

Northwest Atlantic Fisheries Organization



**Report of the NAFO Commission Intersessional Meeting concerning  
Fishing Regime for Shrimp in Division 3M**

18 September 2022  
Porto, Portugal

NAFO  
Halifax, Nova Scotia, Canada  
2022

Report of the NAFO Commission,  
18 September 2022

**Report of the NAFO Commission Intersessional Meeting concerning  
Fishing Regime for Shrimp in Division 3M**

18 September 2022  
Porto, Portugal

1.	Opening by the Acting Chair, Deirdre Warner-Kramer (USA) .....	3
2.	Appointment of Rapporteur .....	3
3.	Adoption of Agenda .....	3
4.	Proposals regarding the Allocation Regime for Shrimp in Division 3M .....	3
5.	Discussion on Future Allocation Regime for Shrimp in Division 3M .....	4
6.	Other business .....	5
7.	Adoption of Report .....	6
8.	Adjournment .....	6
	Annex 1. List of Participants.....	7
	Annex 2. Agenda .....	13
	Annex 3. Catch and Effort Data on 3M Shrimp (COM WP 22-05 Rev.5).....	14
	Annex 4. Discussion Papers and Proposals.....	19



## Report of the NAFO Commission Intersessional Meeting concerning Fishing Regime for Shrimp in Division 3M

18 September 2022  
Porto, Portugal

### 1. Opening by the Acting Chair, Deirdre Warner-Kramer (USA)

The meeting was opened on Sunday, 18 September 2022 at 09:30 hours in Palacio do Bolsa, Porto, Portugal. The acting Chair of the Commission, Deirdre Warner-Kramer (USA) welcomed delegates from Canada, Denmark (in respect of the Faroe Islands and Greenland), European Union, France (in respect of St. Pierre et Miquelon), Iceland, Japan, Norway, Russian Federation, Ukraine and United States of America (Annex 01) to the meeting in her opening remarks.

### 2. Appointment of Rapporteur

The NAFO Secretariat (Fred Kingston, Executive Secretary, and Ricardo Federizon, Senior Fisheries Management Coordinator) was appointed as Rapporteur.

### 3. Adoption of Agenda

The provisional agenda previously circulated to all Contracting Parties in NAFO/22-192 on 20 July 2022 was adopted (Annex 02).

### 4. Proposals regarding the Allocation Regime for Shrimp in Division 3M

In advance of this meeting, the Secretariat compiled fisheries statistics pertaining to this stock covering 1993-2021. The compilation comprises two tables: 1) the nominal catches as reported by flag States in STATLANT 21, and 2) catches and effort (in terms of fishing days used) from the original reports by flag States in compliance with the reporting obligations required in the NAFO Conservation and Enforcement Measures. Contracting Parties reviewed the compilation for accuracy and provided corrections where needed. These tables serve to ensure that Contracting Parties use the same data set in the exercise of developing proposals on TAC (Total Allowable Catch)-based allocation model. The updated compilation is presented in Annex 3.

In advance of this meeting, discussion papers and proposals were sought intersessionally leading to this meeting. Contracting Parties presented their submissions. The following highlight the views and the main elements of the proposals (Annex 04):

- **Ukraine:** a minimum individual catch quota 2% of catch limit (for each Party), and the rest of the catch limit can be distributed to the Parties according to their historical catch during the last 10 years. (COM WP 22-01).
- **Norway:** The proposal is based on a model which has 1) a fifty-fifty weighing of allocated effort and realised fishing activity between 1993-2010, and 2) gives equal weighting of every year of in the 1993-2010 period of catch history (COM WP 22-06).
- **European Union:** The quota allocation is a blended formula with the following building blocks: current allocation key for effort days, 2) historical catches, 3) weighting of different fishing periods based on realized fishing patterns (COM WP 22-20).

Report of the NAFO Commission,  
18 September 2022

- **France (in respect of St. Pierre et Miquelon):** change in fishing regime [from effort based to TAC-based] must lead to an economically viable situation for each Contracting Party, including those which have currently a low number of fishing days (COM WP 22-08).
- **Iceland:** supports adopting a fishing regime for 3M Shrimp that is based on TAC and quota rather than fishing effort and allocates fishing opportunities among the Contracting Parties on the basis of historical catches rather than historical fishing effort (COM WP 22-09).
- **Russian Federation:** supports a direct transition of fishing days percentage to the proportional TAC percentage (COM WP 22-10).
- **Denmark (in respect of the Faroe Islands and Greenland):** supports considering an output-based management regime based on TAC and quota allocations (COM WP 22-11).
- **Canada:** With respect to considering an allocation regime for this stock, Contracting Parties are obliged to consider Article VI (12) of the Convention, which requires taking into account the interest of the relevant coastal States and giving special consideration to the Contracting Party that has undertaken extensive efforts to ensure the conservation of NAFO stocks through international action, in particular monitoring, control, and surveillance activities to ensure the enforcement of NAFO's conservation and enforcement measures (COM WP 22-12).

## 5. Discussion on Future Allocation Regime for Shrimp in Division 3M

Noting the SC's recommendation to convert the management regime to catch regulation in line with all other stocks in the NAFO Regulatory Area, there was broad support on moving to a TAC-based regime in order to ensure the effective and sustainable management of this stock. The immediate challenge was how to develop the TAC-based allocation scheme. In reviewing and discussing the proposals, and noting that the Commission had previously discussed the idea of using allocated effort and historical catches as building blocks for a conversion to a TAC-based regime, the following factors to consider in a TAC allocation scheme were identified and discussed (presented here not in the order of importance nor relevance):

- Which elements of historical data – time periods, effort allocations, catch, etc. – may factor into a new allocation arrangement,
- How to weight the various components of the historical data,
- Whether to set a minimum percentage level for small harvesters,
- How to reflect the key elements for allocation decisions set out in Article VI paragraph 12 of the Convention – i.e.:
  - *“...take into account the interests of Contracting Parties whose vessels have traditionally fished within that area and the interests of the relevant coastal States...”,* and
  - *“... in the allocation of fishing opportunities from the Grand Bank and Flemish Cap, the Commission shall give special consideration to the Contracting Party whose coastal communities are primarily dependent on fishing activities for stocks related to these fishing banks and which has undertaken extensive efforts to ensure the conservation of such stocks through international action...”*

With regards to historical data, there were discussions as to whether fishing history should be divided into several periods.

The proposals of EU and Norway outline a methodology by showing simulations of different scenarios, both a step-by-step approach by starting with the data for allocated effort and historical catches. The calculated weight factors could be adjusted if additional factors, such as those mentioned above, were to be incorporated.

Contracting Parties generally supported further developing this overall approach. One Contracting Party, however, expressed concern about the sequence in the step-by-step approach noting that the consideration of other factors after the historical catch and effort data would relegate those components to secondary factors. Another Contracting Party expressed that value-judgement on the factors should be avoided as they are equally important.

Attempts to resolve the issue in assigning percentage allocation among Contracting Parties were unsuccessful despite the bilateral and multilateral consultations among the Contracting Parties during this meeting.

With this impasse, the Commission agreed to continue the deliberations and negotiations at the Annual Meeting (see agenda item 21.c of the NAFO 44<sup>th</sup> Annual Meeting report in COM Doc. 22-27). The European Union and Norway indicated that a draft joint proposal would be circulated to Contracting Parties for the continuation of the discussions (COM WP 22-45).

The Chair summarized the deliberations and proposed the following steps in order to move the process forward:

- 1) Contracting Parties coordinate with the Secretariat in providing corrections and update to the 3M shrimp fisheries data (Rapporteur's note: the fisheries data presented in Annex 4 are updated as of 19 September 2022).
- 2) Contracting Parties, especially the European Union and Norway, collaborate and continue the constructive consultations to advance the mathematical model of a TAC-based allocation scheme based on their two proposals. The Chair welcomed Canada's willingness to collaborate with the European Union and Norway in developing a common model.
- 3) Contracting Parties strike a balance among which historical data to use, i.e., the combination of catch, effort allocation, years/historic periods.
- 4) Contracting Parties figure out the weighing factors under the umbrella of the historical data, and
- 5) Contracting Parties incorporate the three elements that are called for in the Convention, namely
  - a) historical fishing levels
  - b) the interests of relevant coastal states, and
  - c) special consideration to the Contracting Party (Canada).
- 6) Contracting Parties consider how to incorporate special considerations for access by small harvesters (economic viability).

Furthermore, Contracting Parties were urged to exercise flexibility in developing the allocation scheme that reflects the balance of the interests of Contracting Parties.

## 6. Other business

There was no further matter discussed under this agenda item.

Report of the NAFO Commission,  
18 September 2022

### **7. Adoption of Report**

The meeting report was adopted by correspondence.

### **8. Adjournment**

The meeting was adjourned at 16:00 hours on 18 September 2022.



**Annex 1. List of Participants****NAFO ACTING CHAIR OF THE COMMISSION**

Warner-Kramer. Deirdre (USA). Acting Deputy Director, Office of Marine Conservation (OES/OMC), U.S.  
Department of State, Washington, DC 20520, USA  
Tel +1 202 647 2883 – Email: [warner-kramerdm@fan.gov](mailto:warner-kramerdm@fan.gov)

**CANADA**

Bonnell, Carey. Vice President of Sustainability and Engagement. Ocean Choice International. 22 Wedgeport  
Road, St. John's, NL A1A 5A6  
Tel: +1 902 782 6244 – Email: [cbonnell@oceanchoice.com](mailto:cbonnell@oceanchoice.com)

Burns, Adam. A/Assistant Deputy Minister, Fisheries Harbour Management, Fisheries and Oceans Canada, 200  
Kent Street, Ottawa, ON K1A 0E6  
Tel.: +1 613-993-6853 - Email: [Adam.Burns@dfo-mpo.gc.ca](mailto:Adam.Burns@dfo-mpo.gc.ca)

Chapman, Bruce. President, Atlantic Groundfish Council  
Tel: +1 613 692-8249 – Email: [bchapman@atlanticgroundfish.ca](mailto:bchapman@atlanticgroundfish.ca)

Diamond, Julie. Manager, Groundfish and International, Fisheries Management, Fisheries and Oceans Canada,  
Northwest Atlantic Fisheries Centre, 80 East White Hills, St John's, NL A1C 5X1  
Email: [Julie.Diamond@dfo-mpo.gc.ca](mailto:Julie.Diamond@dfo-mpo.gc.ca)

