GB

Application for Consent to conduct
Marine Scientific Research

Date: 2018/1/17

1. General Information

1.1 Cruise name and/or number:
WH 415

1.2 Sponsoring Institution(s):	
Name:	Thuenen Institute of Baltic Sea Fisheries
Address:	Alter Hafen Sued 2, 18069 Rostock, Germany
Name of Director:	Dr. Christopher Zimmermann

1.3 Scientist in charge of the Project:	
Name:	Dr. Andreas Hermann
Country:	Germany
Affiliation:	Thuenen Institute of Baltic Sea Fisheries
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Email:	andreas.hermann@thuenen.de
Website (for CV and photo):	www.thuenen.de/of

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	
Affiliation:	
Address:	
Telephone:	
Fax:	
Email:	
Website (for CV and photo):	

2. Description of Project

2.1 Nature and objectives of the project:
In GB waters: During this cruise, following technical devices will be tested: 1. Multisampler 1: Functional test of a multisampler unit for pelagic trawl fishing gears. The deployment of the gear will be observed by a simultaneously towed ROV (remotely operated vehicle) with onboard video unit. 2. ROV: A new setup for an observation class ROV with an underwater positioning system will be tested and some training for the technical crew is planned 3. Multisampler 2: Functional test of a multisampler unit for plankton. This will be observed by a simultaneously towed ROV with an onboard video unit. 4. CTD/video-unit: For the onboard CTD unit a new live video streaming unit will be tested. 5. Towed ROV: for midwater hydrographic observation Further devices might be tested depending on the current status of development and the current tasks at the time of the cruise. The test of the towed ROV and multisamplers should be carried out in deeper water.

A prerequisite for the test is rather calm sea state. Since the available time window for the test is very limited (few days), it might be necessary to look for sheltered areas close to the shore.

2.2 If designated as part of a larger scale project, then provide the name of the project and the Organisation responsible for coordinating the project:

2.3 Relevant previous or future research projects:

2.4 Previous publications relating to the project:

3. Geographical Areas

3.1 Indicate geographical areas in which the project is to be conducted (with reference in Latitude and longitude in decimal degrees, including coordinates of cruise/track/way points/sampling stations). Please provide coordinates in a separate excel spreadsheet.
British waters between 56° and 62° N and 5° W – 2°E inside of EEZ GB excl. 3nm-zone

3.2 Attach chart(s) at an appropriate scale (1 page, high-resolution) showing the geographical Areas of the intended work and, as far as practicable, the location and depth of sampling Stations, the tracks of survey lines, and the locations of installations and equipment.
See figure 1

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	FRV Walther Herwig III
Type/Class:	Fishery Research Vessel
Nationality (Flag State):	Germany
Identification Number (IMO/Lloyds No.):	9048392
Owner:	Federal Republic of Germany
Operator:	Bundesanstalt für Landwirtschaft und Ernährung
Overall length (meters):	63,18 meters
Maximum draught:	6,2 meters
Displacement/Gross Tonnage:	2131 NRZ
Propulsion:	Diesel/Diesel Electric
Cruising & maximum speed:	13kn
Call sign:	DBFR
INMARSAT number and method and capability of communication (including emergencyfrequencies):	
Name of Master:	Kpt. H. O. Janßen
Number of Crew:	21
Number of Scientists on board:	12

4.2 Particulars of Aircraft:	
Name:	
Make/Model:	

Nationality (flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall Length (meters):	
Propulsion:	
Cruising & Maximum speed:	
Registration No.:	
Call Sign:	
Method and capability of communication (including emergency frequencies):	
Name of Pilot:	
Number of crew:	
Number of scientists on board:	
Details of sensor packages:	
Other relevant information:	

