NOTIFICATION OF PROPOSED RESEARCH CRUISE

GENERAL

Part A

1. **Name of research ship:**
Arni Fridriksson

Cruise No.: A-10-2026

2. Dates of cruises:
From: 1 September 2026
To: 29 September 2026

3. Operating Authority:
Marine and Freshwater Research Institute, Reykjavik, Iceland
Telephone: +354 575 20 00
Telefax: +354 575 20 01

4. Owner (if different from par. 3):

5. Particular of ship:
Name: Arni Fridriksson
<Nationality: Icelandic
Overall length: 69.9 meters
Maximum draught (m): 7.5 meters
Nett tonnage: 1200
Propulsion: 4x1200 HP
Call Sign: TFNA
Satellite telephone number: +3544121111 and +881631426272

6. Crew:
Name of Master: Heimir Örn Hafsteinsson
No. of Crew: 16

7. Scientific Personnel:
Name and address of Scientist in charge: Teresa da Silva
Telephone/Telefax/email: +354 575 20 00/575 20 01/ Teresa.silva@hafogvatn.is
No. of scientists: 7

8. Geographical area in which ship will operate (with reference in latitude and longitude):
66° 00′ - 76° 00′ N, 05° 00′ W - 38° 00′ W.

9. Brief description of purpose of cruise:

Acoustic estimation of capelin abundance and hydrography. The cruise is used as a basis for giving advice on fishing opportunities.

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10. Dates and names of intended ports of call: None

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11. Any special logistic requirements at ports of call:

NOTIFICATION OF PROPOSED RESEARCH CRUISE DETAIL

DETAIL

Part B

1. Name of research ship

Arni Fridriksson

Cruise No.

A-10-2026

2. Dates of cruise:

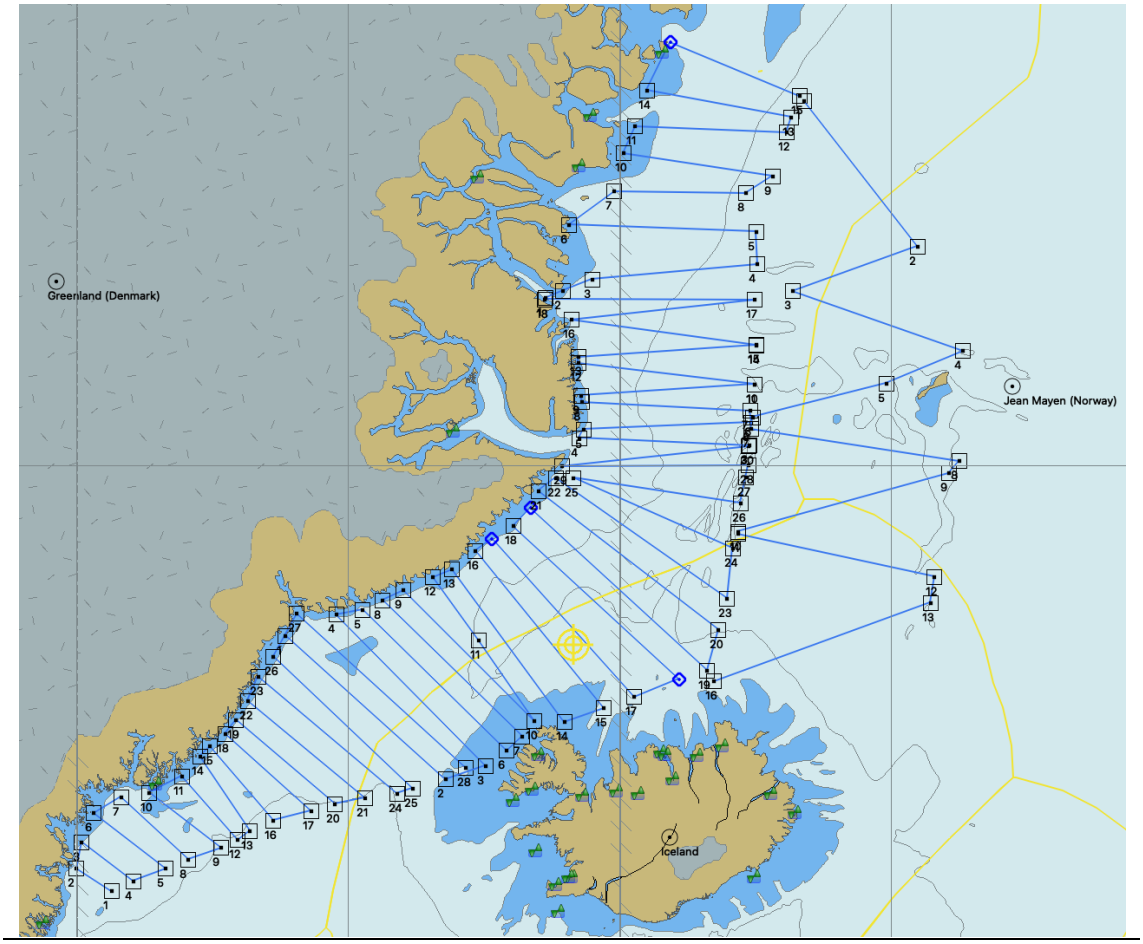
From: 1.9.2026

To: 29.9.2026

3. Purpose of research and general operational methods:

Acoustic abundance estimation of capelin. Capelin sampled by pelagic trawl. Zooplankton sampled with plankton nets. Temperature and salinity measurements by CTD.

