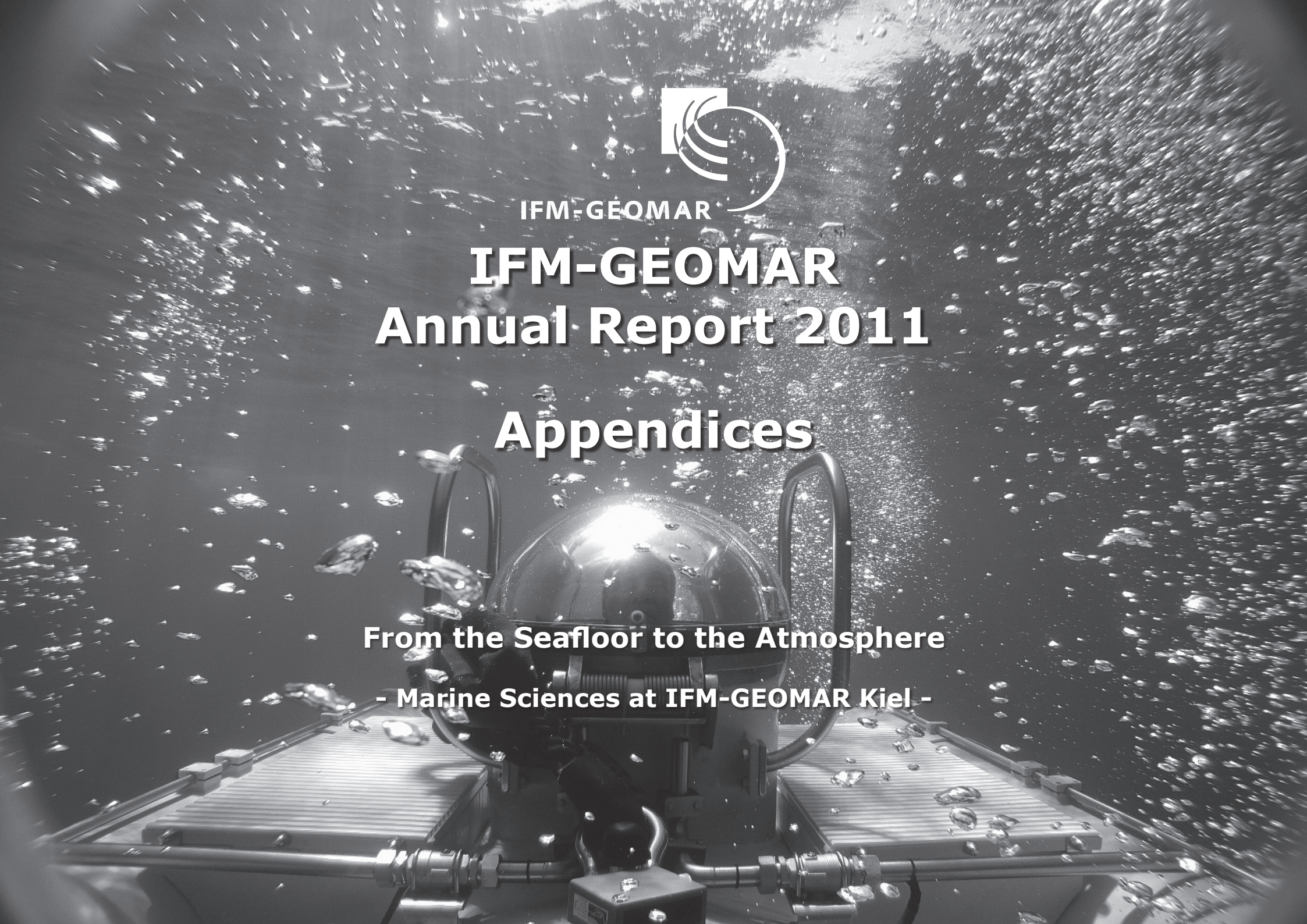

IFM-GEOMAR

IFM-GEOMAR Annual Report 2011

Appendices

From the Seafloor to the Atmosphere

- Marine Sciences at IFM-GEOMAR Kiel -

IFM-GEOMAR Annual Report 2011 - Appendices

Editor: Andreas Villwock

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Cover: JAGO submersible in the Mediterranean Sea (JAGO Team, IFM-GEOMAR).
Table of Contents: Recovering of ROV Kiel 6000 (R. Schwarz, IFM-GEOMAR).

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1. Management & Organization

1.1 IFM-GEOMAR Overview

The Leibniz Institute of Marine Sciences at the Kiel University (IFM-GEOMAR) was founded January 1, 2004 through a merger of the former Institute for Marine Research (IfM) and the GEOMAR Research Centre for Marine Geosciences.

The mission of IFM-GEOMAR is **to investigate the physical, chemical, biological, and geological processes in the ocean and their interaction with the seafloor and the atmosphere.**

IFM-GEOMAR has identified four overarching research themes:

- Role of the Ocean in Climate Change
- Human Impact on Marine Ecosystems
- Living and Non-Living Marine Resources
- Plate Tectonic Processes and Geological Hazards.

The research topics are grouped in four areas: Ocean Circulation and Climate Dynamics, Marine Biogeochemistry, Marine Ecology, and Dynamics of the Ocean Floor. In addition, there are two major interdisciplinary Collaborative Research Centres (SFBs) funded by the German Science Foundation (DFG).

The institute is an independent foundation under public law, supervised by a "Board of Governors" which consists of representatives of State and Federal Governments, the Kiel University, a representative from another research institution, a representative from private industry and the chairman of the institute's Scientific Advisory Board (SAB). The SAB of IFM-GEOMAR is an internationally constituted advisory group with leading scientists representing all major research disciplines found at the institute. An overview of the organizational structure of the institute is shown in Figure 1 (page 4). By the end of 2011, IFM-GEOMAR had about 764 employees, including 383 scientists and 381 service and technical staff (incl. student assistance). About 306 scientists and 242 service and technical staff were funded through research grants.

The Leibniz Institute of Marine Sciences is associated with the Kiel University through a cooperation agreement and contributes substantially to undergraduate and graduate teaching in the following fields: Bachelor in "Physics of the Earth System: Oceanography - Meteorology - Geophysics", Master in "Climate Physics: Meteorology and Physical Oceanography", Master in "Biological Oceanography", and contributions to other courses in Geosciences at Kiel University.

The involvement of master, diploma and Ph.D. students in research projects is an important element of IFM-GEOMAR research. The total number of students at IFM-GEOMAR is currently about 300. Through training of students and young scientists from foreign countries, the institute has contributed significantly to the development of infrastructures for marine science in many regions of the world. Several international study programmes have been implemented in recent years.

Much of the institute's research work contributes to international research efforts such as the World Climate Research Programme (WCRP), the International Geosphere-Biosphere Programme (IGBP) or the Integrated Ocean Drilling Programme (IODP). Emphasis is on a better understanding of the ocean's past and present role for climate variations and air-sea interactions, the role of biogeochemical transport and transformations in global change, the response and sensitivity of marine ecosystems to external forcing, gas hydrate research and risk assessment of natural hazards due to plate tectonics.

IFM-GEOMAR scientists have a long tradition of participating in national and international planning and management of large-scale inter-disciplinary research programs. This includes programmes such as CLIVAR (Climate Variability and Predictability), BALTEX (Baltic Sea Experiment), SOLAS (Surface Ocean Lower Atmosphere), GLOBEC (Global Ocean Ecosystems Dynamics), IODP, Interridge, and others.