4.3 Particulars of Autonomous Underwater Vehicle (AUV):	
Name:	
Manufacturer and make/model:	
Nationality (Flag State):	
Website for diagram & Specifications:	
Owner:	
Operator:	
Overall length (meters):	
Displacement/Gross tonnage:	
Cruising & Maximum speed:	
Range/Endurance:	
Method and capability of communication (including emergency frequencies):	
Details of sensor packages:	
Other relevant information:	

4.4 other craft in the project, including its use:
-

4.5 Particulars of methods, full description of scientific instruments to be used(for fishing gear specify type and dimension) and location			
Types of samples and Measurements:	Methods to be used:	Instruments to be used:	To be carried out within 12nm (yes or no):
Fish (aim of use: test of equipment)	Pelagic Trawl	Multisampler attached to a pelagic trawl (type of trawl to be specified, likely PSN205, see figure 2)	no
Zooplankton (aim of use: test of equipment)	PelagicTrawl	Plankton-multisampler attached to planktonnet IKMT (Isaac-Kit-Midwater-Trawl)	no

4.6 Indicate nature and quantity of substances to be released into the marine environment:
None

4.7 Indicate whether drilling will be carried out. If yes, please specify:

No

4.8 Indicate whether explosives will be used. If yes, please specify type and trade name, Chemical content, depth of trade class and stowage, size, depth of detonation, frequency of Detonation, and position in latitude and longitude:
No

5. Installations and Equipment

Details of installations and equipment (including dates of laying, servicing, method and Anticipated timeframe for recover, as far as possible exact locations and depth, and Measurements):
No equipment will be installed in the environment. All equipment stays connected to the ship. We use towed instruments: ROTV for observation and pelagic trawl with multisampler unit and towed plankton net with multisampler. Training will be carried out on observation class ROV (Seaeye Saab Falcon)

6. Dates

6.1 Expected dates of first entry into and final departure from the research area by the research vessel and/or other platforms:
First entry: 28.3.2018 Final departure: 6.4.2018
6.2 Indicate if multiple entries are expected:

7. Port Calls

7.1 Dates and Names of intended ports of call:
Aberdeen (date and time not specified by now)

7.2 Any special logistical requirements at ports of call:

7.3 Name/Address/Telephone of shipping agent (if available):

8. Participation of the representative of the coastal State

8.1 Modalities of the participation of the representative of the coastal State in the research Project:
Participation of representative of coastal state is possible. Embark and Disembark is only possible in Bremerhaven. Since, the cruise is solely for test-purposes, not research project is assigned to it.

8.2 Proposed dates and ports for embarkation/disembarkation:
Embark/disembark only in Bremerhaven possible (27.03.-07.04.2018)

9. Access to Data, Samples and Research Results

9.1 Expected dates of submission to coastal State of preliminary report, which should include The expected dates of submission of the data and research results:
No scientific valid data will be gathered, since only test data will be obtained. Report is available shortly after the end of the cruise through official channels.

9.2 Anticipated dates of submission to the coastal State of the final report:
No scientific valid data will be gathered, since only test data will be obtained. Report is available shortly after the end of the cruise through official channels.

9.3 Proposed means for access by coastal State to data (including format) and samples:
No scientific valid data will be gathered, since only test data will be obtained. Report is available shortly after the end of the cruise through official channels.

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:
No scientific valid data will be gathered, since only test data will be obtained. Report is available shortly after the end of the cruise through official channels.

9.5 Proposed means to provide assistance in assessment or interpretation of data, samples And research results:

9.6 Proposed means of making results internationally available:
No scientific valid data will be gathered, since only test data will be obtained. Report is available shortly after the end of the cruise through official channels.