Edgar, Leigh. Senior Fisheries and Aquaculture Management Officer, Fisheries and Oceans Canada, 200 Kent  
Street, Ottawa, ON K1A 0E6  
Email: [Leigh.Edgar@dfo-mpo.gc.ca](mailto:Leigh.Edgar@dfo-mpo.gc.ca)

Fagan, Robert. Senior Resource Manager. Fisheries Management, Fisheries and Oceans Canada, Northwest  
Atlantic Fisheries Centre, 80 East White Hills Road, St. John's, NL, A1C 5X1  
Tel: +1 709 772-2920 – Email: [Robert.Fagan@dfo-mpo.gc.ca](mailto:Robert.Fagan@dfo-mpo.gc.ca)

Johnson, Kate. Senior Policy Advisor, International Fisheries Policy, Fisheries and Oceans Canada, 200 Kent  
Street, Ottawa, ON K1A 0E6  
Email: [Kate.Johnson@dfo-mpo.gc.ca](mailto:Kate.Johnson@dfo-mpo.gc.ca)

McNamara, Brian. Board Chairman, Newfoundland Resource Ltd.  
Tel: +1 (709) 685-1110 – Email: [brian@newfoundresources.com](mailto:brian@newfoundresources.com)

O'Rielly, Alastair. NAFO Commissioner, Executive Director, Northern Coalition Corporation, P.O. Box 452 Witless  
Bay, NL, A0A 4K0,  
Tel: +1 709 727-3290 – Email: [alastairorielly@gmail.com](mailto:alastairorielly@gmail.com)

Roberts, Lorelei. Assistant Deputy Minister, Fisheries, Forestry and Agriculture. Government of Newfoundland  
and Labrador, Confederation Building, 30 Strawberry Marsh Rd., St. John's, NL A1B 4J6  
Tel: +1 709 729-3765 – Email: [lroberts@gov.nl.ca](mailto:lroberts@gov.nl.ca)

Rowell, Nicole. Director, Fisheries, Forestry and Agriculture, Government of Newfoundland and Labrador, 30  
Strawberry Marsh Rd., St. John's, NL A1B 4R4  
Tel: +1 709 729-0335 – Email: [nicolerowell@gov.nl.ca](mailto:nicolerowell@gov.nl.ca)

Sheppard, Beverley. Manager, Harbour Grace Shrimp Co. Ltd., P. O. Box 580, Harbour Grace, NL A0A 2M0  
Tel: +1 709 589-8000 – Email: [bsheppard@hgsc.ca](mailto:bsheppard@hgsc.ca)

Turple, Justin. Director, International Fisheries Policy, Fisheries and Oceans Canada, 200 Kent Street, Ottawa, ON  
K1A 0E6  
Email: [Justin.Turple@dfo-mpo.gc.ca](mailto:Justin.Turple@dfo-mpo.gc.ca)



Report of the NAFO Commission,  
18 September 2022

Walsh, Ray. Director, Resource Management & Indigenous Fisheries, Fisheries Management, Fisheries and Oceans Canada, Northwest Atlantic Fisheries Centre, 80 East White Hills, St. John's, NL A1C5X1  
Tel: +1 709 772- 4497 – Email: [ray.walsh@dfo-mpo.gc.ca](mailto:ray.walsh@dfo-mpo.gc.ca)

#### **DENMARK (IN RESPECT OF THE FAROE ISLANDS AND GREENLAND)**

Funch Døj, Iben. Special Advisor, Government of Greenland, Ministry of Fisheries and Hunting, Imaneq 4, P.O. Box 1015, 3900 Nuuk, Greenland  
Tel: +299 34 53 93 – Email: [iben@nanoq.gl](mailto:iben@nanoq.gl)

Gaardlykke, Meinhard. Adviser, The Faroe Islands Fisheries Inspection, Yviri við Strond 3, P. O. Box 1238, FO-110 Torshavn, Faroe Islands  
Tel: +298 31 1065 – Mobile: +298 29 1006 – Email: [meinhardg@vorn.fo](mailto:meinhardg@vorn.fo)

Hansen, Hugo Lamhauge. Adviser, Ministry of Foreign Affairs and Culture, Government of Faroe Islands, Tinghúsvegur 5-7, FO-110 Tórshavn, Faroe Islands  
Email: [hugoh@ummr.fo](mailto:hugoh@ummr.fo)

Jóansdóttir, Durita L. Senior Adviser/Chief of Protocol, Foreign Service, Ministry of Foreign Affairs and Culture, Government of Faroe Islands, Tinghúsvegur 5-7, FO-110 Tórshavn, Faroe Islands  
Tel: +298 551008 – Email: [duritalj@ummr.fo](mailto:duritalj@ummr.fo)

Wang, Ulla Svarrer. Special Adviser, Ministry of Fisheries, P. O. Box 347, FO-110 Torshavn, Faroe Islands  
Tel: +298 35 30 30 – Email: [ulla.svarrer.wang@fisk.fo](mailto:ulla.svarrer.wang@fisk.fo)

#### **EUROPEAN UNION**

Błażkiewicz, Bernard. NAFO Desk Officer, European Commission, Law of the Sea and Regional Fisheries Organisations, DG-MARE B2, Rue Joseph II, 99, B-1049, Brussels, Belgium  
Tel:+32-2-299.80.47 – Email: [Bernard.BLAZKIEWICZ@ec.europa.eu](mailto:Bernard.BLAZKIEWICZ@ec.europa.eu)

Granell, Ignacio. International Relations Officer, Regional Fisheries Management Organizations, European Commission, Rue Joseph II, 99, B-1049, Brussels, Belgium  
Tel: +32 2 296 74 06 – Email: [ignacio.granell@ec.europa.eu](mailto:ignacio.granell@ec.europa.eu)

Griūnienė, Vilda. Chief specialist of Fisheries Division, Ministry of Agriculture of the Republic of Lithuania, Gedimino Ave.19, LT-01103 Vilnius, Lithuania  
Email: [vilda.griuniene@zum.lt](mailto:vilda.griuniene@zum.lt)

Head, François. Administrator, Council of the European Union, General Secretariat, Directorate-General Agriculture, Fisheries, Social Affairs and Health – LIFE, Directorate Fisheries - LIFE.2, JL 40-40-GH-23, Rue de la Loi/Wetstraat 175 - 1048 Brussels, Belgium.  
Tel: +32 (0) 2 281 60 83 – Email: [francois.head@consilium.europa.eu](mailto:francois.head@consilium.europa.eu)

Jessen, Anders C. European Commission, Law of the Sea and Regional Fisheries Organisations, DG-MARE B2, Rue Joseph II, 99, B-1049, Brussels, Belgium  
Tel: +32 (2) 2967224 – Email: [Anders.JESSEN@ec.europa.eu](mailto:Anders.JESSEN@ec.europa.eu)

Lopes, Luis. Directorate-General for Natural Resources, Safety and Maritime Services, 1449-030 Av<sup>a</sup> Brasília LISBOA, Portugal  
Email: [llopes@dgrm.mm.gov.pt](mailto:llopes@dgrm.mm.gov.pt)

Märtin, Kaire. Republic of Estonia, Ministry of the Environment, Narva mnt 7a, 15172 Tallinn, Estonia  
Tel: +372 6260 711 – Email: [kaire.martin@envir.ee](mailto:kaire.martin@envir.ee)

Merino Buisac, Adolfo. Policy Officer, Scientific advice supporting the Common Fisheries Policy, European Commission, Directorate-General for Maritime Affairs and Fisheries (DG MARE), Unit C.3 – Scientific advice and data collection, J99 03/003, B-1049 Brussels/Belgium  
Tel: +32 2 29 590 46 – Email: [adolfo.merino-buisac@ec.europa.eu](mailto:adolfo.merino-buisac@ec.europa.eu)



Näks, Liivika. Estonian marine institute, University of Tartu, Mäealuse 14, 12618 Tallinn, Estonia  
Email: [Liivika.naks@ut.ee](mailto:Liivika.naks@ut.ee)

Quintans, Miguel. European Commission–Directorate–General for Maritime Affairs and Fisheries 1049  
Bruxelles/Brussel, Belgium  
Email: [miguel.quintans@ec.europa.eu](mailto:miguel.quintans@ec.europa.eu)

Szumlicz-Dobiesz, Justyna. Head of Unit, Long Distance Fisheries Unit, Department of International Cooperation,  
Ministry of Maritime Economy and Inland Navigation, 6/12 Nowy Swiat St., 00-400 Warsaw, Poland  
Tel: +48 22 583 89 60 – Email: [Justyna.Szumlicz@minrol.gov.pl](mailto:Justyna.Szumlicz@minrol.gov.pl)

Teixeira, Isabel. Head of External Resources Division, Directorate-General for Natural Resources, Safety and  
Maritime Services, 1449-030 Av<sup>a</sup> Brasília LISBOA, Portugal  
Tel: +351 21 303 5825 – Email: [iteixeira@dgrm.mm.gov.pt](mailto:iteixeira@dgrm.mm.gov.pt)

Tubio Rodriguez, Xosé. NAFO STACTIC representative, Fisheries Control and Inspections, Directorate-General  
for Maritime Affairs and Fisheries, European Commission, J-99 01/074, 1049 Brussels, Belgium  
Tel: +32 2 299 77 55 – Email: [xose.tubio@ec.europa.eu](mailto:xose.tubio@ec.europa.eu)

Tuus, Herki. Fishery Resources Department, Republic of Estonia, Ministry of the Environment, Narva mnt 7A,  
15172, Tallinn, Estonia  
Tel: + 372 511 5698 – Email: [herki.tuus@envir.ee](mailto:herki.tuus@envir.ee)

#### **FRANCE (IN RESPECT OF ST. PIERRE ET MIQUELON)**

Briand, Bernard. Président du Conseil Territorial de Saint-Pierre et Miquelon Conseil, 2 place Monseigneur  
François Maurer, B.P. 4208, 97500 Saint-Pierre et Miquelon  
Tel: 05.08.41.01.02 – Email: [Bernard.Briand@ct975.fr](mailto:Bernard.Briand@ct975.fr)

Chiarovano, Serge. Directorate of Territories, Food and the Sea, Head of the Maritime Affairs Service, 1, Rue  
Gloanec BP4217 97500 Saint-Pierre  
Tel: + 508 41 15 36 – Email: [serge.chiarovano@equipement-agriculture.gouv.fr](mailto:serge.chiarovano@equipement-agriculture.gouv.fr)