The scientific work of IFM-GEOMAR could not have been maintained without funding of peer-reviewed proposals through the Ger-

man Science Foundation (DFG), the Federal Ministry of Education and Research (BMBF), the directorates of the European Union (EU) as well as other funding agencies. We would like to express our gratitude to all of those who have supported our research during the past years.

Highlights in this context are the two Collaborative Research Centres (Sonderforschungsbereiche) in which IFM-GEOMAR plays a leading role. Since 2008, DFG is funding SFB 754 on "Biogeochemistry Interactions in the Tropical Ocean". SFB 574 on "Fluids and Volatiles in Subduction Zones" that started in 2000, was implemented within the groups of the former GEOMAR and investigates the "subduction factory" and its role for climate feedbacks and natural disasters.

In 2006, IFM-GEOMAR together with six faculties of Kiel University, the Institute for the World Economy and the Muthesius School of Arts received 36 Mio. Euros funding for the Excellence Cluster "Future Ocean". Within IFM-GEOMAR four new junior research groups of the cluster were etablished that contribute substantially to a number of projects of the cluster.

The results of the institute's research work are generally made available through a wide range of publications. The main emphasis is on peer-reviewed international journals. Increasingly, dissemination of information in electronic form through the internet portal of IFM-GEOMAR (www.ifm-geomar.de) is used.

In particular in the field of technology development, IFM-GEOMAR cooperates with a number of small and medium-sized enterprises that are active in marine technology and science and are partly founded by former staff members of the institute.

The Leibniz Institute of Marine Sciences is a member of the Leibniz Association (Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz (WGL)), the Konsortium Deutsche Meeresforschung (KDM), the European Marine Board of the European Science Foundation and the Partnership for Observation of the Global Oceans (POGO).

1.2 Organizational Structure (31.12.2011)

See also diagram on page 4

1. Directorate

The Directorate of IFM-GEOMAR consists of the Director (chair) and the leaders of the Research Divisions. Current members of the Directorate are:

- **Prof. Dr. P.M. Herzig (Director)**
- Prof. Dr. M. Latif (RD1)
- Prof. Dr. A. Eisenhauer (RD2)
- Prof. Dr. U. Sommer (RD3)
- Prof. Dr. K. Hoernle (RD4)

Guests:

- Prof. Dr. M. Visbeck, Deputy Director & Chair Excellence Cluster "The Future Ocean"
- Prof. Dr. C. Devey, Deputy Director
- Prof. Dr. K. Hoernle, Chair SFB 574
- Prof. Dr. D. Wallace, Chair SFB 754
- Prof. Dr. M. Frank, Chair, Scientific Council
- Mrs. U. Frank-Scholz, Head of Administration
- Dr. N. Schmidt, Central Affairs
- Dr. A. Villwock, Public Relations

2. Board of Governors

- **Dr. C. Andreßen, Secretary of State, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein, Kiel (Chair)**
- RD. K. Wollin, Federal Ministry for Education and Research, Bonn
- Prof. Dr. G. Fouquet, President, Kiel University
- Prof. Dr. L. Kipp, Dean of the Faculty for Mathematics and Natural Sciences, Kiel University

- Prof. Dr. J. Marotzke, Chair, Scientific Advisory Board
- Prof. Dr. K. Lochte, Director, Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven
- Dr. P. Murmann, Zöllner Signal GmbH, Kiel

Guests with consulting status:

- Dr. I. Hennings, Representative of the Scientific Staff (staff council)
- Mrs. B. Domeyer, Representative of the Non-scientific Staff (staff council)
- Mrs. B. Schmidt, Representative for Equal Rights
- Dr. W.D. Glanz, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein
- Mr. M. Wagner, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein
- Mrs. K. Pieper, Ministry of Science, Economic Affairs and Transport of the State of Schleswig-Holstein
- Prof. Dr. P.M. Herzig, Director of IFM-GEOMAR
- Prof. Dr. M. Visbeck, Deputy Director of IFM-GEOMAR
- Prof. Dr. C. Devey, Deputy Director of IFM-GEOMAR
- Prof. Dr. M. Frank, Chair, Scientific Council

Other guests:

- Dr. J. Biel, Managing Director, Chamber of Commerce, Kiel
- Mrs. U. Frank-Scholz, Head of Administration, IFM-GEOMAR
- Dr. N. Schmidt, Central Affairs, IFM-GEOMAR
- Mrs. I. Schultheiß, Legal Affairs
- Dr. A. Villwock, Public Relations, IFM-GEOMAR

3. Scientific Advisory Board

- **Prof. Dr. J. Marotzke, Max-Planck-Institute for Meteorology, Hamburg (Chair)**
- Prof. Dr. D.L.T. Anderson, European Centre for Medium-Range Weather Forecasts, Berkshire, UK
- Prof. Dr. E.A. Boyle, Department of Geology and Geophysics, Massachusetts Institute of Technology, Cambridge, USA
- Prof. Dr. E. Hill, National Oceanography Centre, Southampton, UK
- Prof. Dr. S. Humphris, Woods Hole Oceanogpraphic Institution, USA
- Prof. Dr. Jack Middelburg, Utrecht University, Utrecht, The Netherlands
- Prof. Dr. Tim A. Minshull, National Oceanography Centre, Southampton, UK
- Prof. Dr. A.C. Mix, College of Oceanic & Atmospheric Sciences, Oregon State University, Corvallis, USA
- Prof. Dr. Jeanine Olsen, University of Groningen, Groningen, The Netherlands
- Prof. Dr. Y. Olsen, Norwegian University of Sciences and Technology, Institute of Biology, Trondheim, Norway
- Prof. Dr. J.A. Pearce, Department of Earth Science, Marine Geology and Geochemistry, Cardiff University, UK
- Prof. Dr. D. Turner, Chalmers University of Technology, Gothenburg, Sweden

4. Scientific Council

Members (Member / Deputy Member):
Prof. Dr. M. Frank (Chair) /
Prof. Dr. M. Wahl (Deputy Chair)

a. Professors:

- M. Frank / W.-C. Dullo
- M. Latif / N.N.
- M. Visbeck / P. Brandt
- C. Böning / R. Greatbatch
- A. Eisenhauer / K. Wallmann
- A. Körtzinger / D. Wallace
- U. Riebesell / A. Engel
- A. Oschlies / D. Wallace
- J. Imhoff / T. Reusch
- M. Wahl / U. Sommer
- K. Hoernle / C. Devey
- J. Behrmann / C. Berndt

b. Assistant Professors and Scientists with "Habilitation":

- FB1: K. Krüger / T. Kanzow
- FB2: J. LaRoche / H. Bange
- FB3: U. Piatkowski / N.N.
- FB4: E. Flüh / A. Freundt

c. Scientific staff:

- FB1: J. Karstensen / T. Martin
- FB2: K. v. Bröckel / P. Linke
- FB3: B. Matthiessen / J. Süling
- FB4: P. van den Bogaard / W. Weinrebe

Appendices

Leibniz Gemeinschaft

Leibniz Institute of Marine Sciences (IFM-GEOMAR)

IFM-GEOMAR

Scientific Advisory Board
Chair: Prof. Dr. Jochem Marotzke

Directorate
Prof. Dr. Peter M. Herzig (Director) (Ext.: 2800)
Deputy Dir.: Prof. Dr. Colin W. Devey (Ext.: 2257), Prof. Dr. Martin Visbeck (Ext.: 4100)
Head of Administration: Ursula Frank-Scholz (Ext.: 2500)
+ Chairs of Research Divisions

Board of Govenors
Chair: Secretary of State Dr. Cordelia Andreßen, Ministry of Science Economy and Transportation of the State of Schleswig-Holstein

