

Application for Consent to conduct
Marine Scientific Research

Date: 15.08.2017

1. General Information

1.1 Cruise name and/or number:	GASEEZ, Solea 743
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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:	Kay Panten
Country:	Germany
Affiliation:	
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Fax:	+49 (0)40 38905 263
Email:	kay.panten@thuenen.de
Website (for CV and photo):	http://www.thuenen.de/en/institutes/sf/

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:
Qualitative and quantitative recording of the demersal fish fauna in the German Exclusive Economic Zone (EEZ) of the North Sea and one additional station in British waters.

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:
SOLEA cruise 729

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.

See chart
Intended trawl position: 55° 48' North, 3° 15' East

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.

4. Methods and means to be used

4.1 Particulars of vessel:	
Name:	Solea
Type/Class:	Research Vessel
Nationality (Flag State):	Germany
Identification Number (IMO/Lloyds No.):	9314583
Owner:	Bundesrepublik Deutschland
Operator:	Bundesanstalt für Landwirtschaft und Ernährung Referat 524 Haubachstrasse 86, 22765 Hamburg
Overall length (meters):	42.74
Maximum draught:	4,20
Displacement/Gross Tonnage:	638 BRZ
Propulsion:	Diesel-Electric
Cruising & maximum speed:	10 kn, max. 12.5 kn
Call sign:	DBFH
INMARSAT number and method and capability of communication (including emergency frequencies):	Tel.: +870 773 900 091 Fax: +870 783 829 945
Name of Master:	Cpt. V. Koops or deputy
Number of Crew:	14
Number of Scientists on board:	7

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	Trawling	Beam trawl with 20mm codend (liner)	no
Water	Bottle sampling	CTD	no

4.6 Indicate nature and quantity of substances to be released into the marine environment: none
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4.7 Indicate whether drilling will be carried out. If yes, please specify: none
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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: none

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): none
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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:
03.12. – 19.12.2017 Depends on weather conditions
6.2 Indicate if multiple entries are expected:
none

7. Port Calls

7.1 Dates and Names of intended ports of call:
none
7.2 Any special logistical requirements at ports of call:
none
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:
8.2 Proposed dates and ports for embarkation/disembarkation:
no port call intended

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:
Report will be available about 4 weeks after the trip
9.2 Anticipated dates of submission to the coastal State of the final report:
Report will be available about 4 weeks after the trip
9.3 Proposed means for access by coastal State to data (including format) and samples:
9.4 Proposed means to provide coastal State with assessment of data, samples and Research results:
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:
Data provided to ICES Working Group on the Assessment of Demersal Fish Stocks

10. Other permits Submitted

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

11. List of Supporting Documentation

11.1 List of attachments, such as additional forms required by the coastal State, etc.:
Specification of bottom trawl
Survey chart

Signature:

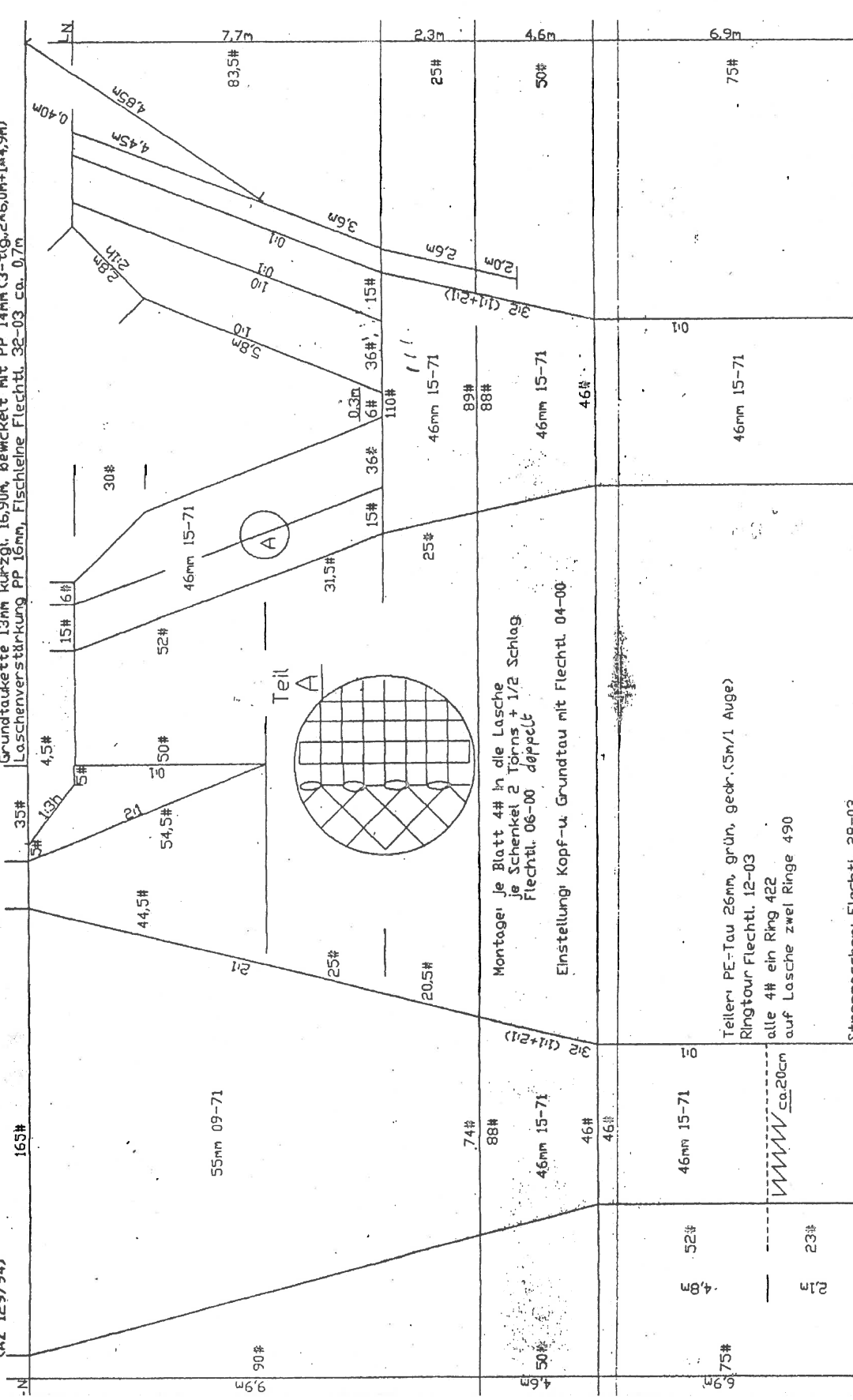


Contact information of the focal point:

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Fax: +49 (0)40 38905 263
Email: sf@thuenen.de

Kopftau Dana 16mm 6,95m, gespleißt, Spielße mit Schlemmngsgarn bewickelt
 Grundtau PP 16mm 17,50m, Augen mit Iso-Schlauch und 17er-Dr-Kausch
 Grundtaukette 13mm kurzgl. 16,90m, bewickelt mit PP 14mm (3-tig-2*6,0m+1*4,9m)
 Laschenverstärkung PP 16mm, Fischleine Flechtl. 32-03 ca. 0,7m

FFK "SOLEA" Seezungenkurve (7m-Baum)
 (AZ 129/94)



165# 90# 9,9m 55mm 09-71 74# 88# 46mm 15-71 46# 46# 46mm 15-71 52# 23# 48# 21# 23#

5# 13# 15# 16# 44,5# 54,5# 50# 30# 46mm 15-71 31,5# 15# 36# 0,3m 6# 110# 36# 15# 36# 2,5m 2,0m 3/2 (11+21) 46mm 15-71 89# 88# 46mm 15-71 46# 46# 46mm 15-71 75#

0,40m 4,85m 4,45m 83,5# 7,7m 2,0m 1,0m 1,0m 5,85m 1,0m 0,1m 0,1m 3,6m 2,5m 2,0m 3/2 (11+21) 46mm 15-71 46# 46# 46mm 15-71 75#