Koczorowski, Pauline. Directorate General for Maritime Affairs, Fisheries and Aquaculture (DGAMPA),  
Sustainable Marine Fisheries and Aquaculture Service, Fisheries Resources Sub-Directorate, European and  
International Affairs Office, Tour Séquoia, 1, place Carpeaux, 92055 Paris-La Défense Cedex, France  
Email: [pauline.koczorowski@agriculture.gouv.fr](mailto:pauline.koczorowski@agriculture.gouv.fr)

Lintanf, Philippe. Directorate General for Maritime Affairs, Fisheries and Aquaculture (DGAMPA), Sustainable  
Marine Fisheries and Aquaculture Service, Fisheries Resources Sub-Directorate, European and  
International Affairs Office, Tour Séquoia, 1, place Carpeaux, 92055 Paris-La Défense Cedex, France  
Email: [philippe.lintanf@agriculture.gouv.fr](mailto:philippe.lintanf@agriculture.gouv.fr)

Poirier, Arnaud. Conseil Territorial de Saint-Pierre et Miquelon Conseil, 2 place Monseigneur François Maurer,  
B.P. 4208, 97500 Saint-Pierre et Miquelon  
Email: [Arnaud.Poirier@ct975.fr](mailto:Arnaud.Poirier@ct975.fr)

#### **ICELAND**

Benediktssdóttir, Brynhildur. Ministry of Industries and Innovation, Department of Fisheries, Skúlagötu 4, 150  
Reykjavik, Iceland  
Tel: +354 545 9700 – Email: [brynhildur.benediktssdottir@anr.is](mailto:brynhildur.benediktssdottir@anr.is)

Bragi Bragason, Agnar. Legal Advisor, Department of Fisheries, Ministry of Food, Agriculture and Fisheries,  
Borgartún 26, 105 Reykjavík, Iceland  
Tel: (+354) 545 9700 – Email: [agnar.bragi.bragason@mar.is](mailto:agnar.bragi.bragason@mar.is)

Sigurjonsson, Johann. Special Advisor Ocean Affairs, Directorate for Bilateral and Regional Affairs, Ministry for  
Foreign Affairs, Rauðarárstíg 25, 105 Reykjavik, Iceland  
Tel: (+354) 545 9900 – Email: [johann.sigurjonsson@utn.is](mailto:johann.sigurjonsson@utn.is)

### JAPAN

Akiyama, Masahiro. Assistant Director, International Affairs Division, Ministry of Agriculture, Forestry and Fisheries, Government of Japan, 1-2-1 Kasumigaseki, Chiyoda-ku, 100-8950 Tokyo, Japan  
Email: [masahiro\\_akiyama170@maff.go.jp](mailto:masahiro_akiyama170@maff.go.jp)

Isa, Hiromi. Executive Managing Director, Japan Overseas Fishing Association, Touei Ogawamachi-Bldg., 5F, 2-6-3 Kanda Ogawa-Machi, Chiyoda-ku, Tokyo, 101-0052, Japan  
Email: [isa@jdsta.or.jp](mailto:isa@jdsta.or.jp)

Nomura, Ichiro. Special Advisor, Ministry of Agriculture, Forestry and Fisheries, Government of Japan, 1-2-1 Kasumigaseki, Chiyoda-ku, 100-8950 Tokyo, Japan  
Email: [inomura75@gmail.com](mailto:inomura75@gmail.com)

### NORWAY

Ellingsen, Caroline Lunde. Norwegian Ministry of Trade, Industry and Fisheries, Fisheries Department, P.O. Box 8090 Dep, NO-0032 Oslo, Norway  
Tel: +4792291394 – Email: [cle@nfd.dep.no](mailto:cle@nfd.dep.no)

Fagerbakke, Sara Lier. Norwegian Ministry of Trade, Industry and Fisheries, P.O. Box 8090 Dep, NO-0032 Oslo, Norway  
Tel: +47 930 98 998 – Email: [sfa@nfd.dep.no](mailto:sfa@nfd.dep.no)

Hvingel, Carsten. Head of Research Group, Institute of Marine Research, P.O. Box 1870 Nordnes, 5817 Bergen, Norway  
Tel: +47 95980565 – Email: [carsten.hvingel@hi.no](mailto:carsten.hvingel@hi.no)

Maldonado, Alejandro Chambi. Norwegian Directorate of Fisheries, Fisheries Regulation Section in Resource Management Department, P. O. Box 185, Sentrum, 5804 Bergen, Norway  
Tel: +47 920 62 145 – Email: [alejandrochambi.maldonado@fiskeridir.no](mailto:alejandrochambi.maldonado@fiskeridir.no)

Vaskinn, Tor-Are. Head of Department, Norwegian Fishermen's Association, Fiskebatredernes Forbund, Strandveien 106, 9006 Tromsø, Norway  
Tel: +90 64 09 78 – Email: [tor-are@fiskebat.no](mailto:tor-are@fiskebat.no)

### RUSSIAN FEDERATION

Belyaev, Vladimir, Head of the International Cooperation Department, Russian Federal Research Institute of Fisheries & Oceanography (VNIRO), K. 17, V. Krasnoselskaya, Moscow, 107140, Russian Federation  
Email: [belyaev@vniro.ru](mailto:belyaev@vniro.ru)

Fomin, Konstantin. Lead Specialist, Russian Research Institute for Fisheries and Oceanography, Polar branch (PINRO), 6 Knipovich St., Murmansk 183763, Russian Federation  
Tel: + 7 8152 47 2469 – Email: [fomin@pinro.ru](mailto:fomin@pinro.ru)

Tairov, Temur (virtual). Representative of the Federal Agency for Fisheries of the Russian Federation in Canada, 47 Windstone Close, Bedford, Nova Scotia, B4A4L4, Canada  
Tel: +1 902 405 0655 – Email: [temurtairov@mail.ru](mailto:temurtairov@mail.ru)

Zizin, Roman. Embassy of the Russian Federation in Portugal, R. Visc. de Santarém 57, 1000-286 Lisboa, Portugal  
Email: [rustrec@mail.ru](mailto:rustrec@mail.ru)

### UKRAINE

Bilous, Oleksandr (virtual). Chief Specialist, International Cooperation of the State Agency of Melioration and Fisheries of Ukraine, 45A Sichovykh Striltsiv str., Kiev, 04053, Ukraine  
Email: [bilousom@i.ua](mailto:bilousom@i.ua)

Klochak, Oleh (virtual). International Cooperation of the State Agency of Melioration and Fisheries of Ukraine, 45A Sichovykh Striltsiv str., Kiev, 04053, Ukraine  
Email: [klochak2003@yahoo.com](mailto:klochak2003@yahoo.com)

Ohorodnik, Artem. (virtual). Deputy Head of the Department for International Cooperation of the State Agency of Melioration and Fisheries of Ukraine, 45A Artema str., Kiev, 04050, Ukraine  
Email: [ogorodnik89@ukr.net](mailto:ogorodnik89@ukr.net)

Paramonov, Valerii (virtual). Research Officer of the Institute of Fisheries and Marine Ecology (IFME), State Agency of Melioration and Fisheries of Ukraine, 45A Sichovykh Striltsiv str., Kiev, 04053, Ukraine  
Email: [vparamonov@i.ua](mailto:vparamonov@i.ua)

#### UNITED STATES OF AMERICA

Carlsen, Erika. U.S. Department of State  
Email: [CarlsenEL@state.gov](mailto:CarlsenEL@state.gov)

Day, LCDR Lennie. First Coast Guard District, DRE - Enforcement Team Lead, United States Coast Guard, USA  
Tel: +1 617-223-5820 – Email: [Lennie.R.Day@uscg.mil](mailto:Lennie.R.Day@uscg.mil)

Duggan, Sam. Attorney-Advisor, Office of General Counsel, Northeast Region, National Oceanic and Atmospheric Administration (NOAA), 1315 East-West Hwy., Silver Spring, MD 20910, USA  
Tel: +1 (301) 395-3093 – Email: [sam.duggan@noaa.gov](mailto:sam.duggan@noaa.gov)

Hendrickson, Lisa. Research Fishery Biologist, National Marine Fisheries Service, Northeast Fisheries Science Center, National Oceanic and Atmospheric Administration (NOAA), 166 Water St., Woods Hole, MA 02543, USA  
Tel: +1 508 495 2285 – Email: [lisa.hendrickson@noaa.gov](mailto:lisa.hendrickson@noaa.gov)

Jaburek, Shannah. Fishery Management Specialist, Sustainable Fisheries Division, Greater Atlantic Regional Fisheries Office, National Marine Fisheries Service, National Oceanic and Atmospheric Administration (NOAA), 55 Great Republic Drive, Gloucester, MA 01930, USA  
Tel: +1 978 282 8456 – Email: [shannah.jaburek@noaa.gov](mailto:shannah.jaburek@noaa.gov)

Kelly, Moira. Senior Fishery Program Specialist, Regional Recreational Fisheries Coordinator, Greater Atlantic Regional Fisheries Office, National Marine Fisheries Service, 55 Great Republic Drive, Gloucester, MA 01930 USA  
Tel: +1 978-281-9218 – Email: [moira.kelly@noaa.gov](mailto:moira.kelly@noaa.gov)

Mencher, Elizabethann. International Policy Advisor, Office of International Affairs and Seafood Inspection, National Marine Fisheries Service, National Oceanic and Atmospheric Administration, (NOAA), 1315 East-West Hwy., Silver Spring, MD 20910, USA  
Tel: +1 301 427 8362 – Email: [elizabethann.mencher@noaa.gov](mailto:elizabethann.mencher@noaa.gov)

Minkiewicz, Andrew. Partner, Kelley Drye, Washington, DC, USA  
Tel: (202) 342-8474 – Email: [aminkiewicz@kelleydrye.com](mailto:aminkiewicz@kelleydrye.com)

Pohl, Katherine. Attorney Advisor, Office of General Counsel for Enforcement and Litigation, Greater Atlantic Regional Office, National Oceanic and Atmospheric Administration (NOAA), 55 Great Republic Drive, Gloucester, MA 01930 USA  
Tel: +1 978 281 9107 – Email: [katherine.pohl@noaa.gov](mailto:katherine.pohl@noaa.gov)

Reid, Eric (virtual). General Manager, Seafreeze Shoreside, Inc., 75 State St., Narragansett, (Pt. Judith) Rhode Island 02882 USA  
Tel: +1 401 267 4470 – Email: [ericreidri@gmail.com](mailto:ericreidri@gmail.com)

Smith, Geoffrey. Marine Program Director, The Nature Conservancy, 14 Maine Street, Suite 401, Brunswick, ME 04011  
Tel: +1 207-729-5181 – Email: [geoffrey\\_smith@tnc.org](mailto:geoffrey_smith@tnc.org)

