joce/vol8/iss2/12/>
4. Tinch, Hynes, **Armstrong**, Chen. Prospects for Valuation in Marine Decision Making in Europe. *Journal of Ocean and Coastal Economics* 8(2), article 11, 2021.  
<https://cbe.miis.edu/joce/vol8/iss2/11/>
5. Hynes, Ankamah-Yeboah, **Armstrong**, Recurreicao, Simpson, Tinch, Xuan. Have environmental preferences and willingness to pay remained stable before and during the global Covid-19 shock? *Ecological Economics* 189, 2021.  
<https://doi.org/10.1016/j.ecolecon.2021.107142>
6. Nga, Eide, **Armstrong**, Long. Measuring capacity utilization in fisheries using physical or economic variables: A data envelope analysis of a Vietnamese purse seine

- fishery. *Fisheries Research* Vol 243, 2021.  
<https://doi.org/10.1016/j.fishres.2021.106087>
7. Ankamah-Yeboah, **Armstrong**, Hynes, Simpson, Xuan. Assessing public preferences for deep sea ecosystem conservation: A choice experiment in Norway and Scotland. *Journal of Environmental Economics and Policy*, 2021.  
<https://doi.org/10.1080/21606544.2021.1924286>
  8. Xuan, Ankamah-Yeboah, **Armstrong**, Hynes, Simpson. Valuing High-Sea Ecosystems Conservation: Socio-demographic, Attitudinal, and Spatial Determinants of Willingness-to-Pay. *Conservation Biology* 35(5), 1405-1416, 2021.  
<https://conbio.onlinelibrary.wiley.com/doi/10.1111/cobi.13720>
  9. Aanesen, van Rensburg, **Armstrong**. Do we choose differently after a discussion? Results from a deliberative valuation study in Ireland, *Land Economics*, 2021.  
<http://le.uwpress.org/content/early/2021/08/18/wple.97.1.100719-0144R.abstract>
  10. Vondolia, Hynes, **Armstrong**, Chen. Subjective well-being and stated preferences: Explorations from a choice experiment in Norway. *Journal of Behavioral and Experimental Economics*, 91, 2021. <https://doi.org/10.1016/j.socec.2021.101682>
  11. Hynes, Chen, Vondolia, **Armstrong**, O'Connor. Valuing the Ecosystem Service Benefits from Kelp Forest Restoration: A Choice Experiment. *Ecological Economics* 179, 2021. <https://www.sciencedirect.com/science/article/pii/S0921800919319573>
  12. Hynes, Ankamah-Yeboah, Needham, O'Neill, Xuan, **Armstrong**. Entropy balancing in discrete choice analysis: The Blue Planet II effect, *Journal of Environmental Planning and Management* 2020. <https://doi.org/10.1080/09640568.2020.1828840>
  13. Stenseth, Payne, Bonsdorff, Dankel, Durant, Anderson, **Armstrong**, Blenckner, Brakstad, Dupont, Eikeset, Goksøyr, Jónsson, Kuparinen, Våge, Österblom and Paasche. Attuning to a changing Ocean. *PNAS* 2020.  
<https://www.pnas.org/content/early/2020/08/12/1915352117>
  14. Nga, Eide, **Armstrong**, Long. Economic performance and capacity utilization in a Vietnamese purse seine fishery, *Asian Fisheries Science* 33, 58-64, 2020.  
<https://www.asianfisheriessociety.org/publication/abstract.php?id=1289>
  15. Ankamah-Yeboah, Xuan, Hynes, **Armstrong**. Public Perceptions of Deep-Sea Environment: Evidence from Scotland and Norway. *Frontiers in Marine Science*, 2020 <https://www.frontiersin.org/articles/10.3389/fmars.2020.00137/full>
  16. Vondolia, Chen, **Armstrong**, Nordling. Bioeconomic modelling of coastal cod and kelp forest interactions, habitat services, fisheries and carbon sinks. *Environmental and Resource Economics* 1-24, 2020. <https://doi.org/10.1007/s10640-019-00387-y>
  17. **Armstrong**, Kim Anh. Building research and educational capacity in Vietnam and Sri Lanka on the impacts of climate change on marine ecosystems management: Challenges, achievements and lessons learned. In: *Sharing Knowledge, Transforming Societies. The Norhed Programme 2013-2020*. Halvorsen, Orgeret and Krøvel (Eds). African Minds, 2019. [www.africanminds.co.za/wp-content/uploads/2019/10/Sharing\\_Knowledge\\_Transforming\\_Societies\\_web\\_ss.pdf](http://www.africanminds.co.za/wp-content/uploads/2019/10/Sharing_Knowledge_Transforming_Societies_web_ss.pdf)
  18. **Armstrong**, Aanesen, van Rensburg, Sandorf. Willingness to pay for cold water coral protection. *Conservation Biology* 1523-1739, 2019.  
