



SHELLFISH SYMPOSIUM

Programme for 5–7 November in Tromsø, Norway, 2019

Click on the dates below to view the programme

5 November

6 November

7 November

Short overview

List of posters

Click on the titles below to see the presentations

5 November, 2019	
08:00	Desk opens
Opening	
08:30 to 09:10	Welcome
09:10 to 09:20	Everything that you need to know about submitting your manuscript for publication in the Shellfish Symposium issue of the ICES Journal of Marine Science Howard I. Browman
09:25 to 09:55	KEYNOTE: Dynamics of snow crab in the eastern Bering Sea and US portions of the Chukchi and Beaufort seas under climate change Gordon H. Kruse , Lauren M. Divine , Laura M. Slater , Joel B. Webb
Coffee break	
Shellfish in new and changing environments (Session A)	
10:15 to 10:20	CHAIRS: Ann-Lisbeth Agnalt , Institute of Marine Research, Norway, and Bernard Sainte-Marie , Pêches et Océans Canada, Canada
10:20 to 10:50	KEYNOTE: The American Lobster – Poster Child of a Changing Marine Ecosystem Richard A. Wahle
10:55 to 11:05	Changing Shellfish Invasions Under Climate Change: characterizing and predicting distributions and harvest opportunities Thomas Therriault , Devin Lyons , Claudio DiBacco , Ben Lowen
11:10 to 11:20	Pacific oysters in Scandinavian waters; harvesting potential and impact on local bivalves Ane T. Laugen , Matthias Obst , Åsa Strand
11:25 to 11:35	Challenges facing a lobster stock on the 'losing' end of climate change Tracy L. Pugh , Robert P. Glenn
Lunch	
12:45 to 12:55	Snow crab (<i>Chionoecetes opilio</i>), a new food item for North-East Arctic cod (<i>Gadus morhua</i>) in the Barents Sea? Rebecca E. Holt , Carsten Hvingel , Ann Lisbeth Agnalt , Andrey V. Dolgov , Ann Merete Hjelset , Bjarne Bogstad
13:00 to 13:10	Assessing the life history of soft-shell clams (<i>Mya truncata</i>) of Baffin Island, Canada: Implications for sustainable Arctic fisheries Jessica Wood , Meghan Donovan , Scott M. Grant
13:15 to 13:25	Observations and monitoring the possible disappearance of local blue mussel populations in Norway – Mussels on the move? Tore Strohmeier , Stein Mortensen , Ellen. S. Grefsrud , Lars-Johan Naustvoll , Øivind Strand
13:30 to 13:40	An investigation of annual and biennial reproductive cycles for Eastern Bering Sea snow crab (<i>Chionoecetes opilio</i>), 2014-2018 Jennifer Gardner , Katherine Swiney , Robert Foy , Christopher Long
13:45 to 13:55	Temporal and spatial dynamics of the invasive red king crab and native brachyuran and anomuran larvae in Norwegian waters Helena Kling Michelsen , Einar Magnus Nilssen , Torstein Pedersen , Camilla Svensen
14:00 to 14:10	Stomach content of the snow crab (<i>Chionoecetes opilio</i>) from the Barents Sea Jan H. Sundet , Caroline Aas Tranang , Einar M. Nilssen , Maria Jenssen
14:15 to 14:25	Temperature effects on snow crab (<i>Chionoecetes opilio</i>) growth and size after terminal molt Bernard Sainte-Marie , Jean-François Ouellet , Hélène Dionne
14:30 to 14:40	Temperature effects on growth and molt regulatory genes in red king crab Øivind Andersen , Hanne Johnsen , Tina Thesslund , Ragnhild Stenberg Berg , Sten Siikavuopio , Donald Mykles , Astrid Wittmann
Coffee break	
15:00 to 15:10	Predicting the impact of climate change on spatial patterns of early life connectivity for snow crab (<i>Chionoecetes opilio</i>) in the eastern Bering Sea using an Individual-Based Model William T. Stockhausen , Michael Torre , Christine Stawitz , Albert J. Hermann , Wei Cheng , Kelly Kearney , Kerim Aydin , Cody
15:15 to 15:25	Understanding the early life history of the invading snow crab (<i>Chionoecetes opilio</i>) in the Barents Sea Mats Huserbråten , Carsten Hvingel , Hanna Danielsen , Ann-Lisbeth Agnalt
15:30 to 15:40	Retention of red king crab (<i>Paralithodes camtschaticus</i>) larvae in a sub-arctic fjord system – A modeling study Ole Petter Pedersen , Einar Magnus Nilssen , Dag Slagstad
15:45 to 15:55	Warming in the Arctic and distribution of the northern shrimp in the Barents Sea and adjacent waters Denis V. Zakharov
16:00 to 16:10	Invasion of the Atlantic rock crab (<i>Cancer irroratus</i>) to Europe Sindri Gíslason , Snæbjorn Palsson , Hermann Dreki Guls , Jorundur Svavarsson , Jonas Pall Jonasson , Halldor P. Halldorsson
16:15 to 16:25	Decadal fluctuations of <i>Nephrops norvegicus</i> in Icelandic waters Jonas Pall Jonasson , Julian Burgos
16:30 to 16:40	The toxicity of the chemotherapeutant, hydrogen peroxide, on European Lobster (<i>Homarus gammarus</i>) larvae and post-larvae Rosa Helena Escobar Lux , Aoife E. Parsons , Ole B. Samuelsen , Ann-Lisbeth Agnalt
16:45 to 16:55	The recent expansion of the Pacific oyster, <i>Cassostrea gigas</i>, in Denmark Pedro S. Freitas , Pernille Nielsen , Antonio Agüera García , Camille Saurel , Jens K. Petersen
17:00 to 17:25	Discussion
17:30 to 18:30	Poster exhibition
19:00 to 20:00	Guided city walk
20:00	Visit at Full Steam with light dinner