Internal Scientific Council
Prof. Dr. Martin Frank (Ext.: 2218)

Savety Adviser
Dietmar Schmitz (Ext.: 2750)

Data Protection Official
Gerhard Schiweck (Ext.: 2526)

Directorate

Central Affairs
Dr. Nicole Schmidt (Ext.: 2803)

Legal Affairs / Knowledge & Technoloy Transfer
Ina Schultheiß (Ext.: 2806)

Public relations
Dr. Andreas Villwock (Ext.: 2802)

Ombudsperson
Prof. Dr. Wolf-Christian Dullo (Ext.: 2215)

Staff Council
Peter Wehrhahn (Ext.: 2816)

Equal Rights Representative
Barbara Schmidt (Ext.: 1559)

Representative of Persons with Disabilities
Mario L. Müller (Ext.: 2280)

Research Divisions, Large-scale Research Projects, Administration and Central Facilities

Ocean Circulation and Climate Dynamics
Prof. Dr. Mojib Latif (Ext.: 4050)

Palaeo-Oceanography
Palaeo-Oceanography
Prof. Dr. W.-Chr. Dullo (Ext.: 2215)
Chemical Palaeo-Oceanography
Prof. Dr. M. Frank (Ext.: 2218)
Palaeo-Oceanography
Prof. Dr. Dirk Nürnberg (Ext.: 2313)

Physical Oceanography
Large-scale Circulation
Prof. Dr. M. Visbeck (Ext.: 4100)
Experimental Oceanography
Prof. Dr. P. Brandt (Ext.: 4105)
Physical Oceanography
Prof. Dr. T. Kanzow (Ext.: 4150)

Theory and Modelling
Ocean Modelling
Prof. Dr. C. Böning (Ext.: 4003)
Theoretical Oceanography
Prof. Dr. R. Greatbatch Ext.: 4000)

Maritime Meteorology
Climate Modelling
Prof. Dr. M. Latif (Ext.: 4050)
Energy and Water Cycle
N.N. (Ext.:)
Ocean-Atmosphere Interactions
Prof. Dr. D. Maraun (Ext.: 4057)

Marine Biogeochemistry
Prof. Dr. Anton Eisenhauer (Ext.: 2282)

Marine Geosystems
Marine Geosystems
Prof. Dr. K. Wallmann (Ext.: 2287)
Isotope-Geochemistry
Prof. Dr. A. Eisenhauer (Ext.: 2282)

Chemical Oceanography
Chemical Oceanography
Prof. Dr. D.W. Wallace (Ext.: 4200)
Marine Carbon Cycle
Prof. Dr. A. Körtzinger (Ext.: 4205)

Biological Oceanography
Microbial Biogeochemistry
Prof. Dr. A. Engel (Ext.: 1510)
Biological Oceanography
Prof. Dr. U. Riebesell (Ext.: 4444)
Molekular Ecology
Prof. Dr. J. La Roche (Ext.: 4212)

Biogeochemical Modelling
Biogeochemical Modelling
Prof. Dr. A. Oschlies (Ext.: 1936)

Marine Ecology
Prof. Dr. Ulrich Sommer (Ext.: 4400)

Experimental Ecology
Food Webs
Prof. Dr. U. Sommer (Ext.: 4400)
Benthos Ecology
Prof. Dr. M. Wahl (Ext.: 4577)

Marine Microbiology
Marine Microbiology
Prof. Dr. J. F. Imhoff (Ext.: 4450)

Evolutionary Ecology of Marine Fishes
Evolutionary Ecology of Marine Fishes
Prof. Dr. T. Reusch (Ext.: 4550)

Dynamics of the Ocean Floor
Prof. Dr. K. Hoernle (Ext.: 2642)

Geodynamics
Marine Geophysics
Prof. Dr. C. Berndt (Ext.: 2273)
Marine Geodynamics
Prof. Dr. J. Behrmann (Ext.: 2272)
Marine Seismology
Prof. Dr. H. Kopp (Ext.: 2334)
Marine Seismics
Prof. Dr. E. Flüh (Ext.: 2328)

Magmatic and Hydrothermal Systems
Volcanism and Hydrothermalism
Prof. Dr. C. W. Devey (Ext.: 2257)
Petrology and Geochemistry
Prof. Dr. K. Hoernle (Ext.: 2642)

Administration
Ursula Frank-Scholz (Ext.: 2500)

Controlling
G. Schiweck (Ext.: 2526)
Finances
U. Frank-Scholz (Ext.: 2500)
Personell
J. Peters (Ext.: 2530)
Facility Management
J. Rath (Ext.: 2528)
Purchase
H. Vogt (Ext.: 1522)

Technical Services
F. Holz (Ext.: 2700)

Central Facilities

Aquarium & Seals Pool
Prof. Dr. T. Reusch (Scient. Head) (Ext.: 4550)
M. Gruber (Techn. Head) (Ext.: 1630)

Library
B. Schmidt (Ext.: 1559)
A. Finke (Ext.: 2505)

Computing Centre
Dr. A. Lehmann (Ext.: 1566)
Dr. W. Weinrebe (Ext.: 2281)

Research Vessels
Dr. K. Lackschewitz (Ext.: 2132)
Dr. K. v. Bröckel (Ext.: 4259)

Technology and Logistics Centre & Sample Repository
Dr. O. Pfannkuche (Scient. Head) (Ext.: 2113)
R. Schwarz (Techn. Head) (Ext.: 1600)

Applied R & D Projects

Energy and Resources
Dr. Warner Brückmann (Ext.: 2819)

CO_2-Sequestration Technologies
Prof. Dr. Klaus Wallmann (Ext.: 2287)

Centre for Marine Substances Research (KiWiZ)
Prof. Dr. Johannes F. Imhoff (Ext.: 4450)

Marine Aquaculture (Nemo)
Dr. Catriona Clemesen-Bockelmann (Ext.: 4558)

Large-scale Research Projects

Exzellence Cluster "Future Ocean"
Prof. Dr. Martin Visbeck (Ext.: 4100)
Groups at IFM-GEOMAR:

Seafloor Warming
Prof. Dr. T. Treude (Ext.: 2837)

Ocean Acidification
Prof. Dr. F. Melzner (Ext.: 4274)

Submarine Hazards at Continental Margins
Prof. Dr. S. Krastel-Gudegast (Ext.: 2841)

Seafloor Resources
Prof. Dr. L. Rüpke (Ext.: 2845)

Collaborative Research Centres
Volatiles and Fluids in Subduction Zones (SFB 574)
Prof. Dr. Kaj Hoernle (Ext.: 2642)
Climate - Biogeochemical Interactions in Tropical Oceans (SFB 754)
Prof. Dr. Andreas Oschlies (Ext.: 1936)

Last update:
November 2011

2. Human Resources

Table 2.1

Employment positions acc. to sources of support and pay/remuneration grade[1)]
- Personnel (financed by institutional and third-party resources) in terms of full-time equivalents as of [reporting date 31.12.2011] -