<https://conbio.onlinelibrary.wiley.com/doi/epdf/10.1111/cobi.13380>

19. **Armstrong**. A conceptual bio-economic ecosystem service model. In: *Contributions in Natural Resource Economics. Festschrift to Anders Skonhøft*. Olaussen (Ed). Fagbokforlaget, 2019.
20. Doyen, **Armstrong**, Baumgartner, Bene, Blanchard, Cisse, Cooper, Dutra, Freitas, Gorguet, Gusmo, Hardy, Jarre, Little, Macher, Quaas, Regnier, ...Thebaud. From no whinge scenarios to viability tree. *Ecological Economics*, 163, 183-188, 2019.  
[https://www.sciencedirect.com/science/article/pii/S0921800918301824?dgcid=coauth\\_or](https://www.sciencedirect.com/science/article/pii/S0921800918301824?dgcid=coauth_or)
21. **Armstrong**, Foley, Slagstad, Chierici, Ellingsen, Reigstad. Valuing blue carbon changes in the Arctic Ocean. *Frontiers in Marine Science*, 6, 331, 2019.  
<https://www.frontiersin.org/articles/10.3389/fmars.2019.00331/full>
22. **Armstrong**, Vondolia, Foley, Henry, Needham, Ressurreição: Expert assessment of risks posed by climate change and anthropogenic activities to ecosystem services in the deep North Atlantic. *Frontiers in Marine Science* 6, 158, 2019.  
<https://www.frontiersin.org/articles/10.3389/fmars.2019.00158/full>
23. Sundsvold and **Armstrong**. Found in Translation: Identifying Ecosystem Services Through Public Consultation Statements in a Marine Spatial Planning Process. *Ecosystems and People*, 15(1), 102-118, 2019.  
<https://www.tandfonline.com/doi/full/10.1080/26395916.2019.1596982>
24. Aanesen and **Armstrong**. Trading off co-produced marine ecosystem services: Natural resource industries versus other use and non-use ecosystem service values *Frontiers in Marine Science* 6, 102, 2019.  
<https://www.frontiersin.org/articles/10.3389/fmars.2019.00102/full>
25. Xuan and **Armstrong**. Trading off Tourism for Fisheries. *Environmental and Resource Economics*, 2018. <https://doi.org/10.1007/s10640-018-0281-5>
26. **Armstrong** and Foley. Ecosystem services and values in the Arctic Ocean. In: *At the edge*, P.Wassmann (ed). Orkana, 2018.
27. **Armstrong**, Kahui, Vondolia, Aanesen, Czajkowski. Use and non-use values in an applied bioeconomic model of fisheries and habitat connections. *Marine Resource Economics* 32(4) 2017. <http://www.journals.uchicago.edu/doi/pdfplus/10.1086/693477>
28. Rodrigues, Conides, Rodrigues, Raicevich, Pita, Kleisner, Pita, Lopes, Toldan, Tamos, Klaoudatos, Oitero, **Armstrong**, Teneva, Stefanski, Bohnke-Heinrichs, Kruse, Lillebø, Menett, Belgano, Murillas, Pinto, Burkhard, Villasante. Marine and coastal cultural ecosystem services: knowledge gaps and research priorities. *One Ecosystem* 2, 2017. <http://oneecosystem.pensoft.net/article/12290/>
29. Eide, **Armstrong** and Hermansen. The most cost-effective vessel – does it exist (in Norwegian: Fiskeriøkonomene har ordet – “Det mest kostnadseffektive fartøy – eksisterer det?” in *Profitability survey of the Norwegian fishing fleet 2015*, p.52-58. Directorate of Fisheries, 2017.  
