

NOTIFICATION OF PROPOSED RESEARCH CRUISE

Page 1

GENERAL

Part A

01. Name of research ship: **MARIA S. MERIAN** Cruise No. **MSM 26**
02. Dates of cruise from Cork, 20.03.2013 to St. John's, 16.04.2013
03. Operating Authority **Institut für Meereskunde / University of Hamburg**
Bundesstr. 53, D-20146 Hamburg, Germany
Tel.: +49-40-42838-3974 - Fax: +49-40-42838-46 44
04. Owner (if different from para 3) **Federal State Mecklenburg-Vorpommern, Germany**
-
05. Particulars of ship:
- | | |
|-----------------|------------------------|
| Name | MARIA S. MERIAN |
| Nationality | German |
| Overall length | 94,8 metres |
| Maximum draught | 6,5 metres |
| Nett tonnage | 1750 NRZ |
| Propulsion | Diesel Electric |
| Call sign | D B B T |
06. Crew
- | | |
|----------------|-----------------------|
| Name of master | Ralf Schmidt |
| No. of crew | <u>max. 23</u> |
-
07. Scientific personnel:
- | | |
|---|---|
| Name and address of scientist in charge | Dr. Bernd Christiansen
Universität Hamburg
Große Elbstraße 133
22767 Hamburg |
| Tel. | +49 40 42838 6670 |
| Fax | +49 40 42838 6678 |
| No. of scientists | <u>max.23</u> |
-
08. Geographical areas in which ship will operate (with reference in latitude and longitude)
Northern Atlantic Ocean between 0°W and 49°30' W, and between 49°N and 66°N
09. Brief description of purpose of cruise
- The cruise aims at performing a broad scale survey of the North Atlantic pelagic ecosystem as well as targeted process studies at the shelf break. The activities are designed to study habitat utilization of different taxa and their impacts on carbon flux. A combination of new techniques (VPR) and conventional sampling gears, and on board process studies will be used.
10. Dates and names of intended ports of call
none

ICELAND

11. Any special logistic requirements at ports of call: not relevant

DETAIL

Part B

01. Name of research ship **Maria S. Merian** Cruise No. **MSM26**
 02. Dates of cruise from **Cork, 20.03.2013** to **St. John's, 16.04.2013**
 03. Purpose of research and general operational methods

Basic research on physical, chemical and biological structures. Methods include:
 - measurements of physical structures (salinity, temperature, currents) by CTD and ADCP
 - origin, quality and fluxes of organic matter using water bottles, pump systems
 - pelagic communities by plankton nets, acoustic surveys, photography/video

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

see attachment

05. Types of samples required, e.g. Geological / Water / Plankton / Fish / Radio-activity / Isotope

water, hydroacoustic data, plankton, nekton

and methods by which samples will be obtained (including dredging / coring / drilling).

pumping, hydroacoustic measuring, CTD/water bottle sampling, plankton net sampling, video plankton recording

06. Details of moored equipment: ***no moorings***

D a t e s		Description	Latitude	Longitude
Laying	Recovery			

07. Explosives: ***no explosives***
- (a) Type and Trade name
 - (b) Chemical content
 - (c) Dept of Trade class and stowage
 - (d) Size
 - (e) Depth of detonation
 - (f) Frequency of detonation
 - (g) Position in latitude and longitude
 - (h) Dates of detonation
08. Detail and reference of
- (a) Any relevant previous / future cruises
Meteor cruise M87/1 March/April 2012
 - (b) Any previous published research data relating to the proposed cruise.
(Attach separate sheet if necessary.)
09. Names and addresses of scientists of the coastal state in whose waters the proposed cruise takes place with whom previous contact has been made.
10. State:
- (a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable.
n.a.
 - (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, after discussion
 - (c) When research data from intended cruise is likely to be made available to the coastal state and if so by what means.
 - ***Cruise Report*** three months after finishing the research cruise
 - ***Scientific publication*** within the following three years

COASTAL STATE: Iceland

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	Fisheries Research within Fishing Limits	Research concerning Continental Shelf out to Coastal State's Margin	Within	Between	Between	Between
			3 NM	3 - 12 NM	12 - 50 NM	50 - 200 NM

a) vessel mounted systems: hydroacoustic mapping / measuring (incl. ADCP, Parasound and multibeam)	No	Yes	No	No	Yes	Yes
permanent surface water sampling / pumping (incl. Thermosalinograph)	No	No	No	No	Yes	Yes
b) mobile equipment: CTD / water bottle rosette	No	No	No	No	Yes	Yes
towed plankton net systems	No	No	No	No	Yes	Yes
vertical plankton nets	No	No	No	No	Yes	Yes
video plankton recorder	No	No	No	No	Yes	Yes
towed Triaxus platform	No	No	No	No	Yes	Yes

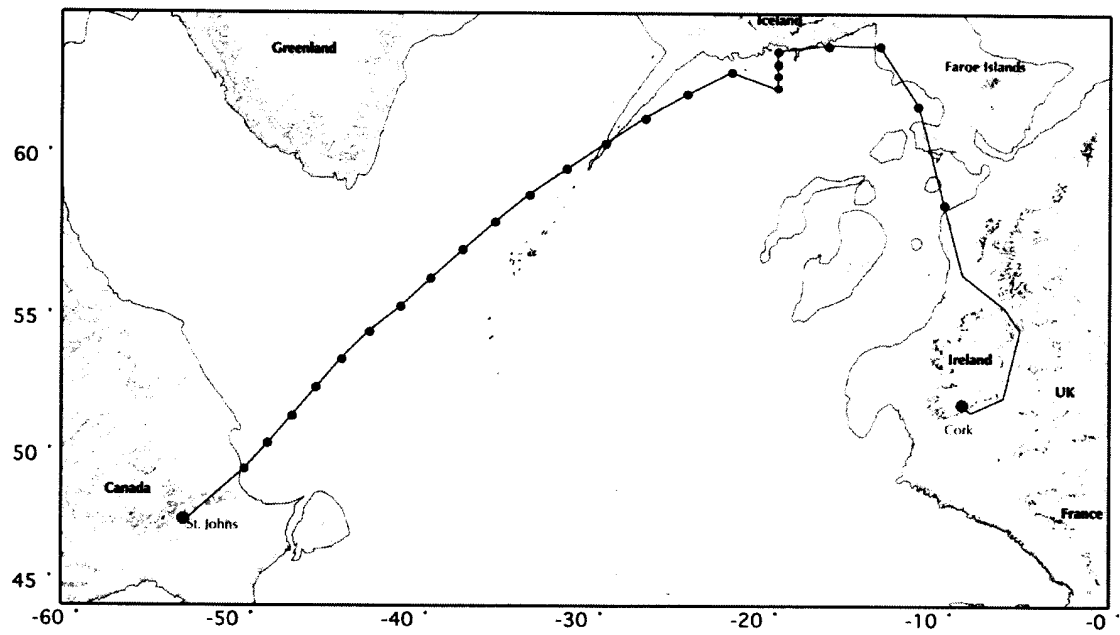


Fig. 1: Map showing principal cruise track and location of stations