	Total number [2), 3)]	Number financed by	
		institutional resources [2)]	third-party resources [2)]
Total (incl. student assistants)	**581,7**	**259,5**	**322,1**
1. Academic and higher management staff	**221,4**	**103,0**	**118,4**
- W2 .. W3, C3 .. C4, SDV	22,0	22,0	0,0
- W1, C1 .. C2	3,0	3,0	0,0
- I / A16 / E15Ü	1,0	1,0	0,0
- Ia / A15 / E15	7,0	4,5	2,5
- Ib / A14 / E14	51,0	40,0	11,0
- IIa / III[4)] / A13 / E13..E13Ü	137,4	32,5	104,9
2. Doctoral candidates	**72,2**	**2,0**	**70,2**
3. Other staff	**191,5**	**141,9**	**49,6**
- IV..III/A10..A12/E10..E12	43,4	34,9	8,5
- V / A8 .. A9 / E8 .. E9	97,6	66,1	31,5
- VI / A7 / E7	2,0	2,0	0,0
- VIII..VII / A5..A6 / E5..E6	32,2	23,6	8,5
- Wage brackets, other staff	10,3	9,3	1,0
- Trainees	6,0	6,0	0,0
4. Student assistance	**96,5**	**12,6**	**84,0**

[1)] Employment positions acc. to Bundesangestellten-Tarifvertrag (National Agreement for Public Sector White-Collar Workers) or other collective pay agreements for staff which is financed by institutional or third-party resources (incl. trainees and guest scientists, but excluding diploma students, student assistants und contracts for work and services)
[2)] In full time equivalents; correct to one decimal place only
[3)] Values in column 2 („Total number") for "Total", "1. Academic and management staff", "2. Doctoral candidates" und "3. Other staff" correspond to the respective values in Table 4.2
[4)] Employment acc. to BAT III until Diplom degree was conferred

Table 2.2

Employment positions acc. to organizational units

- Personnel (financed by institutional and third-party resources) in terms of full-time equivalents as of [reporting date 31.12.2011] -

Employment positions	Total	Academic and higher management staff [1]	Doctoral candidates[2]	Other staff, trainees	Student assistance
Entire establishment	**581,7**	**221,4**	**72,2**	**191,5**	**96,5**
Research Division 1	**124,8**	54,3	23,3	20,5	26,8
Research Division 2	**138,7**	61,7	21,9	33,6	21,5
Research Division 3	**88,9**	42,5	12,6	18,5	15,3
Research Division 4	**80,6**	38,8	12,8	15,1	14,0
Interdisciplinary Project Groups	**0,5**	0,0	0,0	0,0	0,5
Energy Projects & Director	**41,8**	17,0	1,6	10,8	12,4
Central Facilities (without administration)	**57,9**	7,2	0,0	45,0	5,7
Administration	**48,4**	0,0	0,0	48,0	0,4

[1] Employment positions acc. to BAT IIa / TVL13 and above (except doctoral candidates)

[2] Doctoral candidates if financed by institutional or third-party resources

Table 2.3

Personnel

- In persons (financed by institutional and third-party resources) acc. to pay/remuneration grade as of [reporting date 31.12.2011]

	Total number	Financed by third-party resources		Temporary contracts		Women		Women with temporary contracts	
		Number	%[1)]	Number	%[1)]	Number	%[1)]	Number	%[1),2)]
Total	**764**	**446**	**58 %**	**548**	**72 %**	**355**	**46 %**	**272**	**36 %**
1. Academic and higher management staff	**248**	**130**	**52 %**	**171**	**69 %**	**90**	**36 %**	**80**	**32 %**
- W2 .. W3, C3 .. C4, SDV	22	0	0 %	1	5 %	1	5 %	0	0 %
- W1, C1 .. C2	3	0	0 %	3	100 %	1	33 %	1	33 %
- I / A16 / E15Ü	1	0	0 %	1	100 %	0	0 %	0	0 %
- Ia / A15 / E15	8	2	25 %	2	25 %	3	38 %	1	13 %
- Ib / A14 / E14	54	8	15 %	12	22 %	9	17 %	3	6 %
- IIa / III / A13 / E13 .. E13Ü	160	120	75 %	152	95 %	76	47 %	75	47 %
2. Doctoral candidates	**135**	**131**	**97 %**	**135**	**100 %**	**65**	**48 %**	**65**	**48 %**
3. Other staff	**221**	**50**	**23 %**	**82**	**37 %**	**116**	**52 %**	**43**	**19 %**
- IV..III / A10..A12 / E10..E12	45	9	20 %	11	24 %	10	22 %	5	11 %
- V / A8 .. A9 / E8 .. E9	115	31	27 %	42	37 %	78	68 %	27	23 %
- VI / A7 / E7	3	0	0 %	0	0 %	0	0 %	0	0 %
- VIII .. VII / A5 .. A6 / E5 .. E6	39	9	23 %	17	44 %	22	56 %	8	21 %
- Wage groups, other staff	13	1	8 %	6	46 %	4	31 %	1	8 %
- Trainees	6	0	0 %	6	100 %	2	33 %	2	33 %
4. Student Assistants	**160**	**135**	**84 %**	**160**	**100 %**	**84**	**52 %**	**84**	**52 %**

[1)] Correct to one decimal place only

[2)] Women with temporary contracts / number of women

Table 2.4
Academic and higher management staff, age structure (in persons)

	Total		< 30		30 -39		40 -49		50 -59		> 59	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
Entire establishment	248	90	23	10	96	48	66	22	53	9	10	1
Research Division 1	59	17	3	1	24	10	16	3	15	3	1	0
Research Division 2	72	29	9	4	29	15	19	7	12	3	3	0
Research Division 3	53	27	8	5	20	12	11	7	10	2	4	1
Research Division 4	40	5	2	0	14	5	13	0	9	0	2	0
Interdisciplinary Project Groups	0	0	0	0	0	0	0	0	0	0	0	0
Energy Projects & Director	18	9	1	0	8	5	5	4	4	0	0	0
Central Facilities (without Admin.)	6	3	0	0	1	1	2	1	3	1	0	0
Administration	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.5
Academic and higher management staff, duration of employment (years) (in persons)

	Total		< 5		5 - 9		10 -14		15 -20		> 20	
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women
Entire establishment	248	90	123	57	117	31	4	2	2	0	2	0
Research Division 1	59	17	28	11	27	6	1	0	1	0	2	0
Research Division 2	72	29	42	20	27	7	2	2	1	0	0	0
Research Division 3	53	27	27	17	26	10	0	0	0	0	0	0
Research Division 4	40	5	14	2	25	3	1	0	0	0	0	0
Interdisciplinary Project Groups	0	0	0	0	0	0	0	0	0	0	0	0
Energy Projects & Director	18	9	10	6	8	3	0	0	0	0	0	0
Central Facilities (without Admin.)	6	3	2	1	4	2	0	0	0	0	0	0
Administration	0	0	0	0	0	0	0	0	0	0	0	0

3. Budgets & Projects

3.1 Budget Tables

Table 3.1: Revenues and expenditures (in € 1,000)