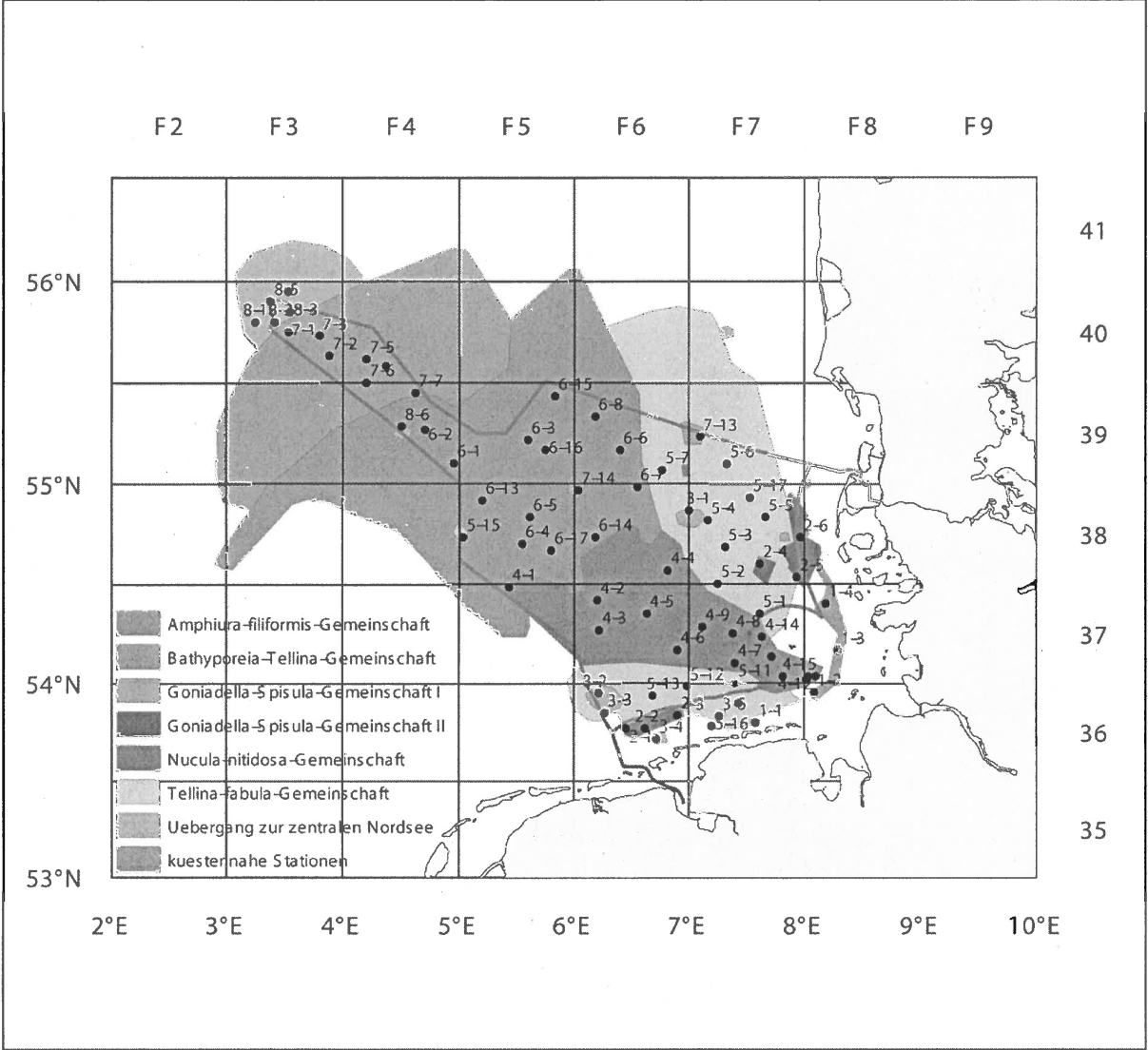
35# 13# 15# 16# 44,5# 54,5# 50# 30# 46mm 15-71 31,5# 15# 36# 0,3m 6# 110# 36# 15# 36# 2,5m 2,0m 3/2 (11+21) 46mm 15-71 89# 88# 46mm 15-71 46# 46# 46mm 15-71 75#

Montage: je Blatt 4# in die Lasche
 je Schenkel 2 Törnns + 1/2 Schlag
 Flechtl. 06-00 doppelt
 Einstellung: Kopf-u. Grundtau mit Flechtl. 04-00

Teiler: PE-Tau 26mm, grün, gedr. (5m/1 Auge)
 Ringtau Flechtl. 12-03
 alle 4# ein Ring 422
 auf Lasche zwei Ringe 490

Stropnaschen: Flechtl. 28-03
 alle 4# ein NIRD-Ring 4/30
 Steertbündel 12mm (3 Fd.)
 ca. 8cm

Specification of beam trawl



Survey Area FRV "Solea" Cruise No. 743