<http://www.fiskeridir.no/fiskeridir/Statistikk/Publikasjoner/Loennsomhetsundersoekelese-for-fiskefartoeey>
30. Xuan and **Armstrong**. Marine Reserve Creation and Interactions between Fisheries and Capture Based Aquaculture – A Bio-economic Model Analysis. *Natural Resource Modeling* 30(2), 2017. <http://onlinelibrary.wiley.com/doi/10.1111/nrm.12122/full>
31. Levin, Mengerink, Gjerde, Rowden, Van Dover, Clark, Ramirez-Llodra, Currie, Smith, Sato, Gallo, Sweetman, Lily, **Armstrong**, Brider. Defining “serious harm” to the marine environment in the context of deep-seabed mining. *Marine Policy* 74, 245-259, 2016.

32. Kahui, **Armstrong** and Foley. An International View on “Correcting the Whimsies of U.S. Fisheries Policy”. *Choices* 2016. <http://www.choicesmagazine.org/choices-magazine/submitted-articles/an-international-view-on-correcting-the-whimsies-of-us-fisheries-policy>
33. **Armstrong**, Foley and Kahui. A production function analysis of fisheries and habitat – open access versus optimal management. *Land Economics* 92(4), 760-771, 2016.
34. Kahui, **Armstrong** and Vondolia. Bioeconomic Analysis of Habitat-fishery Connections - Fishing on Cold Water Coral Reefs. *Land Economics* 92(2), 328-242, 2016.
35. Aanesen and **Armstrong**. The political game of European fisheries management. *Environmental and Resource Economics* 63(4), 745-763, 2016.
36. Falk-Anderson, **Armstrong**, Foley, Tinch, van den Hove, van Rensburg. A Deliberative Approach to Valuation and Precautionary Management of Cold Water Corals in Norway. *Maritime Studies*, 14(7), 2015.  
<http://www.maritimestudiesjournal.com/content/pdf/s40152-015-0023-z.pdf>
37. Aanesen, **Armstrong**, Czajkowski, Falk-Petersen, Hanley and Navrud. Willingness to pay for unfamiliar public goods: Preserving cold-water coral in Norway. *Ecological Economics* 117, 53-67, 2015.
38. Pörtner, Karl, Boyd, Cheung, Lluch-Cota, Nojiri, Schmidt, Zavialov, Alheit, Aristegui, **Armstrong**, Beaugrand, Belkovich, Bowler, Brewer, Church, Cooley, del Monte-Luna, Edwards, Flint, Follows, Frölicher, Fulton, Gattuso, Hoegh-Guldberg, Hofmann, Knoll, Levin, Menzel, Moloney, Perry, Poloczanska, Roberts, Rost, Sarmiento, Sedlacek, Storch, Wiencke and Wittmann. Ocean systems. In Climate change 2014: impacts, adaptation, and vulnerability. Part A: global and sectoral aspects. contribution of working group II to the fifth assessment report of the intergovernmental panel on climate change (IPCC), 411-484, Cambridge University Press, 2014.
39. Aanesen and **Armstrong**. The implications of Environmental NGO involvement in fisheries management, *Land Economics* 90 (3), 560-573, 2014.
40. **Armstrong** and Aanesen. Verdsetting av Økosystemtjenester. In *Naturressursenes Økonomi*, O. Flaaten and A. Skonhoft (eds). Cappelen, 2014.
41. Aanesen, **Armstrong**, Bloomfield and Röckmann. What does stakeholder involvement mean for fisheries management? *Ecology and Society* 19(4), 35, 2014.
42. **Armstrong**, Foley, Kahui and Grehan. Cold Water Coral Reef Management from an Ecosystem Service Perspective. *Marine Policy* 50, 126-134, 2014.
43. Reithe, **Armstrong** and Flaaten. Marine protected areas in a welfare-based perspective. *Marine Policy* 49, 29-36, 2014.
44. **Armstrong**, Eide, Flaaten, Heen, Kaspersen. Rebuilding the Northeast Arctic Cod Fisheries - Economic and Social Issues. *Arctic Review on Law and Politics*, 5(1). ISSN 1891-6252. 11 – 38, 2014.
