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	Page
	FOR COLLATIMG CENTRE USE
CRUISE SUMMARY REPORT	Centre: DOD Ref. No.:
	Is data exchange
SHIP enter the full name and international radio call sign of the ship from which the data were example, research ship; ship of opportunity, naval survey vessel; etc.	re collected, and indicate the type of ship, for
Name: ALKOR	Call Sign: DBND
Type of ship: Research Vessel	
CRUISE NO. / NAME AL528	enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).
CRUISE PERIOD start (set sail) $\frac{18/09/2019}{day/ month/ year}$ to $\frac{30/09/2019}{day/ month/ year}$	end (return to port)
PORT OF DEPARTURE (enter name and country) Kiel	
PORT OF RETURN (enter name and country) Kiel	
RESPONSIBLE LABORATORY enter name and address of the laboratory response the cruise	sible for coodinating the scientific planning of
Name: GEOMAR Helmholtz-Zentrum für Ozeanforschung Ki	iel
Address: Wischhofstraße 1-3, 24148 Kiel	
Country: Germany	
CHIEF SCIENTIST(S) enter name and laboratory of the person(s) in charge of the sci	ientific work (chief of mission) during the cruise.
Dr. Jörg Süling, GEOMAR Helmholtz Centre for Ocean Rea Weg 20, 24105 Kiel, Germany	search Kiel, Düsternbrooker
OBJECTIVES AND BRIEF NARRATIVE OF CRUISE enter sufficient informat as to provide the contex	ion about the purpose and nature of the cruise so tt in which the report data were collected.
The overall objective of this practical for students is to investigate the in the Baltic Sea food webs and alongside the salinity gradient. To der spatial variation of pelagic communities such as bacteria-, phyto and food webs, different food web tracers will be used. Main focus here is quantitative sample sets of gelatinous zooplankton to investigate thei processes. Over the last several decades, a significant increase of both frequency were reported worldwide. Blooms of these organisms can extend for t drastic consequences and economic losses. When JF outbreak, they community by direct feeding on fish larvae, fish eggs or competing fo serve as organic matter source for benthic systems via sinking to the on the potential role of gelatinous zooplankton from only few location limited understanding on the role of JF in the bentho-pelagic food wel qualitative assessment of gelatinous zooplankton in the BS systems a salinity gradient of the Baltic Sea , are now urgently needed to better a zooplankton in the future of the system. Applicant and working group research/educational cruise with the specific focus on jellyfish ecolog since 2013. During this two-week cruise students will perform the compulsory "Pr survey and characterize the temporal and special distribution of bacter macroplankton specially jellyfish in Skagerrak and Baltic Sea.	e ecological role of gelatinous plankton monstrate the temporal as well as zooplankton as well as in the benthic therefore to obtain qualitative and r distinct role on bentho-pelagic y and severity of jellyfish (JF) blooms thousands of square kilometers, with will not only affect the pelagic r the prey with bigger fishes, but only sea floor. Due to the scarcity of data s in the Baltic Sea, there is only a b of the Baltic Sea. A quantitative and and their functioning with regard to account for the role of gelatinous have performed this student ly every year and on a regular basis ractical at Sea". The general goal is to erial, phyto-, zooplankton and

PROJECT (IF APPLICABLE) if the cruise is designated as part of a larger scale cooperative project (or expedition), then enter the name of the project, and of organisation responsible for co-ordinating the project.

Project name: BiOc-Praktikum-2019

Coordinating body: GEOMAR

PRINCIPAL INVESTIGATORS: Enter the name and address of the Principal Investigators responsible for the data collected on the cruise and who may be contacted for further information about the data. (The letter assigned below against each Principal Investigator is used on pages 2 and 3, under the column heading 'Pl', to identify the data sets for which he/she is responsible)

A. Dr. Jörg Süling, GEOMAR Helmholtz Centre for Ocean Research Kiel, Düsternbrooker Weg 20,

24105 Kiel, Germany

- B. Dr. Jamileh Javidpour, University of Southern Denmark, Campusvej 55, DK-5230 Odense M
- C. M. Sc. Ina Stoltenberg, University of Southern Denmark, Campusvej 55, DK-5230 Odense M
- D. M. Sc. Fabian Wolf, GEOMAR Helmholtz Centre for Ocean Research Kiel, Düsternbrooker Weg

20, 24105 Kiel, Germany

E. M. Sc. Christian Furbo Christiansen, University of Southern Denmark, Campusvej 55, DK-5230

Odense M

F.

MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS

This section should be used for reporting moorings, bottom mounted gear and drifting systems (both surface and deep) deployed and/or recovered during the cruise. Separate entries should be made for each location (only deployment positions need be given for drifting systems). This section may also be used to report data collected at fixed locations which are returned to routinely in order to construct 'long time series'.

		APP	ROXIMA	TE POSIT	ΓΙΟΝ		DATA	DESCRIPTION
Ы			-				TYPE	Identify, as appropriate, the nature of the instrumentation the parameters (to be)
See	L		Ī				enter	recovered, dates of deployments and/or recovery, and any identifiers given to the site.
top of	deg	min	N/S	deg	min	E/W	code(s)	
page.							from list on	
							page.	

				Please continue on separate sheet if necessary

SUMMARY OF MEASUREMENTS AND SAMPLES TAKEN

Except for the data already described on page 2 under 'Moorings, Bottom Mounted Gear and Drifting Systems', this section should include a summary of all data collected on the cruise, whether they be measurements (e.g. temperature, salinity values) or samples (e.g. cores, net hauls).

Separate entries should be made for each distinct and coherent set of measurements or samples. Different modes of data collection (e.g. vertical profiles as opposed to underway measurements) should be clearly distinguished, as should measurements/sampling techniques that imply distinctly different accuracy's or spatial/temporal resolutions. Thus, for example, separate entries would be created for i) BT drops, ii) water bottle stations, iii) CTD casts, iv) towed CTD, v) towed undulating CTD profiler, vi) surface water intake measurements, etc.

Each data set entry should start on a new line - it's description may extend over several lines if necessary.

NO, UNITS : for each data set, enter the estimated amount of data collected expressed in terms of the number of 'stations'; miles' of track; 'days' of recording; 'cores' taken; net 'hauls'; balloon 'ascents'; or whatever unit is most appropriate to the data. The amount should be entered under 'NO' and the counting unit should be identified in plain text under 'UNITS'.

D				DESCRIPTION
Ы	NO	UNITS	DATATYPE	Identify, as appropriate, the nature of the data and of the instrumentation/sampling gear and list the parameters measured include any supplementary information that may be appropriate, e.g. vertical or horizontal profiles, depth
see page	see above	see above	Enter code(s) from list on	horizons, continuous recording or discrete samples, etc. For samples taken for later analysis on shore, an indication
2			cover page	should be given of the type of analysis planned, i.e. the purpose for which the samples were taken.
BCDE	27	stations	G02	sediment samples by Van Veen grab for biological and biogeochemical analyses
BCDE	2	stations	G01	Dredge
BCDE	107	stations	H90	Chemical oceanographic measurements
BCDE	107	stations	B72	Biochemical measurements (e.g. lipids, aminoacids)
BCDE	107	stations	B59	Taxonomy systematics classification
BCDE	55	stations	H10	CTD casts
BCDE	17	stations	H09	Water bottle stations
BCDE	107	stations	B09	Zooplankton
E	107	stations	B16	Benthic bacteria / micro-organisms
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Page 3

		Please continue on separate sheet if necessary

TRACK CHART: You are strongly encouraged to submit, with the completed	Insert a t
report, an annotated track chart illustrating the route followed and	this box
the points where measurements were taken.	chart is s

nsert a tick(╯) in his box if a track hart is supplied Page 4

GENERAL OCEAN AREA(S): Enter the names of the oceans and/or seas in which data were collected during the cruise – please use commonly recognised names (see, for example, International Hydrographic Bureau Special Publication No. 23, 'Limits of Oceans and Seas').

Baltic Sea

SPECIFIC AREAS: If the cruise activities were concentrated in a specific area(s) of an ocean or sea, then enter a description of the area(s). Such descriptions may include references to local geographic areas, to sea floor features, or to geographic coordinates. **Please insert here the number of each square in which data were collected from the below given chart**

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