Report of the NAFO Commission,  
18 September 2022

Sosebee, Katherine. Science Advisor, National Marine Fisheries Service, Northeast Fisheries Science Center,  
National Oceanic and Atmospheric Administration (NOAA), 166 Water St., Woods Hole, MA 02543, USA  
Tel: +1 508 495 2372 – Email: [katherine.sosebee@noaa.gov](mailto:katherine.sosebee@noaa.gov)

#### **NAFO SECRETARIAT**

Summit Place, 1601 Lower Water Street, Suite 401, Halifax, Nova Scotia, Canada – Tel: +1 902 468-5590

Kingston, Fred. Executive Secretary.	Email: <a href="mailto:fkingston@nafo.int">fkingston@nafo.int</a>
Blasdale, Tom. Scientific Council Coordinator.	Email: <a href="mailto:tblasdale@nafo.int">tblasdale@nafo.int</a>
Federizon, Ricardo. Senior Fisheries Management Coordinator.	Email: <a href="mailto:rfederizon@nafo.int">rfederizon@nafo.int</a>
LeFort, Lisa. Senior Executive Assistant.	Email: <a href="mailto:llefors@nafo.int">llefors@nafo.int</a>



**Annex 2. Agenda**

1. Opening by the Acting Chair, Deirdre Warner-Kramer (United States of America)
2. Appointment of Rapporteur
3. Adoption of Agenda
4. Proposals regarding the Allocation Regime for Shrimp in Division 3M
5. Discussion on Future Allocation Regime for Shrimp in Division 3M
6. Other business
7. Adoption of report
8. Adjournment

Report of the NAFO Commission,  
18 September 2022

**Annex 3. Catch and Effort Data on 3M Shrimp**  
(COM WP 22-02 Rev. 5)

**Table 1. NAFO Catch of shrimp (t) in Division M\***

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011- 2020	2021	Grand Total	
CAN-M	1062	37	98	166		28	91										2				1484	
CAN-N	2129	1005	870	742	784	435	383	104	295	8				10						789	7554	
CAN-SF																				1116	1116	
CUB							120	46	1037	1537	1462	969	964	1126	446							7707
E/DNK	514	245	190			430	236		93	359											1234	3301
E/ESP	240	187	280	198	423	912	1020	1347	855	674	857	1134	1384	877	768	374	537	506		16		12589
E/EST		1051	2380	1973	3239	5533	10835	12143	9851	13681	12851	13444	12009	5651	7466	9817	2078	254				124256
E/GBR											547											547
E/LTU		863	980	1585	1785	3107	3370	3529	2701	3321	3744	4802	3652	1246	1992	485		102		1588		38852
E/LVA		324	679	1253	997	1191	3080	3105	2961	1892	3533	3059	2212	1330	1939	1284	1194	611				30644
E/POL					824	148	894	1692	209			1158	458	224	1							5608
E/PRT			17		170	203	227	289	420	16		50						3				1395
FRA-SP								138	337	161					741		293					1670
FRO	7076	4998	5815	8429	7386	9271	9086	7207	11871	7680	12648	4952	2457	1102	2303	1189	1349	495		1162		106476
GRL	3788	2275	2400	1107	104	866	576	1734		644	809		12	769								15084
ISL	2195	2355	7481	20680	7197	6572	9148	8736	5063	5754	4715	3567	4014	2099								89576
JPN								114	130	100	117											461
NOR	7075	8625	9534	5747	1831	1339	2975	2588	12972	11833	21238	11738	223	429	1914	261						100322
RUS	54	350	3327	4444	1090		1103	7070	5687	1176	3	654	266	46	73	21	20	7				25391
UKR									348		237	315		282								1182
USA								629	758	96	762	952	1235	1258	1287							6977
<b>Grand Total</b>	<b>24133</b>	<b>22315</b>	<b>34051</b>	<b>46324</b>	<b>25830</b>	<b>30035</b>	<b>43144</b>	<b>50471</b>	<b>55588</b>	<b>48932</b>	<b>63523</b>	<b>46794</b>	<b>28886</b>	<b>16449</b>	<b>18930</b>	<b>13431</b>	<b>5476</b>	<b>1975</b>	<b>0</b>	<b>5905</b>	<b>582192</b>	

\* The primary data source is STATLANT 21A. There is no reported catch in years 2011-2020. Numbers in italics are charter catch submitted by the chartering CP/s.

**Table 2. 3M Shrimp Catch, Fishing days used, and Fishing days allocation, 1993-2022.**

	1993		1994		1995		1996			1997			1998		
	3M Catches (mt)	Reported fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M
CAN	3191	507	1042	333	968	319	166	311	492	608	156	443	442	82	443
CUB							-	-	100	-	-	100	-	-	100
Estonia	268	149	1051	609	2379	2153	1614	990	1852	3166	1254	1217	4803	1454	1217
EU	754	139	432	97	487	44	199	-	508	569	63	457	1482	105	457
DFG															
FRO	7333	1324	6791	1785	5993	1093	8687	1831	1785	7387	1250	1606	9179	1292	1606
GRL	3780	572	2272	482	2316	265	1099	202	572	100	31	515	861	113	515
FRA (SPM)							-	-	100	-	22	100	-	-	100
ISL	2195	279	2355	638	7481	1842	21077	5256	N/A	5671	1327	N/A	5437	980	N/A
JPN							-	-	100	-	-	100	-	-	100
KOR							-	-	100	-	-	100	-	-	100
Latvia			324	190	679	649	1253	504	544	956	439	490	1190	402	490
Lithuania			863	453	980	638	1567	918	638	1708	611	579	3106	866	579
NOR	7074	1403	8625	2206	9391	2162	5853	1549	2206	1974	329	1985	1315	211	1985
Poland							-	-	100	288	100	100	-	40	100
RUS	54	76	350	41	3327	1533	4443	2458	N/A	1067	807	2600	-	-	2600
UKR													-	-	
USA							-	-	100	-	-	100	-	-	100
<b>Grand total</b>	<b>24649</b>	<b>4449</b>	<b>24105</b>	<b>6834</b>	<b>34001</b>	<b>10698</b>	<b>45958</b>	<b>14019</b>	<b>9197</b>	<b>23494</b>	<b>6389</b>	<b>10492</b>	<b>27815</b>	<b>5545</b>	<b>10492</b>

**Data Sources:**

3M Catches 1993-1995: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

3M Catches 1996-2021: Monthly Provisional Catch Reports

Reported Fishing Days in 3M, 1993-1999: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

Reported Fishing Days in 3M, 2000-2021: Monthly Provisional Catch Reports

Allocated fishing Days in 3M, 1996-2003: Report of the FC Intersessional Meeting, 30 April -7 May 2008, Montreal, Quebec. Table 2 of Annex 5 in FC Doc 08/4.

Allocated fishing Days in 3M, 2004-2021: Annex I.B of NAFO CEM.

**Table 2. 3M Shrimp Catch, Fishing days used, and Fishing days allocation, 1993-2022.**

	1999			2000			2001			2002			2003		
	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M
CAN	385	79	456	105	261	456	294	-	380	8	-	400	0	-	456
CUB	119	33	100	46	22	100	797	72	100	153	12	100	81	10	100
Estonia	10846	1651	1667	12196	1663	1667	9638	1180	1389	13674	1594	1667	12732	1458	1667
EU	1265	268	457	1617	252	457	756	-	400	1045	151	400	161	21	457
DFG															
FRO	9189	1051	1606	7119	934	1606	12267	1433	1606	8515	1021	1606	12661	1410	1606
GRL	576	65	515	1638	223	515	0	-	515	680	65	515	873	73	515
FRA (SPM)	-	-	100	-	-	100	408	70	100	161	40	100	-	-	100
ISL	7643	1222	N/A	7731	1094	N/A	5301	-	N/A	5351	-	N/A	4588	-	N/A
JPN	-	-	100	114	69	100	130	61	100	100	38	100	116	54	100
KOR	-	-	100	-	-	100	-	-	100	-	-	100	-	-	100
Latvia	2765	438	490	3102	489	490	2984	485	490	1885	277	490	3453	431	490
Lithuania	3370	620	579	3528	581	579	2702	550	579	3321	415	579	3744	495	579
NOR	2976	394	1985	2633	399	1985	13255	1559	1654	11225	1240	1985	22874	1774	1985
Poland	707	104	100	316	43	100	196	9	100	-	-	100	-	-	100
RUS	1126	417	2100	7078	1411	2100	5687	948	1750	1145	196	2100	3	-	2100
UKR	-	-	-	-	-	100	348	68	100	-	-	100	238	41	100
USA	-	-	100	-	-	100	411	35	100	96	10	100	628	97	100
<b>Grand total</b>	<b>40967</b>	<b>6342</b>	<b>10455</b>	<b>47223</b>	<b>7441</b>	<b>10555</b>	<b>55174</b>	<b>6470</b>	<b>9463</b>	<b>47359</b>	<b>5059</b>	<b>10442</b>	<b>62152</b>	<b>5864</b>	<b>10555</b>

**Data Sources:**

3M Catches 1993-1995: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

3M Catches 1996-2021: Monthly Provisional Catch Reports

Reported Fishing Days in 3M, 1993-1999: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

Reported Fishing Days in 3M, 2000-2021: Monthly Provisional Catch Reports

Allocated fishing Days in 3M, 1996-2003: Report of the FC Intersessional Meeting, 30 April -7 May 2008, Montreal, Quebec. Table 2 of Annex 5 in FC Doc 08/4.

Allocated fishing Days in 3M, 2004-2021: Annex I.B of NAFO CEM.