	2011	2010	2009	2008	2007	2006
Revenues						
Total	**59.413,9**	**60.851,4**	**59.306,7**	**57.289,8**	**49.610,2**	**46.874,0**
1. Institutional support *	**31.303,2**	**32.907,9**	**32.654,5**	**28.527,9**	**28.198,6**	**30.746,0**
- German "Länder"	15.943,2	15.744,5	16.920,3	15.138,0	15.632,4	14.731,8
- Federal Government	15.360,0	17.163,4	15.734,2	12.849,9	12.566,2	12.314,2
- Other institutional support	0,0	0,0	0,0	540,0	0,0	3.700,0
Proportion of institutional support in overall financial resources (in %)	*52,7%*	*54,1%*	*55,1%*	*49,8%*	*56,8%*	*65,6%*
2. Third-party resources	**28.110,7**	**27.943,5**	**26.652,2**	**28.761,9**	**21.411,6**	**16.128,0**
2.1 Research support	**21.724,4**	**19.341,5**	**19.034,5**	**17.410,0**	**16.821,7**	**13.824,0**
- DFG (German Research Foundation)	4.412,8	5.250,3	7.098,7	4.712,5	6.409,0	2.952,0
- DFG-SFB 574 and 754	4.691,3	1.536,2	3.785,2	2.948,9	1.439,0	3.244,5
- Federal Government	7.714,2	10.335,0	6.380,8	5.877,8	5.539,4	4.599,5
- German "Länder"	376,9	324,8	311,3	418,5	1.499,1	1.307,3
- EU project funding	4.157,7	1.713,9	1.362,4	3.266,4	1.692,8	1.620,5
- Foundations. other research support	371,5	181,3	96,1	185,9	242,4	100,2
- Joint projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
2.2 Services, contracts, licences, publications	**4.439,0**	**7.186,7**	**5.721,8**	**9.441,6**	**3.098,0**	**1.098,4**
- Contracts with private enterprises or public authorities, cooperation with industry	4.436,9	7.184,9	5.719,9	9.440,3	3.098,0	1.098,4
- Patent exploitation, licences	0,0	0,0	0,0	0,0	0,0	0,0
- Publications	0,0	0,0	0,0	0,0	0,0	0,0
- Other services	2,1	1,8	1,9	1,3	0,0	0,0

*) 2009 incl. Konjunkturprogramm

continued on next page.

Table 3.1: Revenues and expenditures (continued)

(in € 1,000)

	2011	2010	2009	2008	2007	2006
2.3 Other third-party resources	**1.947,3**	**1.415,3**	**1.895,9**	**1.910,3**	**1.491,9**	**1.205,6**
- Aquarium	143,3	138,4	147,7	126,1	90,0	71,7
- Charter for submersibles	0,0	0,0	0,0	0,0	0,0	0,0
- Misc, income (interest. etc,)	29,0	27,6	30,8	71,8	47,8	44,1
- Rentals	2,3	0,0	0,0	0,0	0,7	1,1
- Charter for research vessels	1.766,3	1.249,3	1.714,8	1.691,0	1.350,5	1.036,1
- Charter for submersibles	0,0	0,0	0,0	0,0	0,0	51,4
- Sale of vehicles	0,0	0,0	2,6	0,0	0,0	0,0
- Other sales	6,4	0,0	0,0	21,4	2,9	1,2
Proportion of third-party funding in overall financial resources (in %)	*47,3%*	*45,9%*	*44,9%*	*50,2%*	*43,2%*	*34,4%*
3. Withdrawal from reserves and the like	**0,0**	**0,0**	**0,0**	**0,0**	**0,0**	**0,0**
Expenditures	57.724,1	58.428,5	59.114,6	52.739,7	48.096,8	45.148,2
4.1 Personnel	29.783,2	28.386,4	27.663,2	23.201,3	19.903,1	18.291,7
4.2 Materials, supplies, equipment	23.428,3	22.491,4	23.413,5	20.875,4	18.062,9	16.321,3
4.3 Investments (except building investments)	2.656,6	6.296,2	5.302,1	6.522,0	7.757,3	6.322,7
4.4 Building investments	1.198,7	477,0	2.027,9	1.210,9	934,5	968,0
4.5 Special Positions (where applicable)	657,3	777,5	707,9	930,1	0,0	0,0
4.6 Allocations to reserves and the like	0,0	0,0	0,0	0,0	0,0	0,0
4.7 DFG-SFB 574 and 754	0,0	0,0	0,0	0,0	1.439,0	3.244,5
4.8 Joint Projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
4.9 For information only: DFG charges	706,7	671,8	632,3	611,5	600,8	588,2

Table 3.2: Project Funding

(Revenues in € 1,000)

	2011	2010	2009	2008	2007	2006
Total	**28.110,7**	**27.943,5**	**26.652,2**	**28.761,9**	**21.411,6**	**16.128,0**
- DFG (German Research Foundation)	4.412,8	5.250,3	7.098,7	4.712,5	6.409,0	2.952,0
- DFG-SFB 574 and 754	4.691,3	1.536,2	3.785,2	2.948,9	1.439,0	3.244,5
- Federal Government	7.714,2	10.335,0	6.380,8	5.877,8	5.539,4	4.599,5
- German "Länder"	376,9	324,8	311,3	418,5	1.499,1	1.307,3
- EU project funding	4.157,7	1.713,9	1.362,4	3.266,4	1.692,8	1.620,5
- Foundations, other research support	371,5	181,3	96,1	185,9	242,4	100,2
- Joint projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
- Services, contracts, licences, publications	4.439,0	7.186,7	5.721,8	9.441,6	3.098,0	1.098,4
- Other third-party resources	1.947,3	1.415,3	1.895,9	1.910,3	1.491,9	1.205,6
RD 1: Ocean Circulation and Climate Dynamics	**5.056,5**	**5.174,2**	**6.392,1**	**3.855,3**	**3.769,9**	**2.937,7**
- DFG (German Research Foundation)	1.197,2	1.181,9	2.282,0	992,5	1.687,9	621,3
- DFG-SFB 574 and 754	939,8	266,4	1.351,8	85,9	71,5	1.702,6
- Federal Government	2.272,2	2.572,5	2.140,0	1.883,0	1.715,9	353,2
- German "Länder"	0,0	0,0	0,0	0,0	0,0	0,0
- EU project funding	480,1	985,6	486,2	726,7	202,1	72,3
- Foundations, other research support	54,6	2,0	0,0	26,5	7,4	0,0
- Joint projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
- Services, contracts, licences, publications	112,6	165,8	132,1	140,7	85,1	188,3
- Other third-party resources	0,0	0,0	0,0	0,0	0,0	0,0

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Table 3.2: Project Funding (continued)

- classified by organisational unit -

(Revenues in € 1,000)

	2011	2010	2009	2008	2007	2006
RD 2: Marine Biogeochemistry	**9.724,1**	**9.492,4**	**6.261,3**	**6.897,5**	**4.027,3**	**3.270,0**
- DFG (German Research Foundation)	918,6	1.349,1	1.628,8	1.570,5	1.648,1	529,7
- DFG-SFB 574 and 754	2.131,2	680,8	869,4	2.164,7	276,9	380,2
- Federal Government	3.626,8	5.990,4	2.808,8	1.938,0	1.756,1	1.127,9
- German "Länder"	0,0	-0,6	-3,4	96,7	0,0	29,8
- EU project funding	2.071,5	386,6	940,0	1.025,7	244,0	1.038,6
- Foundations, other research support	14,4	12,8	2,4	0,0	0,0	0,6
- Joint projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
- Services, contracts, licences, publications	961,6	1.073,3	15,3	101,9	102,2	163,2
- Other third-party resources	0,0	0,0	0,0	0,0	0,0	0,0
RD 3: Marine Ecology	**4.156,4**	**4.222,5**	**2.885,9**	**4.140,2**	**3.754,7**	**2.628,5**
- DFG (German Research Foundation)	786,3	684,3	479,0	512,2	555,6	217,0
- DFG-SFB 574 and 754	33,7	18,0	60,5	2,5	0,0	0,0
- Federal Government	315,7	296,6	124,3	127,9	403,1	773,1
- German "Länder"	376,9	325,4	296,5	288,5	1.479,0	1.204,0
- EU project funding	1.234,7	201,8	-154,8	1.188,1	836,3	99,5
- Foundations, other research support	252,8	138,7	51,7	153,1	236,6	99,6
- Joint projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
- Services, contracts, licences, publications	1.156,3	2.557,7	2.028,7	1.867,9	244,1	235,3
- Other third-party resources	0,0	0,0	0,0	0,0	0,0	0,0