4. Attach chart showing (on an appropriate scale) the geographical area work, positions of intended stations, tracks of survey lines, positions of moored/ seabed equipment:



Proposed survey tracks (blue lines) in the capelin measurements during 1-29 September 2026. The transects covered by RV Árni Friðriksson will be in the northern part of E-Greenland, into the Jan Mayen zone and north of Iceland. Greenland will then participate with their vessel, starting late August, along the southern part of E-Greenland.

5. Types of samples required, e.g. Geological/Water/Plankton/Fish/ Radioactivity/Isotope and methods by which samples will be obtained (including dredging/coring/drilling):

Capelin sampled by pelagic trawl for biological data. Zooplankton sampled by zooplankton nets. Water samples by water bottles.

6. Details of moored equipment:

Moored equipment will not be set out!

Dates:

Longitude:

Latitude:

Description:

Recovery:

Laying:

7. Explosives:

None

(a) Type and Trade name:

(b) Chemical content:

(c) Dept of Trade class and storage:

(d) Size:

(e) Depth of detonation:

(f) Frequency of detonation:

(g) Position in latitude and longitude:

(h) Dates of detonation:

8. Detail and reference of:

(a) Any relevant previous/future cruises:

Similar cruises have been carried out since 1978.

(b) Any previously published research data related to the proposed cruise (Attach separate sheet if necessary):

Annual reports to ICES working groups. The latest survey report to the ICES North Western Working Group on the autumn survey is available here: https://www.hafogvatn.is/static/extras/images/31-cap_techreport_en_oct2025.html

9. Names and addresses of scientists of the coastal state in whose waters the proposed cruises takes place with whom previous contact has been made:

Dr Georg Skaret, Havforskningsinstituttet, Postboks 1870 Nordnes, 5817 Bergen.

10. State:

(a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable: Not applicable as no calls to port are planned.

(b) Whether it will be acceptable to carry on board an observer from the coastal state for any part of the cruise and dates and ports of embarkation-disembarkation:

Yes, please contact cruise leader.

(c) When research date from intended cruise is likely to be made available to the coastal state and if so by what means:

A cruise report will be available at MFRI webpage in October 2026 (https://www.hafogvatn.is/en/harvesting-advice). ICES NWWG will meet in spring to discuss results. Report of working group is available for download from ICES web page (ices.dk).

SCIENTIFIC EQUIPMENT

11. **Complete the following table** - SEPARATE COPY FOR EACH COASTAL STATE (INDICATE "YES" OR "NO")

List of all major Marine Scientific Equipment it is proposed to use and indicate waters in which it will be deployed	Within Fishing Limits	On Continental Shelf	DISTANCE FROM/COAST			
			Within 3 NM	Between 3-12 NM	Between 12-50 NM	Between 50-200 NM
Pelagic trawling, echo sounders, fish-finding	Yes	Yes	**No**	**Yes**	**Yes**	**Yes**

sonar, zooplankton nets, CTD and binoculars	

12. Details about research equipment to be used, purpose and where operated.

Equipment	Purpose	Where operated
Kongsberg EK80 scientific echosounder; 18, 38,70, 120 and 200 KHz	Abundance estimation of pelagic fish (capelin)	Throughout the survey tracks
Simrad SU90 Fish-finding Sonar	For exploring the density and distribution of pelagic fish around the vessel	Throughout the survey tracks
Multpelt 832 pelagic trawl	For colleting fish samples from registrations for species identification and for getting biological information	Throughout the survey tracks
Sea-bird Conductivity, Temperature, Depth (CTD) profiler	Measure temperature, salinity and collect water samples for measuring nutrients concentrations and calibration of the salinity sensors	At selected stations at around 50 nmi interval in the whole survey area.
WP2 zooplankton nets with 200µm mesh size, hauled vertically from 200m depth	Collect sample of meso-zooplankton for investigating species composition and density	At selected stations at around 50 nmi interval in the whole survey area.
Binoculars and cameras	For counting marine mammals from the bridge	Throughout the survey tracks

LAST YERS SURVEY REPORT

13. The survey report from last year can be found here:
https://www.hafogvatn.is/static/extras/images/31-cap_techreport_en_oct2025.html