**Table 2. 3M Shrimp Catch, Fishing days used, and Fishing days allocation, 1993-2022.**

	2004			2005			2006			2007			2008		
	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M
CAN	0	0	456	0	0	456	10	3	456	0	0	456	0	0	456
CUB	969	100	100	1043	100	100			100			100		4	100
Estonia	13455	1625	1667		-	-		-	-			-			
EU	2724	16	457		1866	3293		908	3293	9458	1171	3293	8590	928	3293
DFG															
FRO	4932	600	1606	2341	217	1606	1150	108	1606	2313	144	1606	1201	86	1606
GRL	0	0	515	10	2	515	793	63	515	0	0	515		0	515
FRA (SPM)	423	58	100	487	45	100	183	17	100	741	65	100	0	62	100
ISL	3519	0	N/A	4073	0	N/A	2099	0	N/A	0	0	N/A	0	0	N/A
JPN	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100
KOR	-	-	100	-	-	100	-	-	100	0		100			100
Latvia	2332	361	490		-	-		-	-		-	-			
Lithuania	4802	578	579		-	-		-	-		-	-			
NOR	10743	978	1985	184	13	1985	433	32	1985	1982	104	1985	0		1985
Poland	1124	98	100		-	-		-	-		-	-			
RUS	654	62	2100	268	59	2100	46	6	2100	76	13	2100	20	4	2100
UKR	314	42	100	-	-	100	277	31	100			100	0		100
USA	952	101	100	1188	99	100			100			100	0		100
<b>Grand total</b>	<b>46943</b>	<b>4619</b>	<b>10555</b>	<b>9594</b>	<b>2401</b>	<b>10555</b>	<b>4991</b>	<b>1168</b>	<b>10555</b>	<b>14570</b>	<b>1497</b>	<b>10555</b>	<b>9811</b>	<b>1084</b>	<b>10555</b>

**Data Sources:**

3M Catches 1993-1995: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

3M Catches 1996-2021: Monthly Provisional Catch Reports

Reported Fishing Days in 3M, 1993-1999: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

Reported Fishing Days in 3M, 2000-2021: Monthly Provisional Catch Reports

Allocated fishing Days in 3M, 1996-2003: Report of the FC Intersessional Meeting, 30 April -7 May 2008, Montreal, Quebec. Table 2 of Annex 5 in FC Doc 08/4.

Allocated fishing Days in 3M, 2004-2021: Annex I.B of NAFO CEM.

**Table 2. 3M Shrimp Catch, Fishing days used, and Fishing days allocation, 1993-2022.**

	2009			2010			2011-2019			2020			2021			2022		
	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M	3M Catches (mt)	Reported fishing days in 3M	Allocated fishing days in 3M
CAN	0	0	456	0	0	228	M	M	M	0.067	3	114	804.267	103	114	M	M	M
CUB	0		100	0	0	50	o	o	o	0	0	25	19.62	7	25	o	o	o
Estonia							r	r	r							r	r	r
EU	3086	360	3293	1023	165	1646	a	a	a	78.9	19	823	2623.41	218	823	a	a	a
DFG							t	t	t							t	t	t
FRO	1392	85	1606	488	33	803	o	o	o			402	1162	89	402	o	o	o
GRL	0	0	515	0	0	258	r	r	r			129			129	r	r	r
FRA (SPM)	0	16	100	0		50	i	i	i			25	94	10	25	i	i	i
ISL	0	0	N/A	0	0	N/A	u	u	u			N/A			N/A	u	u	u
JPN	0	0	100	0		50	m	m	m			25			25	m	m	m
KOR	0	0	100	0		50						25			25			
Latvia																		
Lithuania																		
NOR	0	0	1985	0	0	992	-	-	-			496			496	-	-	-
Poland																		
RUS	20	5	2100	0	0	1050	-	-	-	0.3	1	525			525	-	-	-
UKR	0	0	100			50	-	-	-			25			25	-	-	-
USA	0	0	100			50	-	-	-			25	175.247	13	25	-	-	-
<b>Grand total</b>	<b>4498</b>	<b>466</b>	<b>10555</b>	<b>1511</b>	<b>198</b>	<b>5277</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79.267</b>	<b>23</b>	<b>2639</b>	<b>4878.5</b>	<b>440</b>	<b>2639</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Data Sources:**

3M Catches 1993-1995: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

3M Catches 1996-2021: Monthly Provisional Catch Reports

Reported Fishing Days in 3M, 1993-1999: Meeting Report on Shrimp Stocks in the Regulatory Area, 27-30 March 2000, Washington DC. Table 2 of Annex 10 in GC Doc 00/3.

Reported Fishing Days in 3M, 2000-2021: Monthly Provisional Catch Reports

Allocated fishing Days in 3M, 1996-2003: Report of the FC Intersessional Meeting, 30 April -7 May 2008, Montreal, Quebec. Table 2 of Annex 5 in FC Doc 08/4.

Allocated fishing Days in 3M, 2004-2021: Annex I.B of NAFO CEM.



**Annex 4. Discussion Papers and Proposals from NAFO Contracting Parties**

COM WP 22-01	Fishing regime Shrimp in division 3M NAFO – Ukraine
COM WP 22-06	Fishing regime Shrimp in division 3M NAFO – Norway
COM WP 22-08	Fishing regime Shrimp in division 3M NAFO – France (in respect of St. Pierre et Miquelon) [originally COM WP 21-10]
COM WP 22-09	Fishing regime Shrimp in division 3M NAFO – Iceland [originally COM WP 21-11]
COM WP 22-10	Fishing regime Shrimp in division 3M NAFO – Russian Federation [originally COM WP 21-12]
COM WP 22-11	Fishing regime Shrimp in division 3M NAFO – Denmark (in respect of the Faroe Islands and Greenland) [originally COM WP 21-22]
COM WP 22-12	Fishing regime Shrimp in division 3M NAFO – Canada
COM WP 22-20	Fishing regime Shrimp in division 3M NAFO – European Union

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING – 27-28 APRIL 2022****Fishing regime Shrimp in division 3M NAFO  
(Delegation of Ukraine)**

[The following was received via e-mail from the Delegation of Ukraine.]

Dear colleagues!

In response to the NAFO letter (NAFO/22-044) of 25 January 2022 concerning the draft provisional agenda of NAFO Fishing Regime for Shrimp in Division 3M meeting, 27/28 April 2022 in Halifax, Nova Scotia, Canada, the State Agency of Melioration and Fisheries of Ukraine informs.

Ukrainian party has no objections and confirms the proposed Draft Provisional Agenda NAFO Fishing Regime for Shrimp in Division 3M meeting, 27-28 April 2022 in Halifax, Nova Scotia, Canada. Fishing Regime for 3M shrimp that is based on TAC and quota better than based on fishing efforts.

But we fully agree also with the position of France on behalf of Saint-Pierre-et-Miquelon: *“It is therefore important to underline that this change in fishing regime must lead to an economically viable situation for each Contracting Party, including those which have currently a low number of fishing days”* (COM WP 21-10).

So, we suppose that it is needed to establish as a minimum individual catch quota 2% of catch limit (for each Party), and the rest of the catch limit can be distributed to the Parties according to their historical catch during the last 10 years.

Best regards

Division of International Cooperation

The State Agency of Melioration and Fisheries of Ukraine

Northwest Atlantic



Fisheries Organization

COM Working Paper 22-06

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING - 18 SEPTEMBER 2022**

**Fishing regime Shrimp in division 3M NAFO  
(Delegation of Norway)**

Please see enclosed.



ROYAL NORWEGIAN MINISTRY OF  
TRADE, INDUSTRY AND FISHERIES

Northwest Atlantic Fisheries Organization  
Summit Place, 1601 Lower Water Street, Suite  
401, Halifax, Nova Scotia - B3J 3P6  
CANADA  
CANADA

Your ref

Our ref

Date

21/6142-99

18 August 2022

## Proposal for the management of the shrimp stock in subarea 3M

Please find attached Norway's proposal for the allocation of the shrimp stock in subarea 3M, which is due to be discussed in Porto, Portugal 18 September 2022.

Yours sincerely

Caroline Lunde Ellingsen  
Head of Delegation for Norway

Sara Lier Fagerbakke  
Senior Adviser

*This document is signed electronically and has therefore no handwritten signature*

Copy

Fiskeridirektoratet  
Lisa LeFort, NAFO Secretariat

Postal address  
Postboks 8090 Dep  
0032 Oslo  
postmottak@nfd.dep.no

Office address  
Kongens gate 8  
www.nfd.dep.no

Telephone  
+47 22 24 90 90  
Org. nr.  
912 660 680

Department  
Department for  
Fisheries

Reference  
Caroline Lunde  
Ellingsen  
+47 92291394

# Proposal by Norway for a transition from effort to TAC and quota allocation for shrimp in Subarea 3M

## 1. Introduction

The shrimp stock in NAFO area 3M has since 1996 been managed by an effort limitation regime. Each contracting party has been allocated a number of fishing days and fishing vessels.

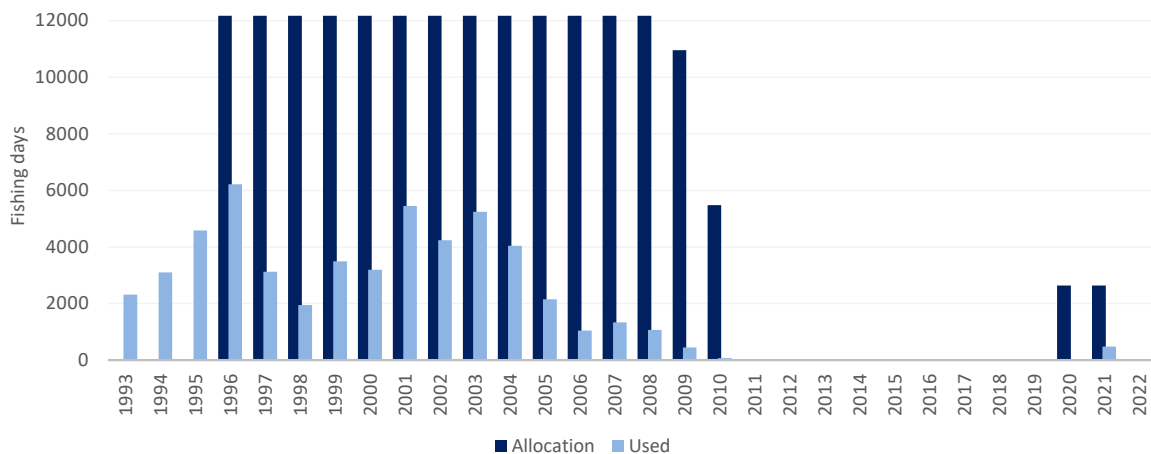
4. Each Contracting Party shall limit in 1997 the number of vessels fishing for shrimp in Div. 3M to the number that have participated in this fishery in the period from 1 January 1993 to 31 August 1995.
- Each Contracting Party shall, in 1997, limit the number of fishing days by its vessels fishing for shrimp in Div. 3M to 90% of the maximum number of fishing days observed for their vessels in one of the years 1993, 1994 or 1995 (until 31 August 1995). However, for Contracting Parties with a track record, a minimum level of 400 fishing days is permitted.
- Contracting Parties with no track record in the shrimp fishery may, in 1997, fish for shrimp with one vessel in 100 fishing days, and Contracting Parties with a smaller track record may in 1997 fish an equal number of days.
- Each Contracting Party shall communicate the number of fishing days to the Executive Secretary before 1 November 1996 that are available to that Contracting Party for 1997. The number of days shall be counted from the hail reports of vessels fishing for shrimp in Div. 3M and shall include the days of entry and exit from the Regulatory Area. In the case where vessels fishing for shrimp and other species on the same trip the number of days shall be counted from the day the vessel entered the shrimp fishery to the day the vessel ceased that fishery.