Table 3.2: Project Funding (continued)

- classified by organisational unit -

(Revenues in € 1,000)

	2011	2010	2009	2008	2007	2006
RD 4: Dynamics of the Ocean Floor	**3.505,4**	**3.630,4**	**4.511,9**	**4.288,1**	**5.501,0**	**5.570,3**
- DFG (German Research Foundation)	803,4	1.446,4	1.884,9	1.373,0	2.306,4	1.385,4
- DFG-SFB 574 and 754	1.229,9	318,4	965,6	593,1	1.090,6	1.161,7
- Federal Government	641,3	1.239,7	1.288,4	1.691,7	1.362,8	2.218,6
- German "Länder"	0,0	0,0	-1,8	33,3	20,1	73,5
- EU project funding	268,1	77,9	91,0	211,4	410,4	410,1
- Foundations, other research support	5,0	0,0	7,3	0,0	-1,6	0,0
- Joint projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
- Services, contracts, licences, publications	557,7	548,0	276,5	385,6	312,3	321,0
- Other third-party resources	0,0	0,0	0,0	0,0	0,0	0,0
Central Facilities	**5.668,3**	**5.424,0**	**6.601,0**	**9.580,8**	**4.358,7**	**1.721,5**
- DFG (German Research Foundation)	707,3	588,6	824,0	264,3	211,0	198,6
- DFG-SFB 574 and 754	356,7	252,6	537,9	102,7	0,0	0,0
- Federal Government	858,2	235,8	19,3	237,2	301,5	126,7
- German "Länder"	0,0	0,0	20,0	0,0	0,0	0,0
- EU project funding	103,3	62,0	0,0	114,5	0,0	0,0
- Foundations, other research support	44,7	27,8	34,7	6,3	0,0	0,0
- Joint projects with Kiel University	0,0	0,0	0,0	0,0	0,0	0,0
- Services, contracts, licences, publications	1.650,8	2.841,9	3.269,2	6.945,5	2.354,3	190,6
- Other third-party resources	1.947,3	1.415,3	1.895,9	1.910,3	1.491,9	1.205,6

