APPLICATION FOR CONSENT TO CONDUCT MARINE SCIENTIFIC RESEARCH IN AREAS UNDER NATIONAL JURISDICTION OF ICELAND

Date: 27.04.2022

1. General Information

1.1 Ship and cruise number: Jákup Sverri Mackerel IESSNS Cruise 2230

1.2 Sponsoring institution:

Name:	Havstovan
Address:	PO Box 3051, Nóatún, FO-110 Tórshavn Faroe Islands
Name of director:	Marita Rasmussen

1.3 Scientist in charge of project:

Name:	Dr. Jan Arge Jacobsen
Address:	Havstovan PO Box 3051, Nóatún FO-110 Tórshavn Faroe Islands
Telephone:	+298 353900
email:	janarge@hav.fo

1.4 Scientist from Iceland with knowledge of the project:

Name:	Dr. Guðmundur J. Óskarsson
Address:	Haf og vatn P.O.Box 1390, Skúlagata 4 121 Reykjavík, Iceland

1.5 Submitting officer:

Name:	Marita Rasmussen
Address:	Havstovan PO Box 3051, Nóatún FO-110 Tórshavn Faroe Islands
Telephone:	+298 353900
e-mail:	marita@hav.fo

2. Description of Project

2.1 Nature and objectives of the project:

Assess the stock of Northeast Atlantic mackerel by swept area trawl survey method (International Ecosystem Summer Survey in the Nordic Seas, IESSNS) in July 2022. Five parties (Iceland, Faroes, Norway, Greenland and Denmark) with six vessels (see text table below) take part in the survey, coordinated by the "Working Group of International Pelagic Surveys" (WGIPS) in ICES. The results will be used in the assessment of mackerel, herring and blue whiting by the "Working Group on Widely Distributed Stocks" [WGWIDE] in August later this year.

Ship	Nation
Jákup Sverri	Faroes
Árni Friðriksson	Iceland
Eros	Norway
Vendla	Norway
Tarajoq	Greenland
tbd	Denmark

2.2 Relevant previous or future research cruises:

2021	30.06-21.07	Jákup Sverri
2020	02.07-18.07	Tróndur í Gøtu
2019	28.06-13.07	Finnur Fríði
2018	01.07-19.07	Tróndur í Gøtu
2017	03.07-19.07	Tróndur í Gøtu
2016	05.07-20.07	Tróndur í Gøtu

2.3 Previously published research data relating to the project:

ICES. 2021. ICES Working Group of International Pelagic Surveys (WGIPS). ICES Scientific Reports 3:40. 481 pp. https://doi.org/10.17895/ices.pub.8055

ICES. 2020. ICES Working Group of International Pelagic Surveys (WGIPS). ICES Scientific Reports 2:56. 473 pp. http://doi.org/10.17895/ices.pub.6088

ICES. 2019. ICES Working Group of International Pelagic Surveys (WGIPS). ICES Scientific Reports. 1:11. 493 pp. http://doi.org/10.17895/ices.pub.5122

ICES. 2018. Report of the Working Group on International Pelagic Surveys (WGIPS). ICES CM 2018/EOSG:14. 340 pp.

3. Methods and Means to be Used

3.1 Particulars of vessel:

Name: Jákup Sverri **Nationality:** Faroese
Owner: Føroya Landsstýri (The Local Faroese Government)
Operator: Havstovan
Overall length: 54.1 m **Maximum draught:** 6.4 m
Net tonnage: 600 t **Gross tonnage:** 1900 t
Propulsion: Diesel-electric
Cruising speed: 10 kn **Maximum speed:** 14 kn
Call sign: XPZO
Registered port and number: Tórshavn (cargovessel)
Method and capability of communication: Radio-telephone
Name of master: Martin í Grund
Number of crew: 13
Number of scientists on board: 4-5

3.2 Aircraft or other craft to be used in the project: N/A

3.3 Particulars of methods and scientific instruments:

Types of samples and data	Methods to be used	Instruments to be used
Water	CTD + bottle sample	CTD + Rosette
Plankton	Vertical hauls	Plankton net
Fish	Horizontal hauls	Pelagic trawl
Fish	Acoustic estimation	Acoustic echosounders

3.4 Indicate whether harmful substances will be used: NO

3.5 Indicate whether drilling will be carried out: NO

3.6 Indicate whether explosives will be used: NO

4. Installations and Equipment

Details of installations and equipment (dates of laying, servicing, recovery; exact locations and depth):

None.

5. Geographical Areas

5.1 Indicate geographical areas in which the project is to be conducted (with reference in latitude and longitude):

Water, plankton and fish will be sampled along the cruise transects shown in the attached chart within the approximate area 60°00'N-68°00'N and 4°00'E-16°00'W. See attached chart from the 2022 survey plan.

5.2 Attach chart(s) at an appropriate scale showing the geographical areas of the intended work and, as far as practicable, the positions of intended stations, the tracks of survey lines, and the locations of installations and equipment.

Attached.

6. Dates

6.1 Expected dates of first entry into and final departure from the research area of the research vessel:

The ship is expected to be in East Icelandic waters sporadically on the western cruising legs during the period (see attached map):
Entry: 01.07.2022
Exit: 20.07.2022

6.2 Indicate if multiple entry is expected:

Yes.

7. Port Calls

7.1 Dates and names of intended ports of call in Iceland:

No intended port call.

7.2 Any special logistical requirements at ports of call:

N/A

7.3 Name/address/telephone of shipping agent (if available):

N/A

8. Participation

8.1 Extent to which Iceland will be enabled to participate or to be represented in the research project:

Observers are welcome aboard.

8.2 Proposed dates and ports for embarkation/disembarkation:

Tórshavn, Faroe Islands at beginning and end of cruise.