Click on the titles below to see the presentations

6 November, 2019	
08:30	Desk opens
Managing shellfish fisheries (Session D)	
09:00 to 09:05	CHAIRS: Alf Håkon Hoel, The Arctic University of Norway, Norway and Poul Degnbol, University of Aalborg, Denmark
09:05 to 09:25	KEYNOTE: Norwegian fisheries management – shellfish Elisabeth Sørdaahl on behalf of Vidar J. Landmark
09:30 to 09:50	KEYNOTE: How to govern ungovernable objects? Jahn Petter Johnsen
09:55 to 10:05	Russian scallop fishery: happiness or experience? Igor E. Manushin, Darya Yu. Blinova (Presenter: Konstatin Sokolov)
10:10 to 10:20	Bycatches of the red king crab in bottom fish fishery in the Russian waters of the Barents Sea. Assessment and regulations Alexey V. Stesko , Sergey V. Bakanev
10:25 to 10:35	Russian fishery for red king crab in the Barents Sea: results of first decades Konstantin M. Sokolov , Sergey V. Bakanev
Coffee break	
10:55 to 11:05	Sustainability in the management of two important arctic crabs: the red king crab (<i>Paralithodes camtschaticus</i>) and the snow crab (<i>Chionoecetes opilio</i>) Jan H. Sundet , Alf Håkon Hoel
11:10 to 11:20	Snow crab in the Barents Sea – winner or villain? Cecilie Hansen , Erik Askov Mousing, Carsten Hvingel
11:25 to 11:35	Does population genetic structure in Norway lobster (<i>Nephrops norvegicus</i>) call for a revision of the current management in Kattegat, Skagerrak, and the Norwegian deep? Jon-Ivar Westgaard, Guldborg Søvik , Torild Johansen
11:40 to 11:50	Managing the Confluence of Climate and Fishing Effects in Snow Crab Darrell Mullowney
11:55 to 12:05	Walking a Tight Line: Management of a New Arctic Fishery In the Presence of Spatially Differentiated Ecological-Economic Externalities Linda Fernandez , Brooks Kaiser, Melina Kourantidou
12:10 to 12:20	Ecological and Economic Globalization in Arctic and sub-Arctic Crab Fisheries Brooks A. Kaiser , M Kourantidou, D Ahsan, S Bakanev, A Burmeister, G Eckert, L.M. Fernandez, H.P. Hong, A.A. Monsalve, D. Mullowney, A. Nielsen, B.H. Nøstvold, H. Park, E. Poulsen, L. Ravn-Jonsen, C. Siddon, J.H. Sundet, K. Tokunaga, M. Yamamoto
12:25 to 12:35	Stock Management – balancing security and innovation Björg Helen Nøstvold , Gøril Voldnes
Lunch	
13:50 to 14:00	Catches in abandoned snow crab pots in the Barents Sea Lasse Krøger Eliassen , Odd-Børre Humborstad, Ann Merete Hjelseth, Anette Hustad, Svein Løkkeborg, Gustav Martinsen, Sten Siikavuopio, Martin Wiech
14:05 to 14:15	Who's on the line, please? Using telephone surveys to learn more about the southern Gulf of St. Lawrence American lobster fishery Stephanie A. Boudreau , David Giard
14:20 to 14:30	The third dimension of sustainable aquaculture: social well-being. The case of France, Italy and Spain Marianna Cavallo , José A. Pérez Agúndez, Pascal Raux, Katia Frangoudes
14:35 to 15:00	Discussion
Coffee break	
New ways of harvesting shellfish (Session C)	
15:20 to 15:25	CHAIRS: Sten I. Siikavuopio, Nofima, Norway and Svein Løkkeborg, Institute of Marine Research, Norway
15:25 to 15:55	KEYNOTE: The Ups and Downs of Trap Fishing Bradley Stevens
16:00 to 16:10	Sea urchin harvesting in Norway: a challenge for past and present! Philip James
16:15 to 16:25	Alternative bait trials in the Barents Sea snow crab fishery Tomas Araya-Schmidt , Leonore Olsen, Lasse Rindahl, Roger B. Larsen, and Paul D. Winger
16:30 to 16:40	Lights! Sound! Action? The Effects of Novel Stimuli on the Catch Rates of Snow Crab (<i>Chionoecetes opilio</i>) Meghan Donovan , Khanh Q. Nguyen, Jessica Wood, Paul D. Winger, Svein Løkkeborg, Odd-Børre Humborstad, Shannon M. Bayse
16:45 to 16:55	Injury scoring of King crab (<i>Paralithodes camtschaticus</i>) and Snow crab (<i>Chionoecetes opilio</i>) after capture and live holding Anette Hustad
17:00 to 17:10	Live holding of red king crab (<i>Paralithodes camtschaticus</i>) – Effect of time, temperature and feeding on the quality of processed clusters Federico Lian , Grete Lorentzen, Sten Ivar Siikavuopio
17:15 to 18:15	Poster exhibition
19:00	Conference dinner