Figure 1: Text from Annex 4 page 64 in "NAFO annual report 1996" (NAFO FC Doc 96/5).

Since the effort regime was introduced in 1996, fishing efficiency has improved significantly, and the fleets fishing on the 3M shrimp stock are diverse. These factors make it challenging to regulate the fishery effectively under the effort regime and does not appropriately limit the outtake of the stock.

Following a continuous decline in catches, from 60 000 tonnes in 2003 to 2 000 tonnes in 2010, the 3M shrimp was placed under a moratorium in 2011-2019. The fishery was reopened in 2020 based on the previous effort allocation key, however the Commission agreed to reduce the effort (days) with 50 % of 2010 levels, and that the measures based on the existing effort regime would be applicable for 2020 only. Due to the COVID-19 pandemic, the Commission agreed to a roll-over of the current regime to 2021.

In 2022 the Commission decided to close the fishery of the shrimp stock in division 3M again.



**Figure 2:** Total number of fishing days allocated for shrimp fishing in div. 3M, and reported fishing days

The rapid decline and current poor state of the stock has prompted the need for efficient and targeted measures to manage and limit the outtake of the 3M shrimp stock. The Scientific Council has recommended that shrimp in division 3M should be managed in line with all other stocks in the Regulatory Area (c.f. SCS Doc. 19-023), with a TAC and quota allocation rather than effort. Advice is also given in terms of total allowable catch (TAC). A conversion from effort to quota allocation was discussed between the Contracting Parties in 2008, however unable to reach consensus, the effort regime remained in place until the 2010 closure of the fishery.

With regard to the current state of the 3M shrimp stock, the obligations stipulated in the UN Convention of the Law of the Sea to ensure the sustainable use and conservation of marine living resources, to which NAFO is committed, Norway propose a conversion from effort to a TAC and quota allocation scheme based on a model below set forth in section 2 of this document. The model takes into account the Commission’s working document (COM WP 20-16) *Draft Concept Paper – Shrimp 3M “Moving from efforts scheme to a TAC and quotas”*, in which building blocks for a conversion from allocated effort to a system based on TAC and quotas have been outlined. The Norwegian proposal follows a similar approach to Norway’s proposal from 2008.



## 2. Proposal

Norway propose a conversion from effort to a TAC and quota regulation with the allocation presented in *table 1* below. The proposal seeks to balance the Contracting Parties' allocated effort and reported catches prior to and up until to the closure of the fishery in 2011. It furthermore ensures that the deviation from current shares is as little as possible.

The proposal is based on a model which has 1) a fifty-fifty weighing of *allocated effort* and *realised fishing activity* between 1993-2010, and 2) gives equal weighting of every year of in the 1993-2010 period of catch history.

As *table 1* expresses, the proposed allocated quota shares stemming from this model gives only minor changes to current shares in terms of effort and reported catches (1993-2010). This ensures stability for the Contracting Parties' fleets, and it furthermore avoids "big winners or losers", which in turn may be counter-productive in finding a solution that ensures sustainable management of the 3M shrimp stock, which is under pressure under the current scheme.

Contracting Party	Effort allocation		Catch		New
	Nominal	Share	1993-2010	Share	Allocation
	Days	%	tonnes	%	%
Canada	456	3.75 %	8249	1.45 %	2.60 %
Cuba	100	0.82 %	7707	1.35 %	1.09 %
Faroes	1606	13.19 %	105314	18.50 %	15.85 %
Greenland	515	4.23 %	15084	2.65 %	3.44 %
European Union	3293	27.05 %	213529	37.52 %	32.28 %
France (SPM)	100	0.82 %	1670	0.29 %	0.56 %
Iceland	1620	13.31 %	89576	15.74 %	14.52 %
Japan	100	0.82 %	461	0.08 %	0.45 %
Korea	100	0.82 %	0	0.00 %	0.41 %
Norway	1985	16.30 %	100322	17.63 %	16.97 %
Russian Federation	2100	17.25 %	25391	4.46 %	10.85 %
Ukraine	100	0.82 %	1182	0.21 %	0.51 %
USA	100	0.82 %	629	0.11 %	0.47 %
TOTALS	12175	100 %	569114	100 %	100 %

**Table 1.** Effort allocation (1996), realised catch and the resulting new weighted quota allocation.

## Appendix.

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CAN	3191	1042	968	908	784	463	474	104	295	8	0	0	0	10	0	0	2	0
CUB	0	0	0	0	0	0	120	46	1037	1537	1462	969	964	1126	446	0	0	0
EU	754	2670	4526	5009	6614	11524	19662	22105	17090	19943	21532	23647	19715	9328	12165	11960	3812	1473
FRA-SP	0	0	0	0	0	0	0	138	337	161	0	0	0	0	741	0	293	0
FRO	7076	4998	5815	8429	7386	9271	9086	7207	11871	7680	12648	4952	2457	1102	2303	1189	1349	495
GRL	3788	2275	2400	1107	104	866	576	1734	0	644	809	0	12	769	0	0	0	0
ISL	2195	2355	7481	20680	7197	6572	9148	8736	5063	5754	4715	3567	4014	2099	0	0	0	0
JPN	0	0	0	0	0	0	0	114	130	100	117	0	0	0	0	0	0	0
NOR	7075	8625	9534	5747	1831	1339	2975	2588	12972	11833	21238	11738	223	429	1914	261	0	0
RUS	54	350	3327	4444	1090	0	1103	7070	5687	1176	3	654	266	46	73	21	20	7
UKR	0	0	0	0	0	0	0	0	348	0	237	315	0	282	0	0	0	0
USA	0	0	0	0	0	0	0	629	0	0	0	0	0	0	0	0	0	0

**Table A1.** Reported catches (tonnes) of shrimp from NAFO Div. 3M (STATLANT data, downloaded from the NAFO website).

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING – 18 SEPTEMBER 2022****Fishing regime Shrimp in division 3M NAFO  
(Delegation of France, in respect of St. Pierre et Miquelon)**

**[originally circulated as COM WP 21-10]**

In accordance with NAFO/21-108 correspondence, France on behalf of Saint-Pierre-et-Miquelon would like to express first views on the future management regime for shrimp in division 3M.

As it is an important and sensitive matter for all Contracting parties, it is first critical that discussions could be carried on during the 2021 annual session and in the next months. It is therefore welcome to request that the Contracting parties share their position on this issue in order to move forward in the near future.

In order to agree as soon as possible on a management regime different from the current one and due to the health crisis, France SPM will support any virtual meeting organised in intersession and any other initiative that could lead to an agreement if it turns out to be difficult to achieve an outcome by the 2021 annual session. The most recent scientific advice should also be taken into account.

In the meantime, it seems important that this decision on a new fishing regime does not prevent fishing activities to carry on early 2022.

On the new fishing regime itself, France SPM would be open to discuss a regime based on a TAC and quotas, as it seems a sustainable way to manage the stock, in line with the management chosen for the other NAFO stocks.

However, the main issue is the calculation of the allocation key on which France SPM remains open to discussion as well. It is therefore important to underline that this change in fishing regime must lead to an economically viable situation for each Contracting party, including those which have currently a low number of fishing days. This parameter was taken into account in 2019 before the reopening of the fishery and must remain an important factor in the future discussions.

Northwest Atlantic



Fisheries Organization

COM Working Paper 22-09

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING - 18 SEPTEMBER 2022**

**Fishing regime Shrimp in division 3M NAFO  
(Delegation of Iceland)**

**[originally circulated as COM WP 21-11]**

Please see enclosed.



NAFO  
P.O. Box 638  
Dartmouth, Nova Scotia  
B2Y 3Y9  
Canada

ATVINNUVEGA- OG  
NÝSKÖPUNARRÁÐUNEYTIÐ

*Ministry of Industries and Innovation*

Skúlagötu 4 101 Reykjavík Iceland  
tel.: + (354) 545 9700 postur@anr.is  
anr.is

Reykjavík August 20, 2021  
Reference: ANR20010019/15.09.04  
Your reference: NAFO/21-108

Subject: Fishing regime for Shrimp in NAFO Division 3M

Reference is made to NAFO/21-108 from 14 April 2021 where Contracting Parties are urged to submit proposals for a fishing regime for Shrimp in Division 3M by 20 August 2021.

As expressed for decades Iceland reiterates that the current fishing regime for Shrimp in 3M is neither responsible nor sustainable, it is therefore imperative that the Contracting Parties of NAFO agree upon a fishing regime that fulfills both these criteria on the Annual Meeting in September. Preliminary catch statistic for 3M Shrimp in 2021 clearly underline the urgency of the matter.

As previously expressed by Contracting Parties, a fishing regime of TAC and quota allocation scheme based on catches, is the way forward. In that situation, an allocation based on fishing effort instead of catch quantity would be a dichotomy. For those Contracting Parties that have fished under the effort allocation scheme for 3M Shrimp the fishing patterns resulting from that fishing regime should be realized in historical catches and should therefore be an undisputed basis for coming negotiations.

Iceland therefore supports adopting a fishing regime for 3M Shrimp that is based on TAC and quota rather than fishing effort and allocates fishing opportunities among the Contracting Parties on the basis of historical catches rather than historical fishing effort.

Iceland is fully committed to reaching an agreement on a sustainable and responsible fishing regime for 3M Shrimp. Recognising that it is not likely that a face-to-face meeting will be feasible in 2021, it is inevitable to endeavor to reach an agreement on the Annual Meeting, even if a virtual format poses challenges in negotiations. Iceland urges all Contracting Parties to come to the Annual Meeting fully prepared to show the necessary flexibility to reach a conclusion on this issue already there. Having NAFO regulations that explicitly allow for overexploiting this stock cannot continue into 2022.

On behalf of the Minister of Fisheries and Agriculture

Brynhildur Benediktsdóttir  
Head of the Icelandic Delegation to NAFO

Northwest Atlantic



Fisheries Organization

COM Working Paper 22-10

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING - 18 SEPTEMBER 2022**

**Fishing regime Shrimp in division 3M NAFO  
(Delegation of the Russian Federation)**

**[originally circulated as COM WP 21-12]**

Please see enclosed.

