						Norway
	APPLICATION FOR	R A RESEAF	RCH CRUISE WITHIN A C	OAST	'AL STATE'	s FISHERY LIMITS
						FISKERIDIREKTORATET
						ARKIV
١.	GENERAL					323
						10 400
1.	NAME OF RESEARCH SHIP	DANA		CRU	JISE NO.	13. NOV. 2008
						CAKONO
2.	DATES OF CRUISE	FROM	27.01.2009	то	25.02.2009	SAKSNR. JOJOBK.N
						U.O. 8/
3.	OPERATING AUTHORITY	DTU AQ	U AQUA (Danish Institute for Fisheries Research)			3.3. 3/
			nlund Castle		,	· ·
		DK-2920	Charlottenlund			
		Telephon	e: 33 96 33 00 Telex: 67765 d	lfhh dk	Fax: 339633	33 E-mail: hfi@dfu.min.dk
4.	OWNER (if different for para.3)	DTU-Aqua				
	-	Charlottenlund Castle, DK-2920 Charlottenlund				
5.	PARTICULARS OF SHIP	NAME		DAN	١A	
		NATION	ALITY	Dani	sh	
		OVERAI	LL LENGTH (metres)	80 m	etres	
		MAXIM	UM DRAUGHT (metres)	6.3 n	netres	
		NET TO	NNAGE	669.:	53 t	
		METHOD OF PROPULSION		Steam Turbine/Diesel/Diesel Electric		
		CALL SI	GN	OXE	ВН	
		REGIST	ERED PORT & NUMBER	Hirts	hals	
		(if reg. fis	shing vessel)			
<b>5</b> .	CREW	NAME C	OF MASTER	Frod	e Larsen	
		NUMBE	R OF CREW	28		
7.	SCIENTIFIC PERSONNEL	NAME A	ND ADDRESS OF	Jørge	en Dalskov	
		SCIENT	ΓIST IN CHARGE	Dani	sh Institute fo	or Fisheries Research
				Char	lottenlund Ca	stle
				DK-	2920 Charlott	enlund, Denmark

TEL/TELEX/FAX NO 33 96 33 00 / 33 96 33 33

NUMBER OF SCIENTISTS 10

8. **GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE** (with reference in Latitude and Longitude):

56°00'N - 62°00'N , 01°00'E - 12°00'E

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE:

IBTS (International Bottom Trawl Survey)

10. DATES AND NAMES OF INTENDED PORTS OF CALL:

NONE

11. ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:

NONE

## B. DETAIL

1. NAME OF RESEARCH SHIP DANA CRUISE NO.

2. **DATES OF CRUISE FROM** 27.01.2009 **TO** 25.02.2009

3. PURPOSE OF RESEARCH AND GENERAL OPERATIONAL METHODE

International Bottom Trawl Survey. Trawling.

4. PLEASE ATTACH CHART showing, at the appropriate scale the geographical area of the intended work, the areas to be fished, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment etc.:

See map

5a. TYPES OF SAMPLES REQUIRED e.g. Geological/water/plankton/fish. If fishing gear is to be used please indicate what fish stocks will be worked, the maximum quantity required of each species/stock and the quantity of fish to be retained on board:

01/2009

Fish: Herring, cod, haddock, Whiting, sprat, Fish larvae, Water

5b. METHODS BY WHICH SAMPLES WILL BE OBTAINED (e.g. dredging/coring/drilling/fishing etc.)

Fishing

6a. DETAILS OF MOORED EQUIPMENT:

Dates: Laying Recovery Description Latitude Longitude

None

6b. FULL DESCRIPTION FOR ALL FISHING GEAR TO BE USED (e.g. bottom trawl, mesh size, attachments etc.):

Gov-trawl: Bottom trawl (16 mm)

ISAAC-KIDD MIDWATER TRAWL: Pelagic (larvae) (5 mm).

7.	ANY HAZARDOUS MATERIALS e.g. chemicals/explosives/gases/radioactives etc)				
	(use seperate sheet if necessary) None				
	(a) TYPE OF TRADE NAME				
	(b) CHEMICAL CONTENT (& FORMULA)				
	(c) IMO IMDG CODE Reference & UN Number				
	(d) QUANTITY & METHODS OF STOWAGE ON BOARD				
	(e) IF EXPLOSIVES give date(s) of detonation				
	- Method of detonation				
	- Position of detonation				
	- Frequency of detonation				
	- Depth of detonation				
	- Size of detonation planned				
8.	PLEASE SET OUT DETAILS OF:				
	(a) ANY RELEVANT PREVIOUS/FUTURE CRUISES:				
	IBTS 1981 – 2008				
	(b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE: (Attach separate sheet if necessary) ICES C.M. several reports				
9.	NAMES AND ADDRESSES OF SCIENTISTS IN COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE:  Dr. Smedstad				
	Institute of Marine Research				
	Bergen				
	Norge				
10	STATE:				
10.	(a) WHETHER <u>VISITS TO THE SHIP</u> IN PORT BY COASTAL STATE SCIENTISTS WILL BE ACCEPTABLE:				
	YES				
	(b) WHETHER IT WILL BE ACCEPTABLE TO CARRY ON BOARD AN OBSERVER FOR ANY PART OF THE CRUISE YES				
	(If 'yes' please indicate possible dates and ports of embarkation/disembarkation)				
	By Special arrangement				
	(c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AUTHORITIES AND BY WHAT MEANS:  ICES C.M. 2008. May 2008				
	If the report will not be available within 12 months of the cruise, please set out, an explanation for the delay indicating when the report will be available.				

## 12. SCIENTIFIC EQUIPMENT

Complete the following table – separate copy for each coastal state

COASTAL STATE: Norway

PORT CALL: None

DATES:

## Indicate 'yes' or 'no' other than for fishing gear when the total hours of fishing in each zone should be indicated

LIST SCIENTIFIC WORK BY FUNCTION				DISTANCE FROM COAST			
e.g.: Magnetometry Gravity diving Seismics Bathymetry Seabed sampling Trawling Echo sounding Water sampling U/W TV Moored instruments Towed instruments	Water Column	Fisheries Research within fishing limits	Research concerning Continental shelf out of Coastal State's margin	Within 4 NM	Between 4-12 NM	Between 12 and 200 NM	
Trawling Water sampling CTD ISAAC-KIDD Echo sounding	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	No No No No	No No No No	Yes Yes Yes Yes	Yes Yes Yes Yes Yes	

Nina Holm. Cle Mer a Holium	Nina Holm	Clino	SPOP	u

(On behalf of the Principal Scientist)

IBTS 1Q 2009 Proposed Survey Grid Denmark - DANA - 27.01 - 25.02 / 2009