7 November, 2019

08:30 Desk opens

New ways of harvesting shellfish (Session C)

09:00 to 09:10 **Live transport of *Pandalus borealis***

Wenche E. Larssen, [Snorre Bakke](#), Anja M. Landes

09:15 to 09:25 **Snow crab (*Chionoecetes opilio*) clusters, effect of processing**

[Grete Lorentzen](#), Lian, F., [Rotabakk, B.T.](#), [Hustad, A.](#), [Lindberg, Måge, I., D.](#), [Agersborg Røhme, A.](#), [Johannessen, E.](#), [Vanglo Grastveit, K.](#), [Schrødter, E.](#), [Medeiros, T.](#), [Grip, A.E.](#), & [Siikavuopio, S.I.](#)

09:30 to 09:40 **How to optimally take care of a new shellfish resource? – the case of Norwegian Snow crab**

[Gøril Voldnes](#), [Björg Helen Nøstvold](#)

09:45 to 09:55 Discussion

Assessment and population dynamics of shellfish (Session B)

10:00 to 10:05

CHAIRS: [Carsten Hvingel](#), Institute of Marine Research, Norway and [Gordon H. Kruse](#), University of Alaska Fairbanks, U.S.A

10:10 to 10:40 **KEYNOTE: Challenges in assessing Bering Sea crab: a changing environment, non-stationary population dynamics, and mass mortalities**

[Cody Szuwalski](#)

Coffee break

11:00 to 11:10 **The great scallop *Pecten maximus* a fishery resource on the move northwards?**

[Ellen Sofie Grefsrud](#), [Tore Strohmeier](#), [Øivind Strand](#)

11:15 to 11:25 **The Icelandic sea urchin resources – Stock assessment and management**

[Gudrun G. Thorarinsdóttir](#)

11:30 to 11:40 **A quantitative multi-species dive survey program for monitoring benthic marine invertebrates in British Columbia, Canada**

[Dominique Bureau](#), [Janet Lothead](#)

11:45 to 11:55 **Can a simple stock assessment model work? – lessons learnt through 20 years in a shrimp fishery advisory process**