45. Aanesen, **Armstrong** and Kahui, Økonomisk verdsetting av havmiljø. Noen eksempler fra Lofoten – Vesterålen *Samfunnsøkonomen* 127(4), 72-81, 2013.
46. **Armstrong**, Falk-Petersen and Kaspersen. Treasures in the deep. In: Marine enzymes for biocatalysis. Sources, biocatalytic characteristics and bioprocesses of marine enzymes. A. Trincone (Ed), Woodhead Publishing, Cambridge UK, 2013.
47. Falk-Petersen and **Armstrong**. To have one’s cake and eat it too – Managing the alien invasive red kind crab. *Marine Resource Economics* 28(1), 65-81, 2013.
48. **Armstrong**: Book review: The Economics and Management of World Fisheries. Trond Bjørndal and Gordon R. Munro, *Marine Resource Economics* 28, 306-306, 2013.

49. Aanesen and **Armstrong**. Stakeholder influence and optimal regulations: A common agency analysis of ecosystem based fisheries regulations. *Journal of Institutional and Theoretical Economics*. 169(2), 320-338, 2013.  
DOI:10.1628/093245613X13620416111245
50. Eide, Heen, **Armstrong**, Flaaten and Vasiliiev. Challenges and Successes in the Management of a Shared Fish Stock - The Case of the Russian-Norwegian Barents Sea Cod Fishery. *Acta Borealia* 1-20, 2013.
51. **Armstrong**, Foley, Tinch and van den Hove. Services from the Deep: Steps towards valuation of deep sea goods and services. *Ecosystem Services* 2, 2-13, 2012.
52. Aanesen, **Armstrong** and van Hoof. The changing environment of fisheries policy in Europe, *Marine Policy* 36(5), 1172–1177, 2012
53. Ngoc, **Armstrong**, and Anh. Indicators for assessing marine protected areas – the case of Nha Trang Bay Marine Protected Area in Vietnam. *Asian Fisheries Science* 25, 52-65, 2012.
54. Foley, **Armstrong**, Kahui, Mikkelsen and Reithe. A review of bioeconomic modelling of habitat-fisheries interactions. *International Journal of Ecology*, Vol 2012, Article ID 861635, 2012. <http://www.hindawi.com/journals/ijeco/2012/861635/>
55. Nhung, **Armstrong**, Kim Anh, Ngoc, and Hai Anh. Incorporating Fisheries Management into Biodiversity Conservation Policies in order to Enhance Effectiveness of MPAs: A Case Study in Cu Lao Cham MPA, Vietnam. *Fish for the People* 9(3), 39-49, 2011.
56. **Armstrong**; Book review: Game Theory and Policymaking in Natural Resources and the Environment: Ariel Dinar, José Albiac & Joaquín Sánchez-Soriano (Eds) *Journal of Natural Resources Policy Research* 3(1), 1–6, 2011
57. Foley, van Rensburg and **Armstrong**. The Rise and Fall of the Irish Orange Roughy Fishery: An Economic Analysis. *Marine Policy* 35(6), 756-763, 2011.
58. Foley, van Rensburg and **Armstrong**. The Ecological and Economic Value of Deep Water Corals. *Ocean and Coastal Management* 53, 313-326, 2010.
59. Foley, Kahui, **Armstrong** and van Rensburg: Estimating linkages between redfish and cold water coral on the Norwegian coast. *Marine Resource Economics* 25, 105-120, 2010.
60. **Armstrong**, Grehan, Kahui, Mikkelsen, Reithe and van den Hove: Bioeconomic modelling and the management of cold water coral resources. *Oceanography* 22(1), 87-91, 2009.
61. Grehan, van den Hove, **Armstrong**, Long, van Rensburg, Mikkelsen, De Mol and Hain HERMES: Promoting an Ecosystem Approach to the Sustainable Use and Governance of Deep-Water Resources. *Oceanography* 22(1) 154-165, 2009.
62. **Armstrong** and Falk-Petersen: Habitat Fisheries – a missing link. *ICES Journal of Marine Science* 65, 2008.
63. **Armstrong** and van den Hove: The formation of policy for the protection of cold-water coral off the coast of Norway. *Marine Policy* 32, 66-73, 2008.
64. **Armstrong**: Using history dependence to design a dynamic tradeable quota system under market imperfections. *Environmental and Resource Economics* 39(2), 445-457, 2008.