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):
Notification for Norwegian permit pending

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:

Signature:

Contact information of the focal point:
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Country: Germany
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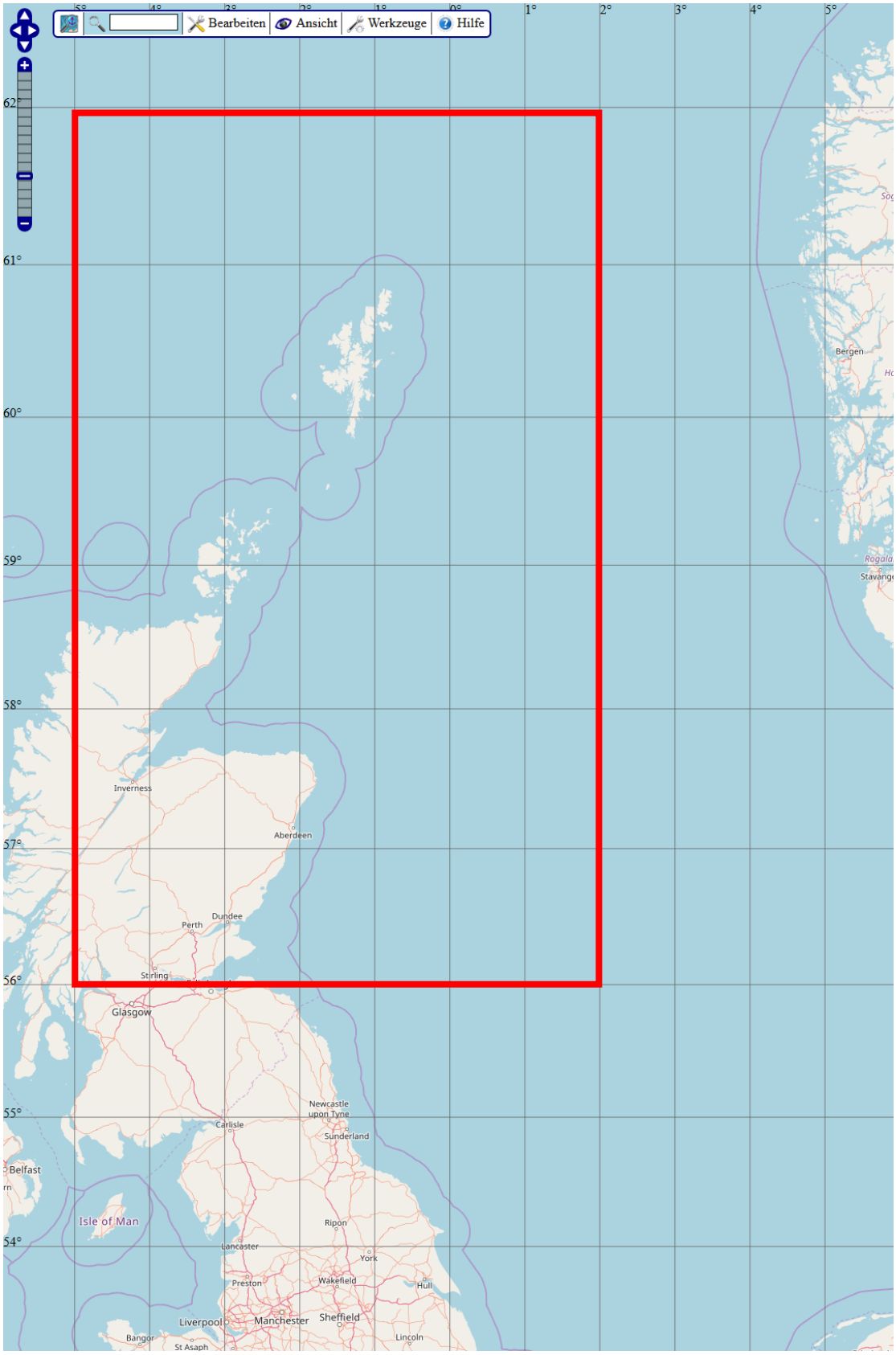

Figure 1: areas of operation, red rectangle: area in marine waters; source: OpenSeaMap