[Carsten Hvingel](#), [AnnDorte Burmeister](#), [Frank Rigét](#)

12:00 to 12:10 **Management of a small fjord shrimp population**

[Ingibjörg G. Jónsdóttir](#)

12:15 to 12:25 **Estimation of Key Population Parameters and MSY-based Reference Points for Sidestripe Shrimp (*Pandalopsis dispar*, Rathbun, 1902) in Shrimp Management Area Fraser River, British Columbia, Canada**

[Zane Zhang](#), [Ken Fong](#)

Lunch

13:35 to 13:45 **Effects of no-take zones on the dynamics of Northern shrimp (*Pandalus borealis*) – a case study from fjord systems in North-Norway**

[Fabian Zimmermann](#), [Trude Hauge Thangstad](#), [Kjell Nedreaas](#), [Hans Kristian Strand](#), [Guldborg Søvik](#)

13:50 to 14:00 **Populations indices of Norway lobster (*Nephrops norvegicus*) in Skagerrak and Norwegian Deep derived from trawl survey data**

[Carsten Hvingel](#), [Guldborg Søvik](#), [Ann Merete Hjelset](#)

14:05 to 14:15 **The increasing recreational trap fishery for Norway lobster (*Nephrops norvegicus*) along the southwestern coast of Norway – insights from a baseline study**

[Alf Ring Kleiven](#), [Fabian Zimmermann](#), [Merete Vik Ottesen](#), [Sigurd Heiberg](#), [Mats Ulmestrand](#), [Guldborg Søvik](#)

14:20 to 14:30 **From the Adriatic to Northern Norway – Geographic differences in moult increment of the European Lobster *Homarus gammarus***

[Matthew T. Coleman](#), [Michael C. Bell](#)

14:35 to 14:45 **Past and future population growth and range expansion of the introduced species of red king crab (*Paralithodes camtschaticus*) off Northern Norway**

[Carsten Hvingel](#), [Einar M. Nilssen](#), [Ann Merete Hjelset](#), [Franz Mueter](#), [Jan H. Sundet](#)

14:50 to 15:00 **Abundance and Spatial Distribution of Brown Crab (*Cancer pagurus*) from Fishery-Independent Dredge and Trawl surveys in the North Sea**

[Carlos Mesquita](#), [Paul G. Fernandes](#), [Helen Dobby](#), [Graham J. Pierce](#)

Coffee break

15:20 to 15:30 **Can cod count crabs? – Abundance of the invading snow crab in the Barents Sea estimated through cod stomach analysis**

[Carsten Hvingel](#), [Rebecca E. Holt](#), [Kristin Windsland](#), [Andrey V. Dolgov](#), [Ann Merete Hjelset](#), [Ann-Lisbeth Agnalt](#), [Bjarte Bogstad](#)

15:35 to 15:45 **Seasonal variations in the meat and by-product quality of the snow crab (*Chionoecetes opilio*) in Barents Sea**

[Runar G. Solstad](#), [Alexandre Descomps](#), [Birth Vang](#), [Rasmus Karstad](#), [Sten Ivar Siikavuopio](#), [Ragnhild Whitaker](#)