65. **Armstrong**: A note on the ecological-economic modelling of marine reserves. *Ecological Economics* 62, 242-250, 2007.
66. Stensbak, Nøstbakken and **Armstrong**: Fiskeflåte og strukturering: en kommentar til Strukturutvalgets NOU (Fishing fleet and restructuring: A comment on the Structural Committee's green paper). *Økonomisk Forum* Nr 7, 42-47 2006.

67. Sumaila and **Armstrong**. Distributional effects of Marine Protected Areas: A study of the North-East Atlantic cod fishery. *Land Economics*, 82(3) 321-332, 2006.
68. Wätzold, Drechsler, **Armstrong**, Baumgärtner, Grimm, Huth, Perrings, Possingham, Shogren, Skonhøft, Verboom-Vasiljev and Wissel Ecological-economic modeling for biodiversity management: Potential, pitfalls, and prospects. *Conservation Biology*, 20(4) 1034-1041, 2006.
69. **Armstrong** and Skonhøft: Marine reserves: A bio-economic model with asymmetric density dependent migration. *Ecological Economics* 57(3), 466-476, 2006.
70. Skonhøft and **Armstrong**: Conservation of wildlife. A bio-economic model of a wildlife preserve under the pressure of habitat destruction and harvesting outside the reserve. *Natural Resource Modeling* 18(1), 69-90, 2005.
71. **Armstrong**: Book review: Hannesson: The Privatisation of the Oceans. *Journal of Economics*, 84(3), 313-316, 2005.
72. **Armstrong** and Sumaila: The Namibian-South African Hake Fishery – Costs of non-cooperative management. *Ecological, Economic and Social Aspects of Namibian Fisheries*. U.R. Sumaila, S.I. Steinshamn and M.D. Skogen (eds.), Eburon, 2004.
73. **Armstrong**, Sumaila, Erastes and Msiska: An assessment of the benefits and costs of the “Namibianisation” of fisheries in Namibia. *Ecological, Economic and Social Aspects of Namibian Fisheries*. U.R. Sumaila, S.I. Steinshamn and M.D. Skogen (eds.), Eburon, 2004.
74. **Armstrong**: Theory and practice of why auctions differ - A study of two fish auctions in Norway. *Marine Policy* 25, 209-214, 2001.
75. **Armstrong** and Reithe: Marine Reserves – will they accomplish more with management costs? A comment to Hannesson’s (1998) paper. *Marine Resource Economics*, 16(2), 2001.
76. **Armstrong** and Sumaila: Optimal allocation of TAC and the implications of implementing an ITQ management system for the North-East Arctic cod. *Land Economics*, 77(3), 350-359, 2001.
77. **Armstrong** and Sumaila: Cannibalism and the optimal sharing of the North-East Atlantic cod stock: A bioeconomic model. *Journal of Bioeconomics*, 2(2), 99-115, 2000.
78. **Armstrong**: Sharing a fish resource - bioeconomic analysis of an applied allocation rule. *Environmental and Resource Economics*, 13, 75-94, 1999.
79. **Armstrong**: Sharing a fish resource - bargaining theoretical analysis of an applied allocation rule. *Marine Policy*, 22(2), 119-134, 1998.
80. **Armstrong** and Clark: Just fishing? - Equity and efficiency in fisheries management regimes. *Marine Resource Economics*, 12, 203-220, 1997.
81. **Armstrong**. Cooperative solutions in a transboundary fishery: The Russian-Norwegian co-management of the Arcto-Norwegian Cod stock. *Marine Resource Economics*, 9(3), 329-351, 1994.
82. **Armstrong** and Flaaten: The optimal management of a transboundary fish resource: The Arcto-Norwegian Cod stock. *Essays on the Economics of Migratory Fish Stocks*. R. Arnason and T. Bjørndal (eds.), Springer Verlag, 1991.

## Reports and Proceedings

1. Tinch, Foley and **Armstrong**. Ocean monetary values to support adaptive MSP. ATLAS Deliverable 5.5, 2019.

2. Ankamah-Yeboah, Bui, Hynes, Needham and **Armstrong** Willingness to Pay for Conservation in the North Atlantic Deep-Sea Ecosystems. ATLAS Deliverable 5.4, 2019.