3.2 Projects

Research Division 1:Ocean Circulation and Climate Dynamics

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
1	M83/1+2 Koordination	M83/1: Deliberate-tracer survey and hydrography in the northern tropical Atlantic (GUTRE-IV) M 83/2: Biodiversität und biologische Produktion an einem flachen nordostatlantischen Seamount (Ampere Seamount)	DFG	Prof. Visbeck	01.06.2010 - 31.03.2011	4.626,00
2	MSM 18 Koordination	MSM 18 Koordination	DFG	Prof. Brandt	01.01.2011 - 31.12.2011	5.470,00
3	M84/5	Fahrtabschnitt M 84/5: Biogeochemie und Methanhydrate des Schwarzen Meeres; Ozeanographie des Mittelmeeres, Schelfsedimentation und Kaltwasserkorallen	DFG	Dr. Flögel	01.01.2011 - 31.12.2011	29.000,00
4	Golfstrom 446 JAP 113/350/0-1	Wissenschaftliche Zusammenarbeit mit Japan (JSPS) Kooperationsprojekt: Atmospheric response to Gulf Stream and Kuroshio variability: Its role in the climate system	DFG	Dr. Keenlyside	01.08.2010 - 01.10.2011	23.260,00
5	HOSINIL BL 1112/1-1	Rekonstruktion von Klimaschwankungen im nördlichen subtropischen Afrika während des Holozäns auf Zeitskalen von Jahreszeiten bis Jahrtausenden: Zusammenhänge zwischen Niederschlag, Vegetation und Erosionsdynamik anhand von laminierten Sedimenten des Nil-S	DFG	Dr. Blanchet	01.04.2010 - 30.09.2012	194.330,00
6	BL 1112/2-1	Tracing the source of deep water in the Bering Sea on glacial/ interglacial and millenial time scales during the past 4 Ma	DFG	Dr. Blanchet	01.10.2011 - 30.09.2012	23.150,00
7	R`Eddy BO 907/4-1	Effects of eddy variability on the response of the ACC to global warming (R`Eddy)	DFG	Prof. Böning	01.01.2010 - 31.12.2012	243.150,00
8	Datenmanagerin EXC 80 CLUSTER	Datenmanagerin EXC Ocean der Zukunft	DFG	Prof. Visbeck	01.11.2011 - 30.09.2012	60.000,00
9	Boknis Eck Workshop CLUSTER	Boknis Ecik Time Series Station Workshop	DFG	Prof. Visbeck	01.01.2011 - 31.12.2011	2.500,00
10	Datenmanagerin CLUSTER	Datenmanagerin	DFG	Prof. Visbeck	15.10.2008 - 30.10.2011	178.850,00
11	Glider fleet CLUSTER - 2009/1 CP0938	Glider fleet to observe sub-mesoscale physical-biogeochemical coupling in the tropical ocean	DFG	Prof. Kanzow	01.11.2009 - 30.06.2011	100.000,00
12	CLUSTER - Overhead-Sprecher	Cluster Overhead Sprecher	DFG	Prof. Visbeck	01.01.2007 - 31.10.2011	906.750,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
13	DE 1369/1-1	Emmy Noether-Programm: Diapyknische Vermischungsprozesse in den Auftriebsgebieten des tropischen Atlantiks.	DFG	Dr. Dengler	01.08.2008 - 31.07.2011	368.680,00
14	Zirkulation im Klimawandel DO 1038/5-1	Moden der nördlichen atmosphärischen Zirkulation im Rahmen des Klimawandels	DFG	Prof. Dommenget	01.09.2009 - 31.08.2012	111.045,00
15	ISOLDE DU 129/45-3	Isotope Signature of calcareous Organisms from upper and Lower carbonate mound sediments	DFG	Prof. Dullo	01.06.2010 - 31.05.2011	52.370,00
16	OPOKA Water DU 129/46-1	Hydrography der Oberflächen- und Zwischenwssermassen, planktonische und benthische Biota in der karibische See-Klima, Bio-, und Geosphären Vernetzung	DFG	Prof. Dullo	01.09.2011 - 31.08.2014	26.620,00
17	ED 159/3-1	Impact of physically relevant and numerically induced diapycnal mixing and meso-scale dissipation on meridional mass and tracer transports in the Southern Ocean	DFG	Dr. Eden	01.01.2010 - 31.12.2012	20.200,00
18	Late Cretaceous II FR 1198/10-2	The Campanian - Maastrichtian (Late Cretaceous) climate transition: the history of palaeoceanographic changes	DFG	Prof. Frank	01.09.2011 - 31.08.2012	4.340,00
19	Arctic-Atlantic X-Change FR 1198/6-2	Reconstructing water mass exchange and climate variability in the northernmost Atlantíc and Arctic Oceans during the beginning of Quaternary	DFG	Prof. Frank	01.09.2011 - 31.08.2012	56.290,00
20	Late Cretaceous FR 1198/7-1	The Campanian - Maastrichtian (Late Cretaceous) climate transition: the history of palaeoceanographic changes	DFG	Prof. Frank	01.01.2010 - 31.12.2011	8.400,00
21	Evolution of CAS FR 1198/8-1	Reconstruction of the Timing of Water Mass Exchange during Progressive Closure of the Central American Seaway in Pliocene	DFG	Prof. Frank	01.10.2010 - 30.09.2012	174.100,00
22	Water mass mixing FR 1198/9-1	Water mass mixing and silicate utilization in the Atlantic Ocean	DFG	Prof. Frank	01.08.2011 - 31.07.2014	178.000,00
23	GR 3653/2-1	Influence of the ocean surface velocity dependence of the wind stress on the dynamics of the Southern Ocean	DFG	Prof. Greatbatch	01.01.2010 - 31.12.2012	182.800,00
24	PEAT HA 5751/2-1	Erhaltung geochemischer Proxies in Foraminiferen: Karbonatdiagenes aus dem IODP Pacific Equatorial Age Transect (PEAT) natürliches Labor	DFG	Dr. Hathorne	01.10.2010 - 30.09.2013	127.250,00
25	Arctic-Atlantic X-Change HA 5938/1-1	Orbital variability and high latitude circulation and climate change during the Pliocene-Pleistocene	DFG	Prof. Frank	01.09.2009 - 31.05.2012	86.550,00
26	Mid-Atlantic Ridge KA 3204/2-1	Process study of vertical mixing near the floor inside the central valley of the Mid-Atlantic Ridge near 37° N	DFG	Prof. Kanzow	01.11.2010 - 30.10.2013	287.783,00
27	Emmy Noether Programm KE 1471/2-1	Mechanismus and predictability of North Atlantic Decadal Climate variability	DFG	Dr. Keenlyside	01.01.2008 - 31.12.2012	926.950,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
28	Emmy Noether Pr. II KE 1471/2-1	Mechanismen und Vorhersagbarkeit der Nordatlantischen Variabilität auf dekadischen Zeitskalen	DFG	Dr. Keenlyside	01.03.2011 - 28.02.2012	239.450,00
29	PLIONAMOC KH 280/1-1	Mid-Pliocene North Atlantic water mass distribtion and Meridional Overturning Circulation	DFG	Dr. Khelifi	01.07.2010 - 30.06.2011	96.760,00
30	PLIONAMOC KH 280/1-2	PLIONAMOC Pliocene North Africa water mass distribution and Meridional Overturning Circulation, 3.3-3.0 Ma	DFG	Dr. Khelifi	01.07.2011 - 30.06.2012	94.650,00
31	ENSO LA 871/5-2	Wechselwirkung im ENSO Recharge Oscillator Model	DFG	Prof. Latif	07.07.2010 - 30.06.2011	73.600,00
32	ICIS 2 NI 1248/1-2	Interglacial conditions of the Iceland Sea (ICIS)	DFG	Dr. van Nieuwenhove	01.07.2011 - 31.12.2011	38.175,00
33	LOOP 3 NU 60/17-3	Die Variabilität des LOOP-Stromsystems und seine Beziehung zur thermohalinen Zirkulation und zum Mississippi-Ausstrom	DFG	Dr. Nürnberg	01.08.2010 - 31.03.2012	78.505,00
34	ECHO RA 2156/1-1	ECHO-IntermEdiate water mass history at a Cold -water coral Habitat in the North Atlantic. Geochemicals signals from IODP Site 1317	DFG	Dr. Raddatz	01.11.2011 - 31.10.2012	84.350,00
35	Planktonforaminiferen in der K SCH 605/8-1	Geochemische Charakterisierung von Planktonforaminiferen in der Karibik	DFG	Dr. Schönfeld	01.09.2011 - 31.08.2014	191.680,00
36	Benthic foraminifera Scho 605/7-1	Benthic foraminifera under elevated CO2 conditions	DFG	Dr. Schönfeld	01.10.2010 - 30.09.2012	101.932,00
37	HOVAG 2 SP 526/4-2	Holocene Variability in the Arctic Gateway	DFG	Dr. Spielhagen	01.02.2010 - 31.01.2012	108.000,00
38	PHEWEX WE 2686/5-1	Centennial-scale variability of past heat and water mass exchange across the eastern equatorial Atlantic Basin	DFG	Prof. Frank	01.09.2010 - 31.08.2013	13.300,00
39	PHEWEX WE 2686/5-2	Centennial-scale variability of past heat and water mass exchange across the eastern equatorial Atlantic Basin	DFG	Prof. Frank	01.01.2009 - 31.12.2011	160.450,00
40	Joint Outreach Programm	Volatile Fluide in Subduktionszonen: Klima-Rückkopplungen und Auslösemechanismen von Naturkatastrophen. Teilprojekt ÖA "A Joint Outreach Program of SFB 754 & 574	DFG-SFB574	Dr. Dengg	01.01.2009 - 30.06.2012	324.600,00
41	TP C05	TP C05. Modellierung von Klimaeffekten/Rückkopplungen und Subduktionsprozessen	DFG-SFB574	Prof. Krüger	01.07.2008 - 30.06.2012	296.030,00