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to Iceland of preliminary reports which should include the expected dates of submission of the final results:

Within six months from conclusion of cruise.

9.2 Proposed means for access by Iceland to data and samples:

By cruise report.

9.3 Proposed means to provide Iceland with assessment of data, samples and research results or provide assistance in their assessment or interpretation:

All results submitted to ICES.

9.4 Proposed means of making research results internationally available:

Through ICES Working Group reports and in published journals.

10. Scientific Equipment

Coastal State Iceland

Port Call No *Indicate "Yes" or "No"*

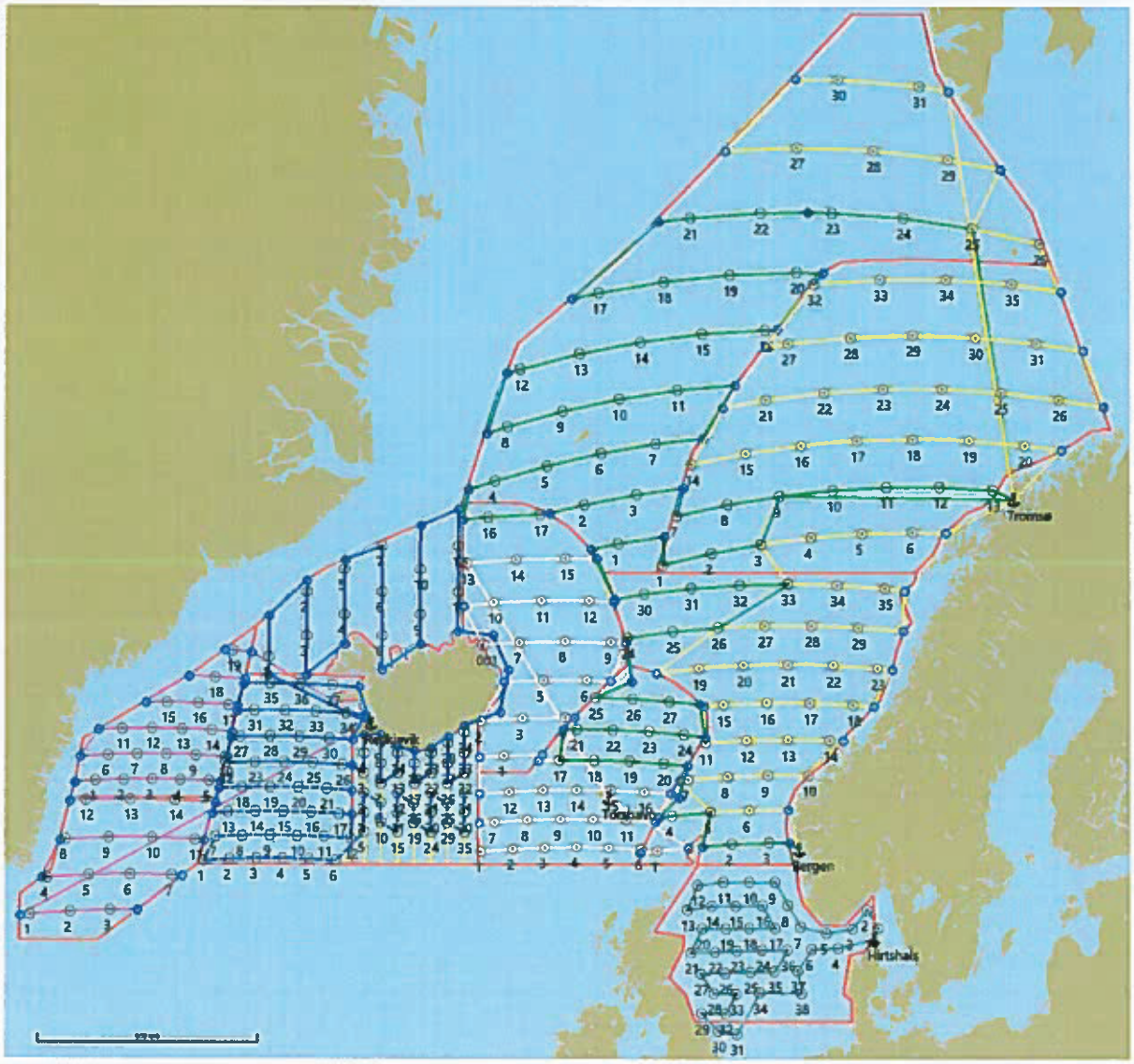
Dates N/A

LIST SCIENTIFIC WORK BY FUNCTION eg: magnetometry, gravity, diving, seismics, bathymetry, sea bed sampling, trawling, echo sounding, water sampling, u/w TV, moored instruments, towed instruments	Water column including sediment sampling of the sea bed	Fisheries research within fishing limits	Research concerning the natural resources of the Continental Shelf or its physical characteristics	Distance from coast within 12 nms	Distance from coast between 12-200 nm	(Continental Shelf work only) Beyond 200 nm but within the Continental margin
Water sampling	Yes	Yes	No	No	Yes	Yes
Plankton sampling	Yes	Yes	No	No	Yes	Yes
Pelagic trawling	Yes	Yes	No	No	Yes	Yes
Echosounding	Yes	Yes	No	No	Yes	Yes

Marita Rasmussen

Dated 27. April 2022

NB: IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES/AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY



Map, showing the planned survey cruise tracks for all vessels in the joint international mackerel surveys in the Norwegian Sea (IESSNS) in July 2022. The coordination of the surveys is within the ICES WGIPS with the participation of five parties: NO, IC, FO, GR and DK. The Faroese "Jákup Sverri" (white lines) will cover the Faroese area extending into Icelandic and Jan Mayen area up to several times.