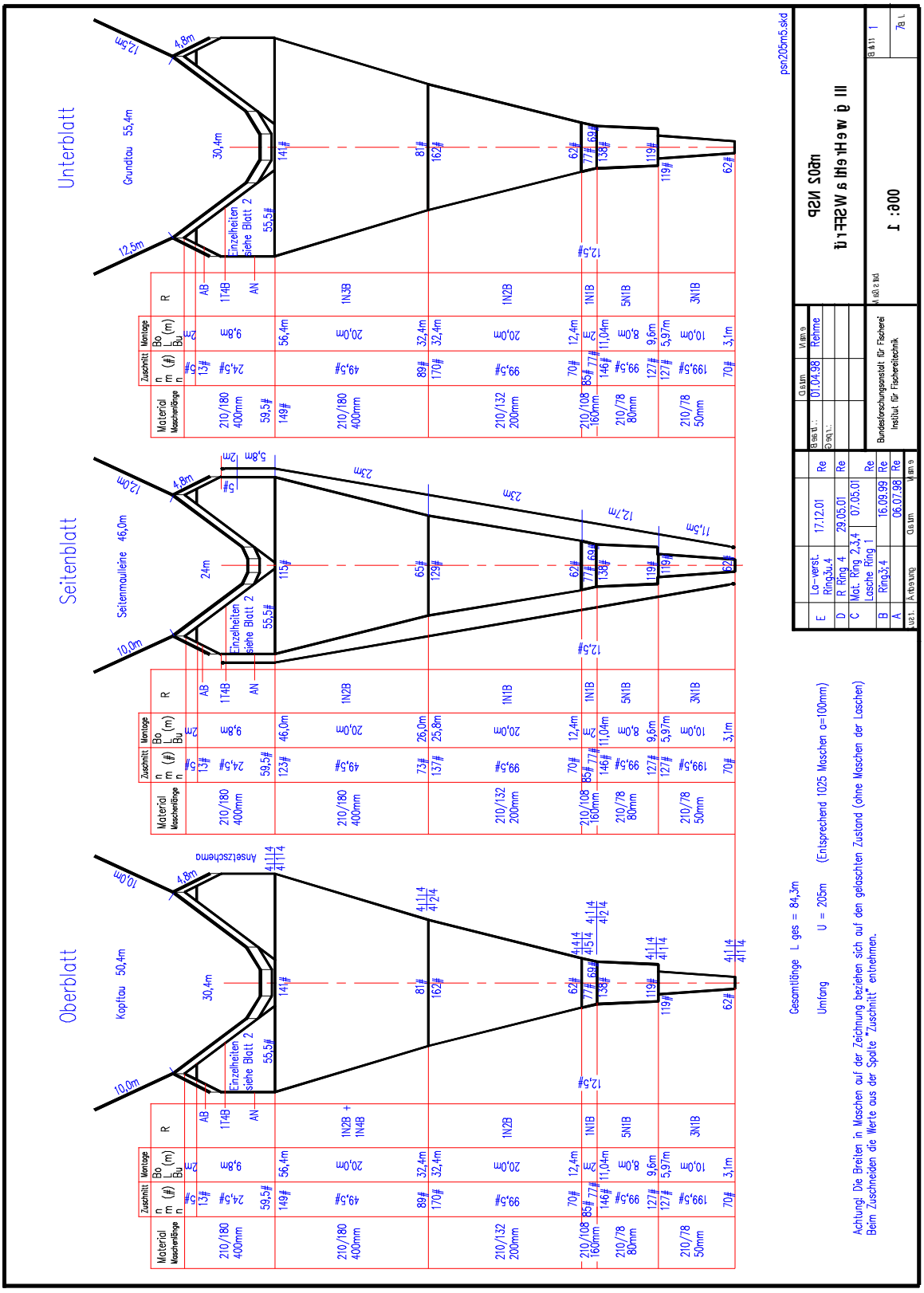

Figure 2: specification for pelagic trawl PSN205