**РОССИЙСКАЯ ФЕДЕРАЦИЯ  
ФЕДЕРАЛЬНОЕ АГЕНТСТВО  
ПО РЫБОЛОВСТВУ  
(РОСРЫБОЛОВСТВО)**

Рождественский бульвар, д. 12, Москва,  
107996, Российская Федерация

Факс: +7 (495) 628-19-04, 987-05-54

Тел.: +7 (495) 628-23-20

E-mail: [harbour@fishcom.ru](mailto:harbour@fishcom.ru)

<http://www.fish.gov.ru>



**RUSSIAN FEDERATION  
FEDERAL AGENCY  
FOR FISHERIES**

12 Rozhdestvensky blvd, Moscow,  
107996, Russian Federation

Fax: +7 (495) 628-19-04, 987-05-54

Phone: +7 (495) 628-23-20

E-mail: [harbour@fishcom.ru](mailto:harbour@fishcom.ru)

<http://www.fish.gov.ru>

«25» 08 2021 г. № 7752-BC/403

To: Fred Kingston  
Executive Secretary  
Northwest Atlantic Fisheries Organization (NAFO)

Subject: proposals of the Contracting Parties for a fishing regime for Shrimp in Division 3M

Dear Mr. Kingston,

In accordance with the letter from the NAFO Secretariat dated 14 April 2021 № NAFO/21-108 on the issue of submitting proposals of the Contracting Parties for a fishing regime for Shrimp in Division 3M please find enclosed the proposals of the Russian Federation.

At the same time we consider it necessary to comply with the earlier decisions on discussing this issue during the meeting to be held in the format of face-to-face.

Enclosure: 2 pages.

Sincerely yours,

Vasiliy Sokolov,  
Deputy Head  
Federal Agency for Fisheries

A handwritten signature in black ink, appearing to read 'V. Sokolov', written over a horizontal line.

**43<sup>rd</sup> ANNUAL MEETING - SEPTEMBER 2021****An approach to a possible transition from the effort based regime to a TAC for 3M  
shrimp****(Presented by the Russian Federation)**

The 3M stock has been traditionally managed through an effort allocation scheme (number of fishing days and maximum number of fishing vessels allocated to Contracting Parties). As it was agreed in 2019 the fishery shall be re-opened in accordance with the effort allocation key in place for this fishery at the time of closure.

For 2021 Russia has 525 fishing days allocated for shrimp fishery in Div. 3M under the 2004 allocation key (Table 1). As agreed, the Russian Federation transferred 25 fishing days of its fishing days allocation to Cuba following the decisions taken on an ad hoc basis at the NAFO 41st and 42nd Annual Meetings. These arrangements are of an interim nature and do not affect the allocation key, i.e. they do not entitle any unconditional rights to additional fishing days every year.

Table 1

**Effort Allocation Scheme for Shrimp Fishery in 3M in 2021**

<b>Contracting Party</b>	<b>Number of fishing days<sup>1</sup></b>	<b>% of the total number</b>	<b>Number of vessels<sup>1</sup></b>
<b>Canada</b>	114	4,32	16
<b>Cuba</b>	25 <sup>3</sup>	0,95	1
<b>Denmark</b>			
- Faroe Islands	402	15,23	8
- Greenland	129	4,89	14
<b>European Union<sup>2</sup></b>	823 <sup>3</sup>	31,17	33
<b>France (in respect of St. Pierre et Miquelon)</b>	25 <sup>3</sup>	0,95	1
<b>Iceland</b>	N/A	-	N/A
<b>Japan</b>	25	0,95	1
<b>Korea</b>	25	0,95	1
<b>Norway</b>	496 <sup>3</sup>	18,79	32
<b>Russia</b>	525 <sup>3</sup>	19,89	N/A
<b>Ukraine</b>	25 <sup>3</sup>	0,95	1
<b>USA</b>	25	0,95	1
<b>Total</b>	<b>2640</b>	<b>100,0</b>	<b>109</b>

<sup>1</sup> When the scientific advice estimates that the stock shows signs of recovery, the fishery shall be re-opened in accordance with the effort allocation key in place for this fishery at the time of the closure.



<sup>2</sup> Including fishing entitlements transferred from Poland (25 fishing days), Estonia (416 fishing days), Latvia (123 fishing days) and Lithuania (145 fishing days) following their accession to the European Union.

<sup>3</sup> In derogation of CEM Article 5.11 and CEM Article 9.4, the European Union will transfer 25 fishing days of its fishing days allocation for 2021 to France, in respect of St Pierre et Miquelon; Norway will transfer 25 fishing days of its fishing days allocation for 2021 to Ukraine; and the Russian Federation will transfer 25 fishing days of its fishing days allocation for 2021 to Cuba. The above transfers are without prejudice to the effort allocation key and are only for the year 2021. The 2021 catches under this interim regime will not create any catch history.

The Russian Federation notes that the discussion on a possible revision and discussion of possible alternate management regimes to better align the capacity under an effort management regime with the level of total removals recommended by the SC including the possible conversion to a TAC and quota system has been going on for many years, more precisely since 2006.

The Russian Federation appreciates the effort made by all the Contracting Parties to reach a consensus on 3M Shrimp. Unfortunately, till now the Contracting Parties could not agree.

It seems that after many years of discussions it is necessary to recognize the lack of great optimism and insignificant prospects for a successful solution of this issue.

Recognizing that the effort-based regime is not sustainable and that the TAC and quotas regime should be applied, the Russian Federation believes that it would be a relatively easy and simple solution to propose a simple transition from 2019 ship-days to the proportional TAC percentage, which was proposed in 2019 at the NAFO session, but was not supported by the Parties.

As noted in 2019, finding another solution can be very difficult and we are not confident that such a solution can be found. In this regard Russia believes that «this approach would have ensured a conservation-based fishery, and an equitable one where all Contracting Parties could have benefitted from the opening of this fishery» (COM Doc. 19-34 (Rev.)).

Northwest Atlantic



Fisheries Organization

COM Working Paper 22-11

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING - 18 SEPTEMBER 2022**

**Fishing regime Shrimp in division 3M NAFO  
(Delegation of Denmark, in respect of the Faroe Islands and Greenland)**

**[originally circulated as COM WP 21-22]**

Please see enclosed.



Fred Kingston  
Executive Secretary  
Northwest Atlantic Fisheries Organization

**NAFO Fishing Regime for Shrimp in Division 3M Proposals for discussion at the NAFO 42nd Annual Meeting, 20-24 September 2021**

Brevdato:  
Sags nr.: 2021 - 5940  
Akt nr.: 17927510

With reference to the letter from the NAFO Secretariat of 14 April 2021, regarding fishery for shrimp in Division 3M, Denmark in respect of the Faroe Islands and Greenland reiterates its support to considering an output based management regime based on TAC and quota allocations.

Postboks 269  
3900 Nuuk  
Tlf. (+299) 34 50 00  
Fax (+299) 34 63 55  
E-mail: [apn@nanoq.gl](mailto:apn@nanoq.gl)  
[www.naalakkersuisut.gl](http://www.naalakkersuisut.gl)

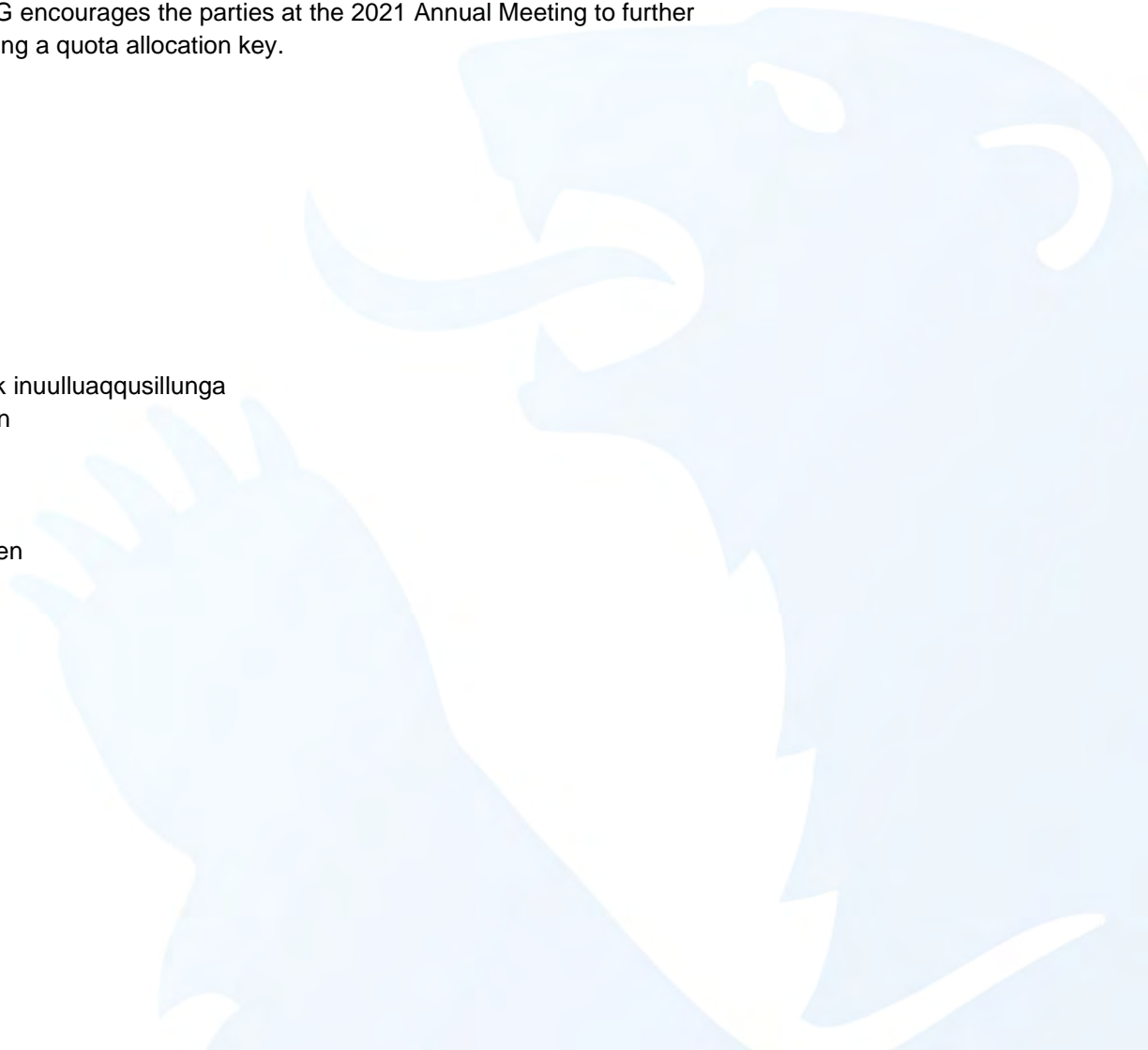
Considering that, intersessional consultations to discuss the conversion have not been possible since reopening the fishery in 2019, DFG considers, however, that yet another roll over of the effort allocation might be necessary provided the parties are not able to agree on a quota allocation key during the 2021 Annual Meeting.

