

Application for Consent to conduct
Marine Scientific Research

Date: 07 November 2017

1. General Information

1.1 Cruise name and/or number: Walther Herwig III cruise number 417

1.2 Sponsoring Institution(s):	
Name:	Thünen Institute of Sea Fisheries
Address:	Palmaille 9, 22767 Hamburg, Germany
Name of Director:	Dr. Gerd Kraus

1.3 Scientist in charge of the Project:	
Name:	Dr. Matthias Bernreuther
Country:	Germany
Affiliation:	Thünen Institute of Sea Fisheries
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Email:	matthias.bernreuther@thuenen.de
Website (for CV and photo):	https://www.thuenen.de/en/sf/staff/scientific-staff/bernreuther-matthias-dr/

1.4 Entity(ies)/Participant(s) from coastal State involved in the planning of the project:	
Name:	P. Fernandes
Affiliation:	FRS Marine Laboratory, Aberdeen
Address:	Room 419 Zoology Building
Telephone:	+44 (0)1224 274166
Fax:	
Email:	fernandespg@abdn.ac.uk
Website (for CV and photo):	http://www.abdn.ac.uk/biologicalsci/staff/details/fernandespg

2. Description of Project

2.1 Nature and objectives of the project:
<i>Calibration of echo sounder equipment as preparation for the International Deep Pelagic Ecosystem Survey (IDEEPS) in the Irminger Sea and adjacent waters by Iceland, Russia and Germany (Pelagic trawl-acoustic survey targeting oceanic redfish)</i>

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:
<i>Coordinating body: International Council for the Exploration of the Sea (ICES)</i>
<i>Survey name: International Deep Pelagic Ecosystem Survey (IDEEPS) (triennial)</i>

2.3 Relevant previous or future research projects:
<i>International trawl and acoustic surveys in the Irminger Sea and adjacent waters by Russia, Iceland, Germany, Norway in June-July 1996, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013 and 2015</i>

2.4 Previous publications relating to the project:
<i>Third Interim Report of the Working Group on International Deep Pelagic Ecosystem Surveys (WGIDEEPS) - ICES CM 2015 / SSGIEOM:03 and previous reports available at the home page of the International Council for the Exploration of the Sea (ICES):</i> (http://www.ices.dk/community/groups/Pages/WGIDEEPS.aspx)

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.
<i>Possible positions of the calibration: 58°28'N-004°43'W (Loch Eriboll) or 58°54'N-003°02'W (Orkney Islands, Scapa Flow)</i>

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.
<i>Depicted in attached map</i>

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	<i>FRV "Walther Herwig III"</i>
Type/Class:	<i>Research vessel</i>
Nationality (Flag State):	<i>Germany</i>
Identification Number (IMO/Lloyds No.):	<i>IMO 9048392</i>
Owner:	<i>Federal Republic of Germany</i>
Operator:	<i>Bundesanstalt für Landwirtschaft und Ernährung</i>
Overall length (meters):	<i>63.18</i>
Maximum draught:	<i>6.20</i>
Displacement/Gross Tonnage:	<i>2132</i>
Propulsion:	<i>Diesel Electric</i>
Cruising & maximum speed:	<i>10/13 kn</i>
Call sign:	<i>DBFH</i>
INMARSAT number and method and capability of communication (including emergency frequencies):	<i>Tel.: +870 773 236 187 Fax.: +870 783 209 565</i>
Name of Master:	<i>Capt H.O. Janßen or deputy</i>
Number of Crew:	<i>21</i>
Number of Scientists on board:	<i>12</i>

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):
<i>CTD</i>		<i>Seabird</i>	<i>yes</i>
<i>Sounder</i>		<i>EK60</i>	<i>yes</i>

4.6 Indicate nature and quantity of substances to be released into the marine environment:
<i>none</i>

4.7 Indicate whether drilling will be carried out. If yes, please specify: No
<i>no</i>

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:
<i>no</i>

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):
<i>none</i>

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:

11 June 2018 to 20 July 2018 – Entries and departures will be within this period

6.2 Indicate if multiple entries are expected:

yes

7. Port Calls

7.1 Dates and Names of intended ports of call:

none

7.2 Any special logistical requirements at ports of call:

no

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

NA

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:

Co-financed by the EU

8.2 Proposed dates and ports for embarkation/disembarkation:

No/none

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:

Within 2 months of the completion of the survey

9.2 Anticipated dates of submission to the coastal State of the final report:

Within 12 months of the completion of the survey

9.3 Proposed means for access by coastal State to data (including format) and samples:

International Council for the Exploration of the Sea (ICES) database available at <http://www.ices.dk/marine-data/Pages/default.aspx>

9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:

Report of the Working Group on International Deep Pelagic Surveys (WGIDEEPS) and cruise report

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

Working Group on International Deep Pelagic Surveys (WGIDEEPS)

9.6 Proposed means of making results internationally available:

Report of the Working Group on International Deep Pelagic Surveys (WGIDEEPS)

10. Other permits Submitted

10.1 Indicate other types of coastal state permits anticipated for this research (received or Pending):
none

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:
Figure 1: Map of two alternative positions

Signature: 

Contact information of the focal point:
 Name: Dr. Matthias Bernreuther
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Figure 1: Location of the two alternative positions for echo sounder calibration purposes.