3. Tinch, Ankamah-Yeboah and **Armstrong**. Validity, legitimacy and acceptability of ecosystem valuations. ATLAS Deliverable 5.3, 2019.
4. Hersoug, **Armstrong**, Brattland, Eythorsson, Holmgaard, Johnsen, Kvalvik, Mikkelsen, Pudél, Solås, Sandvold, Sør Dahl og Thuestad. On the use of the ecosystem service perspective in coastal zone planning. (In Norwegian; Når det blåser i fra ØST. Om bruken av økosystemtjeneste-perspektivet i kystzoneplanleggingen) Nofima Rapport 2/2019. <https://nofima.no/pub/1667387/>
5. Borges, Nielsen, Frangoudes, **Armstrong** and Borit. Conflict and trade-offs in implementing the Common Fisheries Policy (CFP) discard policy. DiscardLess deliverable D7.3, 2018 <https://zenodo.org/record/1238588#.W6NMSeRaH5p>
6. Foley, Pham and **Armstrong**. Classification and Evaluation of Ecosystem Services in Relation to Aquatic Food Provisioning in the face of Climate Change – A Scoping Study. ClimeFish deliverable D4.1, 2018.
7. Foley, **Armstrong**, Hynes, Needham and Ressurreição. Inventory of Ecosystem Services, ATLAS Deliverable 5.1, 2018.
8. **Armstrong**, Foley, Needham, Ressurreição and Vondolia. Expert assessment of risks to ecosystem services from diverse human drivers in the Atlantic deep sea, ATLAS Deliverable 5.2, 2017
9. Magnussen, Lindhjem, **Armstrong**, Bergland, Mikkelsen, Reinvang and Skjelvik. Økosystemtjenester i Barentshavet-Lofoten: Samfunnsmessige verdier og avveininger. Vista Analyse, 2013.
10. **Armstrong**, Holen, Navrud and Seifert. The Economics of Ocean Acidification – a scoping study. Fram Centre, 2012.
11. Tinch, van den Hove, **Armstrong**, Foley, van Rensburg. Integrating public values in deep sea governance. Deliverable 6.10, HERMIONE, 2012.
12. Foley, **Armstrong**, Chen, Kahui, Kaspersen, Mikkelsen and Reithe. Report on coral-fisheries interactions – theoretical and applied bioeconomic analysis. Deliverable 35 CORALFISH, 2011.
13. Tinch, van den Hove, **Armstrong**, Pattenden. Policy demands for value evidence on deep sea environments. Deliverable 6.3, HERMIONE, 2011.
14. **Armstrong**, Eide, Flaaten and Heen. The Norwegian Northeast Arctic Cod Fishery. In: The Economics of Rebuilding Fisheries. Case Studies of Fisheries Rebuilding Plans. Part 2, 202-219. OECD, 2011.
15. Piet, Röckmann, Aanesen, **Armstrong**, Le Quesne, Bloomfield, van Hal, Nolan, Velasco, Borges, Porteiro, Rui Pinho, Hily, Duchêne and Frid: Development and selection of operational management strategies to achieve policy objectives. Making the European Fisheries Ecosystem Plan Operational (MEFEPO): Work Package 5 Report, 2011.
16. Aanesen, **Armstrong** and Kahui: TEV (Total Economic Value) Analysis of a Marine Environment in Norway. In: Economics of Fish Resources and Aquatic Ecosystems: Balancing Uses, Balancing Costs. Proceedings of the Fifteenth Biennial Conference of the International Institute of Fisheries Economics and Trade (IIFET), Montpellier, France, July 13-16, 2010.
17. Raakjær, Abreu, **Armstrong**, Hegland, van Hof, Ounanian, Ramirez, Röckmann, Zetterholm, Exploring the Option of Regionalising the Common Fisheries Policy. Making the European Fisheries Ecosystem Plan Operational (MEFEPO): Work Package 4 Technical Document, 2010.

18. **Armstrong**, Burgos, Chen, Foley, Kaspersen: Collation of economic and biological time series data for Norwegian and Icelandic redfish fisheries. Deliverable D23, WP8, CoralFISH, 2010.