Given the need to ensure sustainable fisheries management with respect to shrimp in Division 3M, DFG encourages the parties at the 2021 Annual Meeting to further consider approving a quota allocation key.

Kind regards

Inussiarnersumik inuulluaqqusillunga  
Med venlig hilsen

Steen Christensen



Northwest Atlantic



Fisheries Organization

COM Working Paper 22-12

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING – 18 SEPTEMBER 2022**

**Fishing regime Shrimp in division 3M NAFO**

**(Delegation of Canada)**

Please see enclosed.

## **A total allowable catch and quota regime for shrimp in Division 3M (Canada)**

In accordance with NAFO/22-165 correspondence, Canada would like to express its views on the future management regime for shrimp in division 3M.

Since NAFO implemented the effort-based fishing regime for shrimp in division 3M in 1996, Canada's position has been that it is not an effective or responsible management approach for this stock. This has frequently proven to be the case, with catches well above the Scientific Council's (SC) recommended levels of removal in the early 2000s, prior to the stock's decline and eventual collapse. This occurred again in 2021, with catches ten per cent over the SC's advised level with only 18 per cent of allocated days utilized and despite SC's recommendation to convert the management regime to catch regulation in line with all other stocks in the NAFO Regulatory Area. SC has also advised that it is unable to provide advice for an effort based regime. Even if total allowable effort were reduced, an effort-based regime would not be able to account for increased fishing efficiency over time and ensure the sustainable harvest of this stock. A total allowable catch-based regime is required to ensure that future removals are in keeping with the SC's catch-based scientific advice.

The current management regime is not in line with the general principles in Article III of the *Convention on Cooperation in the Northwest Atlantic Fisheries*, which states that Contracting Parties shall a) promote the long-term sustainability of fishery resources and f) prevent or eliminate overfishing and excess fishing capacity, and ensure that levels of fishing effort do not exceed those commensurate with the sustainable use of the fishery resources. The Commission should therefore give very careful consideration to a future re-opening of the shrimp fishery in division 3M until such a time when 1) the SC advises that the stock can support a fishery, and 2) the Commission can ensure that catches will not exceed a scientifically-based total allowable catch level.

With respect to considering an allocation regime for this stock, Contracting Parties are obliged to consider Article VI (12) of the Convention, which requires taking into account the interests of relevant coastal States and giving special consideration to the Contracting Party that has undertaken extensive efforts to ensure the conservation of NAFO stocks through international action, in particular monitoring, control, and surveillance activities to ensure the enforcement of NAFO's conservation and enforcement measures:

*12. Measures adopted by the Commission for the allocation of fishing opportunities in the Regulatory Area shall take into account the interests of Contracting Parties whose vessels have traditionally fished within that area and the interests of the relevant coastal States. In the allocation of fishing opportunities from the Grand Bank and Flemish Cap, the Commission shall give special consideration to the Contracting Party whose coastal communities are primarily dependent on fishing activities for stocks related to these fishing banks and which has undertaken extensive efforts to ensure the conservation of such stocks through international action, in particular, by providing surveillance and inspection of international fishing activities on these banks under an international scheme of joint enforcement.*

Canada is the primary coastal State to NAFO. As such, it undertakes extensive efforts to ensure the conservation of NAFO stocks through a comprehensive, year-round monitoring, control, and surveillance program, including in division 3M. With respect to at-sea patrols, Canada contributed

66 per cent of total vessel patrol days by all Contracting Parties in the NAFO Regulatory Area from 2017-2020. Canada conducts 100 per cent of the air surveillance in the NAFO Regulatory Area, averaging 328 hours per year from 2017 to 2021. This tool has enabled at-sea patrols to be more strategic in their approach to undertaking boardings and inspections, contributing significantly to the effectiveness of NAFO's monitoring, control, and surveillance program as a whole.

While historical catch and effort allocations can and should be considered in such discussions, the Convention calls upon the Commission to take into account the above factors when allocating fishing opportunities in the Regulatory Area. In light of Canada's coastal State status and that of "the Contracting Party whose coastal communities are primarily dependent on fishing activities for stocks related to these fishing banks and which has undertaken extensive efforts to ensure the conservation of such stocks through international action...", a commensurate Canadian quota share would be 14 per cent.

NAFO's reputation as a global leader in fisheries management, science, and international cooperation is encouraging as we seek a path forward on this long-standing issue. Canada looks forward to working constructively with other NAFO Contracting Parties at the September 18, 2022 meeting, in view of progressing towards a responsible fishing regime for shrimp in division 3M in line with our commitments within the NAFO Convention.

Northwest Atlantic



Fisheries Organization

COM Working Paper 22-20

**NAFO FISHING REGIME FOR SHRIMP IN DIVISION 3M MEETING - 18 SEPTEMBER 2022**

**Fishing regime Shrimp in division 3M NAFO  
(Delegation of European Union)**

Please see enclosed.



**EUROPEAN COMMISSION**  
DIRECTORATE-GENERAL FOR MARITIME AFFAIRS AND FISHERIES

International Ocean Governance and Sustainable Fisheries  
**Regional Fisheries Management Organisations**  
Deputy Director and Head of Unit

Brussels,  
MARE.B2/IG

Fred Kingston  
Executive Secretary  
Northwest Atlantic  
Fisheries Organization  
Summit Place – 1601 Lower  
Water Street – Suite 401  
Halifax, Nova Scotia  
B3J 3P6  
Email: FKingston@nafo.int

**Subject: NAFO Fishing Regime for Shrimp in Division 3M Meeting, 18 September 2022 in Porto. The European Union proposal: a quota revision of COM Working Paper 21-09.**

Dear Mr. Kingston,

In preparation for the meeting concerning Shrimp in Division 3M on 18 September 2022 in Porto, I refer to the EU proposal presented at the 2021 NAFO Annual Meeting, document '*COM Working Paper 21-09*'.

In February 2022, the USA provided additional data concerning US charter catches and landings of shrimp in Division 3M for the period 2000-2007, and this data was included by the NAFO Secretariat in COM WP 22-02. Following this, we reviewed our proposal adding to STATLANT 21A this US chartering data and we slightly modified the two possible scenarios of quota allocation included in Annex I in '*COM Working Paper 21-09*'.

We also included in our revision the updates of historical catch data received from Poland in Division 3M. This information was transmitted to the NAFO Secretariat on 20 April 2020 and it refers to small discrepancies identified for the years 1997 and 2007 between the STATLANT catch data, and the catch data held by the Ministry of Fisheries of Poland (our letter *Ref. Ares (2020) 2281897 - 29/04/2020*).

The results of these updates are reflected in the attached annex for your information.

Yours faithfully,

Anders C. JESSEN



## ANNEX I

### **Scenarios presented by EU – shrimp 3M Moving from an efforts scheme to a TAC and quota system**

#### **SCENARIO 1**

This scenario is blending the following elements:

- **Weighted average catches (\*)** in **two** fishing periods, namely 1993-1999 and 2000-2010, where we applied a different percentage and weight: 1/3 and 2/3 respectively. The result is called “a”.
- Fishing days (fishing effort) assigned to each NAFO Contracting Party in 1996. (called “b”).
- We combined “a” and “b” applying again a different percentage and weight: 2/3 to “a” and 1/3 to “b”.

(\*): The catches in these two fishing periods were not considered as a simple average, but as a weighted average with increasing weight over time, with higher weight in most recent years. The weighting factor was computed as  $1/(n(n+1)/2)$  with  $n$  = number of years in the time series.

#### **SCENARIO 2**

This scenario is blending the following elements:

- **Weighted average catches (\*\*)** in **three** fishing periods, namely 1993-1999, 2000-2008 and 2009-2010, where we applied a different percentage and weight: 1/4, 1/2 and 1/4 respectively. The result is called “a”.
- Fishing days (fishing effort) assigned to each NAFO Contracting Party in 1996. (called “b”).
- We combined “a” and “b” applying again a different percentage and weight: 2/3 to “a” and 1/3 to “b”.

(\*\*): The catches in these three fishing periods were not considered as a simple average, but as a weighted average with increasing weight over time, with higher weight in most recent years. The weighting factor was computed as  $1/(n(n+1)/2)$  with  $n$  = number of years in the time series. It is the same consideration as under scenario 1.

## **SIMULATION OF ALLOCATION KEYS FOR NAFO MEMBERS:**

**TABLE 1 (as % of total TAC) (#)**

	SCENARIO 1	SCENARIO 2
Canada	1,7%	1,7%
Cuba	1,4%	1,4%
DFG	18,9%	19,1%
EU	39,3%	40,0%
FRA-SPM	0,5%	0,6%
Iceland	14,8%	14,4%
Japan	0,3%	0,3%
Korea	0,3%	0,3%
Norway	15,3%	14,9%
Russia	6,7%	6,6%
Ukraine	0,4%	0,4%
USA	0,3%	0,3%
<b>TOTAL TAC</b>	<b>100,0%</b>	<b>100,0%</b>

(#) **Note:** Table 1 is the same table originally included in the EU proposal presented at the 2021 NAFO Annual Meeting (document ‘COM Working Paper 21-09’).

**TABLE 2 (as % of total TAC) (##)**

	SCENARIO 1	SCENARIO 2
Canada	1,94%	1,81%
Cuba	1,20%	1,36%
DFG	19,06%	18,28%
EU	37,44%	38,56%
FRA-SPM	0,54%	0,56%
Iceland	15,00 %	14,07%
Japan	0,30%	0,31%
Korea	0,27%	0,27%
Norway	14,86%	15,30%
Russia	7,75%	7,64%
Ukraine	0,41%	0,43%
USA	1,23%	1,40%
<b>TOTAL TAC</b>	<b>100,0%</b>	<b>100,0%</b>

(##) **Note:** Table 2 includes the additional data provided by USA concerning US charter catches and landings of shrimp in Division 3M for the period 2000-2007. Considering that this additional data was included by the NAFO Secretariat in COM WP 22-02, scenarios 1 and 2 had to be adjusted. Table 2 also includes small updates of historical catch data received from Poland in Division 3M. This information was transmitted to the NAFO Secretariat in April 2020.