15:50 to 16:15 Discussion

16:20 to 16:45 Closing

4 November, 2019

18:30

Registration and Ice-breaker at IMR at Framsenderet

5 November, 2019		6 November, 2019		7 November, 2019	
08:00	Desk opens	08:30	Desk opens	08:30	Desk opens
Opening		Managing shellfish fisheries (D)		New ways of harvesting shellfish (C)	
08:30 to 09:10	Welcome	09:00 to 09:05	CHAIRS: Hoel & Degnbol	09:00 to 09:10	Bakke
09:10 to 09:20	About submitting your manuscript	09:05 to 09:25	KEYNOTE: Landmark	09:15 to 09:25	Lorentzen
09:25 to 09:55	Opening KEYNOTE	09:30 to 09:50	KEYNOTE: Johnsen	09:30 to 09:40	Voldnes
	Coffee break	09:55 to 10:05	Sokolov	09:45 to 09:55	Discussion
Shellfish in new and changing environments (A)		10:10 to 10:20	Stesko	Assessment and population dynamics of shellfish (B)	
10:15 to 10:20	CHAIRS: Agnalt & Sainte-Marie	10:25 to 10:35	Sokolov	10:00 to 10:05	CHAIRS: Hvingel & Kruse
10:20 to 10:50	KEYNOTE: Wahle		Coffee break	10:10 to 10:40	KEYNOTE: Szuwalski
10:55 to 11:05	Therriault	10:55 to 11:05	Sundet		Coffee break
11:10 to 11:20	Laugen	11:10 to 11:20	Hansen	11:00 to 11:10	Strand
11:25 to 11:35	Pugh	11:25 to 11:35	Søvik	11:15 to 11:25	Thorarinsdóttir
	Lunch	11:40 to 11:50	Mullowney	11:30 to 11:40	Bureau
12:45 to 12:55	Bogstad	11:55 to 12:05	Fernandez	11:45 to 11:55	Hvingel
13:00 to 13:10	Wood	12:10 to 12:20	Kaiser	12:00 to 12:10	Jónsdóttir
13:15 to 13:25	Strand	12:25 to 12:35	Nøstvold	12:15 to 12:25	Zhang
13:30 to 13:40	Gardner		Lunch		Lunch
13:45 to 13:55	Michelsen	13:50 to 14:00	Eliassen	13:35 to 13:45	Zimmermann
14:00 to 14:10	Sundet	14:05 to 14:15	Boudreau	13:50 to 14:00	Søvik
14:15 to 14:25	Sainte-Marie	14:20 to 14:30	Cavallo	14:05 to 14:15	Zimmermann
14:30 to 14:40	Andersen	14:35 to 15:00	Discussion	14:20 to 14:30	Coleman
	Coffee break		Coffee break	14:35 to 14:45	Hvingel
15:00 to 15:10	Stockhausen	New ways of harvesting shellfish (C)		14:50 to 15:00	Mesquita
15:15 to 15:25	Huserbråten	15:20 to 15:25	CHAIRS: Siikavuopio & Løkkeborg		Coffee break
15:30 to 15:40	Pedersen	15:25 to 15:55	KEYNOTE: Stevens	15:20 to 15:30	Hvingel
15:45 to 15:55	Zakharov	16:00 to 16:10	James	15:35 to 15:45	Descomps
16:00 to 16:10	Gislason	16:15 to 16:25	Araya-Schmidt	15:50 to 16:15	Discussion
16:15 to 16:25	Jonasson	16:30 to 16:40	Donovan	16:20 to 16:45	Closing
16:30 to 16:40	Escobar Lux	16:45 to 16:55	Hustad		
16:45 to 16:55	Freitas	17:00 to 17:10	Lian		
17:00 to 17:25	Discussion	17:15 to 18:15	Poster exhibition		
17:30 to 18:30	Poster exhibition	19:00	Conference dinner		
19:00 to 20:00	Guided city walk				
20:00	Visit at Full Steam with light dinner				