19. **Armstrong**, Foley, Tinch, van den Hove: Ecosystem Services of the Deep Sea. Deliverable 6.2, HERMIONE, 2010.
20. **Armstrong**, Foley, Kahui, Mikkelsen and Reithe: Bioeconomic modelling of renewable and non-renewable habitat-fisheries interactions under different management regimes - State of the art overview. Deliverable 8.1, CORALFISH, 2008.
21. **Armstrong**, Falk-Petersen, Foley, Grehan, van Oevelen, van Rensburg and Soetaert Preliminary report on the applicability of bio-economic modelling approaches for use in conjunction with HERMES ecosystem models to assess socio-economic impacts resulting from implementation of management scenarios. Deliverable 87 under WP8, HERMES, 2007.
22. Grehan, **Armstrong**, Bergstad, Edwards, Fouquet, Herrera, Person, Prikrill, Skinner, Thomsen and van den Hove Sustainable use of deep-sea resources. In The Deep-Sea Frontier: Science challenges for a sustainable future (Cochanet et.al (eds.)), European Commission, Seventh Framework Programme, Directorate General for Research, EUR 22812 EN, Belgium, 2007.
23. **Armstrong**, Foley and van Rensburg: Methodological review of socio-economic valuation of deep-water coral ecosystems. Deliverable 48 under WP8, HERMES, 2006.
24. Sumaila, Chuenpagdee, **Armstrong**, Alexander, Falk-Petersen, Heymans, Isaacs, Stephanus, and Cruz Trinidad: Report on ecosystem values. Deliverable 8.2 under WP8. INCOFISH 2006.
25. Sumaila, Chuenpagdee, **Armstrong**, Alexander, Falk-Petersen, Heymans, Isaacs, Stephanus, and Cruz Trinidad: Global Fisheries Socio-economic Database. Deliverable 8.1 under WP8. INCOFISH 2006.
26. **Armstrong**: Review of bio-economic modelling work of relevance for deep-water coral management. In: Review of Marine Protected Areas as a Tool for Ecosystem Conservation and Fisheries Management. Deliverable D2 under WP2. PROTECT 2006.
27. **Armstrong**: Economic research on marine reserves – an overview. In: Marine Protected Areas and Fisheries. Ritterhoff, J., S. Gubbay and C. Zucco (eds.). Proceedings of the International Expert Workshop held in the International Academy for Nature Conservation, Isle of Vilm, Germany 28 June – 2 July, 2004.
28. **Armstrong**, Armstrong and Reithe: A bioeconomic model of partial closures and habitat effects - The case of a migratory fish stock, Proceedings of the 12. conference for International Fisheries Economics and Trade (IIFET 2000), Tokyo, Japan, 2004.
29. Sumaila, Al-Oufi and **Armstrong**: Mangement of shared fishery resources: Theory, practise and potential applications to the fisheries of NW Indian Ocean. Proceedings of the International Conference on Fisheries, Aquaculture and Environment in the Northwestern Indian Ocean, 08-10 January, Sultan Qaboos University, College of Agricultural, Muscat, Sultanate of Oman, 2001.
30. **Armstrong**: Why fish auctions differ – theory and practise. Proceedings of the 10. conference for International Fisheries Economics and Trade (IIFET 2000), Corvallis, Oregon, 2000.
31. **Armstrong** and Sumaila: Effects of an ITQ management system for the North-East Arctic cod - the case of a technological externality. Proceedings of the 9. conference for International Fisheries Economics and Trade (IIFET 98), Tromsø, Norway, 1998.
32. **Armstrong**: Management of fish resources – the allocation between offshore and inshore. (In Norwegian Forvaltning av fiskressursene –fordelingen mellom kyst og

- hav). In: Fiskerisamfunn og offentlig styring. Arbeidsnotat 1/98, Institutt for Geografi, Universitetet i Bergen, 1998.
33. **Armstrong**, Bergland, Eide, Flåten and Larsen: The economics and regulation of the cod fishery (in Norwegian: Torskefiskets Økonomi og Regulering). Forskningsstiftelsen i Tromsø. SR0509, 1991.
34. **Armstrong**: Soviet fisheries in the North (in Norwegian: Sovjetiske Fiskerier i Nordområdene). Forskningsstiftelsen i Tromsø, SN1991-047, 1991.