Posters presented at the Shellfish symposium

Poster ID	Title and authors
1	The effects of climate change on economically important filter feeders Rastrick S.P.S., Jiang Z.J., Wang X.Q., Graham H.E., Collier V., Whiteley N.M., Strohmeier T., Fang J.G., Strand Ø.
2	Aborigens vs. invaders : role of crabs in diet of demersal fishes in the Barents Sea Andrey V. Dolgov, Aleksandr N. BenzikO. Yu Chetyrkina
3	Red is better – northern shrimp and other shrimps in diet of fish in the Barents Sea Andrey V. Dolgov, Aleksandr N. Benzik, O. Yu Chetyrkina
4	Structure and long-term dynamics of zoobenthos communities on the scallop beds near the Kola Peninsula Tatiana B. Nosova, Igor E. Manushin, Denis V. Zakharov
5	High values of cadmium in brown crab <i>Cancer pagurus</i> from Northern Norway: A result of a changing environment? Martin Wiech, Sylvia Frantzen, Arne Duinker, Amund Maage
6	Trophic level estimates of shellfish and other groups in the Barents Sea, do estimates from Ecopath mass-balance models and stable isotopes differ? Torstein Pedersen
7	The snow crab (<i>Chionoecetes opilio</i>) – growth potential and constraints in the Barents Sea based on benthic secondary production Mona Maria Fuhrmann, Børge Holte, Anne Helene Solberg Tandberg, Ann Merete Hjelset
8	Ecology and management of the invasive snow crab: Predicting expansion, impacts and sustainability in the Arctic under climate change (EISA) Paul Renaud, Sabine Cochrane, Marta Coll, Eivind Oug
9	The migratory behavior and area utilization of red king crab (<i>Paralithodes camtschaticus</i>) in newly invaded Norwegian coastal areas Magnus Aune, Jenny Jensen, Sten Siikavuopio, Guttorm Christensen, Kåre Tormod Nilsen
10	Dynamics of trap catches and spatial distribution of the red king crab males and females in the Russian part of the Varanger fjord in 2008-2018 Alexey V. Stesko
11	Development of the fishery for snow crab (<i>Chionoecetes opilio</i>) in the Barents Sea in the period 2012-2018 Ann Merete Hjelset, Hanna Ellérine Helle Danielsen
12	Using an individual-based model (IBM) driven by a Regional Ocean Modeling System (ROMS) to evaluate potential impacts of climate change on broad-scale patterns of larval dispersal and settlement of Snow Crab Michael P. Torre, William T. Stockhausen
13	Feeding adult Iceland scallops with particulate organic waste from fin fish aquaculture Sissel Andersen, Ellen Sofie Grefsrud, Siri Aaserud Olsen og Sonnich Meier
14	Recent mass strandings of krill (Euphausiacea) along the Norwegian coast Guldborg Søvik, Padmini Dalpadado, Tone Falkenhaus, Jon Rønning, Pål Næverlid Sævik, Maria Jenssen, Marita Larsen, Trude Hauge Thangstad, Ann-Lisbeth Agnalt, Ole B. Samuelsen
15	Snow crab (<i>Chionoecetes opilio</i>) diet against benthic communities in the habitat of crabs in the Barents Sea Denis V. Zakharov, Igor E. Manushin, Natalya A. Strelkova, Valeriy A. Pavlov, Tatiana B. Nosova
16	Size of maturity in snow crab (<i>Chionoecetes opilio</i>) in the Barents Sea Hanna Ellérine Helle Danielsen, Ann Merete Hjelset, Ann-Lisbeth Agnalt
17	Thermal tolerance of invasive red king crab (<i>Paralithodes camtschaticus</i>) larvae from the Barents Sea Helena Kling Michelsen, Maria Sparboe, Einar M. Nilssen, Anne Helena Kettunen, Sten I. Siikavuopio and Jørgen S. Christiansen
18	Energy requirements of immature male red king crab <i>Paralithodes camtschaticus</i> investigated at two different temperatures Sten I. Siikavuopio, Bjørn-Steinar Sæther, Maria Sparboe and Jørgen S. Christiansen
19	Population dynamics and stock assessment of the soldier striped shrimp <i>Plesionika edwardsii</i> (brandt, 1851) in the mid-north Atlantic Ocean (Azores archipelago) Medeiros-Leal, W.M., Santos, R.V.S., Nova-Pabon, A.M., Isidro, E.J.L.F., Melo, O.B.M.L., Pinho, M.R.
20	Biological and ecological aspects of unexploited virgin <i>Plesionika edwardsii</i> (Crustacea: Decapoda: Pandalidae) populations in the Mid-North Atlantic Régis V. S. Santos, Wendell M. M. L. Silva, Ana M. Novoa-Pabon, Mário R. Pinho, Eduardo J. Isidro, Octávio Melo.
21	New estimates of weight-at-size, maturity-at-size, fecundity, and biomass of snow crab, <i>Chionoecetes opilio</i>, in the Arctic Ocean off Alaska Divine, LM, Mueter FJ, Kruse GH, Bluhm BA, Jewett SC, Iken K
22	Investigating the performance of a roller footgear in the Nunavut offshore shrimp fishery using underwater video Tomas Araya-Schmidt, Winger P. D., Santos, M., Moret, K., DeLouche, H., Legge, G., Walsh, P., Donovan, M., Bayse, S. M.
23	Towards sustainable utilization of crab by-products Diana Lindberg, Runar G. Solstad, Jan Arne Arnesen, Ragnhild D. Whitaker
24	Hurdles and possibilities for management of the invasive Pacific oyster in Scandinavia using small-scale fisheries Ane T. Laugen, Asa Strand, Lars-Johan Naustvoll, Per Dolmer, Stein Mortensen
25	Fishery of the orange-footed sea cucumber (<i>Cucumaria frondosa</i>) in Iceland: „Klondike“ or sustainable practice? Jonas P. Jonasson, Gudrun G. Thorarinsdottir