42	TP A01	TP A01 - Antwort des gekoppelten Systems Klima-Biogeochemie in den Tropen auf globaler Erwärmung	DFG-SFB754	Prof. Latif	01.01.2008 - 31.12.2011	152.000,00
43	TP A02	TP A02: Hochaufgelöste Modellierung der physikalisch-biogeochemischen Interaktionen im tropischen Ozean	DFG-SFB754	Prof. Böning	01.01.2008 - 31.12.2011	310.000,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
44	TP A03	TP A03: Diapyknische ind Isophyknische Vermischung an der Südflanke des Guinea Auftriebsgebietes: Ein Tracer Release Experiment	DFG-SFB754	Prof. Visbeck	01.01.2008 - 31.12.2011	193.200,00
45	TP A04	TP A04: Trends und Variabilität von Sauerstoffinventar und -versorgung in Sauerstoffminimumzonen	DFG-SFB754	Prof. Brandt	01.01.2008 - 31.12.2011	311.500,00
46	TP A05	TP A05: Bedeutung der Wassermassenstruktur im östlichen tropischen Pazifik für Sauerstoffvariabilität und geochemische Zusammensetzung	DFG-SFB754	Dr. Stramma	01.01.2008 - 31.12.2011	284.900,00
47	TP A05	TP A05: Bedeutung der Wassermassenstruktur im östlichen tropischen Pazifik für Sauerstoffvariabilität und geochemische Zusammensetzung	DFG-SFB754	Prof. Frank	01.01.2008 - 31.12.2011	284.900,00
48	TP A06	TP A06: Klimawandel und Sauerstoffminimum-Bedingungen auf 100-1000 Jahre Zeitskalen	DFG-SFB754	Prof. Dullo	01.01.2008 - 31.12.2011	200.300,00
49	TP B07	TP B07: Biogeochemische und mikropläontologische Rekonstruktion des Sauerstoffgehalts und der Redoxbedingungen der Vergangenheit in Küstenauftriebsgebieten	DFG-SFB754	Prof. Frank	01.01.2008 - 31.12.2011	334.600,00
50	TP Z02	TP Z02: Expeditionskosten für die SFB Schiffsreisen	DFG-SFB754	Dr. Stramma	01.01.2008 - 31.12.2011	438.300,00
51	BALTIC WAY	ERANET-BOUNS: Verbundprojekt BONUS-174: BALTICWAY - Die Bedeutung von Strömungen für das Umweltmanagement für die maritime Industrie im Ostseegebiet; Vorhaben: TP1	BMBF	Dr. Lehmann	01.01.2009 - 31.12.2011	127.894,00
52	TORUS 01LP1111B	Verbundprojekt: TORUS -Towards Regionally focused modelling of decadal climate predictions. Hydrographic data of the Arctic key region for initialization and validatin of decadal prediction systems	BMBF	Dr. Dmitrenko	01.11.2011 - 31.10.2015	147.087,00
53	OCEANOBS 01LP1114A	MiKlip: Verifizierung von Ensemblen und Initialisierungsfeldern für Dekadische Klimavorhersagen über Ozean Beobachtungs Systeme (OCEANOBS), Modul E	BMBF	Prof. Visbeck	01.11.2011 - 31.08.2015	345.302,00
54	ALARM 01LP1130B	Verbundprojekt: Berücksichtigung großer Vulkanausbrüche bei mittelfristigen Klimaprognosen (ALARM, Alert for LARge volcanic eruptions in Medium term climate prediction) TP2 (Modul B)	BMBF	Prof. Krüger	01.11.2011 - 31.10.2015	156.033,00
55	MODINI 01LP1134B	Model initialization by partially couple spin-up Verbundprojekt:Modellinitialisierung mit teilweise gekoppelten Spin-up (Modini)	BMBF	Prof. Greatbatch	01.09.2011 - 31.08.2015	186.343,00
56	ATMOS 01LP152A	Computersimulationen zum atlantischen Atmosphäre/ozean-System (ATMOS: Atlantic Model Studies (Modul B)	BMBF	Prof. Greatbatch	01.09.2011 - 31.08.2015	214.573,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
57	CIESM 03CIE004	CIESM: Internationale Kommission für die wissenschaftliche Erforschung des Mittelmeeres. Deutscher Beitrag	BMBF	Prof. Dullo	01.01.2010 - 31.12.2012	187.500,00
58	Nordatlantik, AP 1.1 03F0605B	Verbundprojekt: Nordatlantik - Teil des Erdsystems; Vorhaben: Klimaschwankungen und ihre Auswirkungen auf die thermohline Zirkulation im Nordatlantik	BMBF	Prof. Latif	01.10.2009 - 30.09.2012	253.058,00
59	Nordatlantik, AP 1.2 03F0605B	Verbundprojekt: Nordatlantik - s.o.	BMBF	Prof. Brandt	01.10.2009 - 30.09.2012	528.147,00
60	Nordatlantik, AP 2.2 03F0605B	Verbundprojekt: Nordatlantik - s.o.	BMBF	Prof. Visbeck	01.10.2009 - 30.09.2012	255.775,00
61	Nordatlantik, AP 3.2 03F0605B	Verbundprojekt: Nordatlantik - s.o.	BMBF	Prof. Böning	01.10.2009 - 30.09.2012	202.648,00
62	SOPRAN II 03F0611A TP 2	SOPRAN II TP 2: The contribution of physical processes to the emissions of trace gases in upwelling areas of the equatorial Atlantic Ocean: A N2O case study	BMBF	Prof. Brandt	01.02.2010 - 31.01.2013	136.414,25
63	SOPRAN II 03F0611A TP 4	SOPRAN II TP4: Die Reaktion von kleinen und meso-skaligen Prozeseen in der oberen Ozeanschicht auf atmosphärischen Antrieb	BMBF	Dr. Eden	01.02.2010 - 31.01.2013	102.546,00
64	SO 205 Mangan 03G0205	SO 205: Erstellung von Zeitreihen an Manganknollen mittels radiogener (Sr, NS usw.) und nicht-traditionellen Isotopensystemen (d88/86Sr,d98/100Mo)	BMBF	Prof. Frank	01.02.2010 - 31.01.2013	65.625,00
65	SO 213 - SOPATRA 03G0213B	SO 213 - SOPATRA & FOUNDATIN IV. Verbundprojekt SOPATRA: Rekonstruktion der pleistozänen atmosphärisch-ozeanischen Zirkulation im Südpazifik; Vorhaben:Paläotemperaturen und -salinitätetn in der ozeanischen Deckschicht, Rekonstruktion derTiefenwasserzirkulation	BMBF	Dr. Nürnberg	01.11.2010 - 31.12.2012	288.693,00
66	KALMAR II 03G0672A TP1	KALMAR II Leitantrag - Kurile Kamchatka an Aleuten Marginal Sea Island Arc Systems: Geodynamic and Climate Interaction in Space and Time	BMBF	Prof. Dullo	01.01.2009 - 31.12.2011	390.688,00
67	KALMAR II 03G0672A TP4	KALMAR II TP 4 - Kurile Kamchatka an Aleuten Marginal Sea Island Arc Systems: Geodynamic and Climate Interaction in Space and Time	BMBF	Dr. Nürnberg	01.01.2009 - 31.12.2011	208.285,00
68	Polynja II 03G0759A	System-Laptev See: Eurasische Schelfmeere im Umbruch - Ozeanische Fronten und Polynjasysteme in der Laptev-See - Teilprojekt 1: Jahreszeitliche Abläufe und Koorindation, Verbundvorhabent "Russisch-deutsche Zusammenarbeit" Anschlusszuwendung	BMBF	Dr. Kassens	01.04.2010 - 31.03.2012	1.823.267,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
69	MSM 19/1-SPACES 03G0822A	WTZ Südliches Afrika: Ausbildungsfahrt mit dem Forschungsschiff MERIAN in Namibia (MSM 19/1) -SPACES	BMBF	Prof. Visbeck	01.06.2011 - 30.12.2011	14.800,00
70	OSL-Stipendienprogramm 03PL040A	OSL: Stipendienprogramm für das Otto-Schmidt-Labor für Polar- und Meeresforschung: Umweltsysteme im Umbruch	BMBF	Dr. Kassens	01.01.2009 - 31.12.2011	637.050,00
71	OSL Investitionen 2011 03PL042A	WTZ RUS Klimaforschung in der Arktis: Otto-Schmidt-Labor für Polar- Gerätebeschaffung 2011	BMBF	Dr. Kassens	01.08.2011 - 31.12.2011	149.705,00
72	Fischereimanagement 3509820300	Ökosystemgerechtes Fischereimanagement in marinen Schutzgebieten	BMBF	Prof. Visbeck	01.09.2009 - 30.11.2011	242.099,00
73	Stipendiaten POMOR 2 50733296	Stipendien für Teilnehmer und Absolventen deutscher Studiengänge im Ausland	BMBF	Dr. Kassens	01.07.2010 - 15.08.2011	79.390,00
74	Koop Australien AUS 10/040	Struktur und Entwicklung von Dipol-Anomalien im Indischen Ozean in hochauflösenden Ozeanmodellen. Internationale Zusammenarbeit in Bildung und Forschung mit Australien	BMBF	Prof. Böning	01.09.2010 - 31.03.2012	5.640,00
75	POMOR II RUS 10/002	POMOR - Deutsch-russischer Masterstudiengang für angewandte Meeres- und Polarwissenschaften	BMBF	Dr. Kassens	01.05.2010 - 31.10.2011	145.910,00
76	Lebende Ausstellung RUS 11/39J	Lebende Ausstellung - Brennpunkte der deutsch--russischen Zusammenarbeit auf dem Gebiet der Meere und Polarforschung	BMBF	Dr. Kassens	01.06.2011 - 31.05.2012	164.177,00
77	Inern. Zus. Südafrika SUA 07/004	Das Agulhas-System als Schlüsselregion der globalen ozeanischen Zirkulation	BMBF	Dr. Biastoch	04.04.2008 - 31.03.2011	12.408,00
78	Intern. Zus. Südafrika SUA 07/004	Das Agulhas-System als Schlüsselregion der globalen ozeanischen Zirkulation	BMBF	Dr. Biastoch	01.03.2011 - 31.12.2011	2.912,00
79	Meeresnaturschutz 3508850700	Klimawandel-bedingte Anforderung an Maßnahmen des Meeresnaturschutzes in Nord- und Ostsee	BfN	Prof. Visbeck	01.01.2011 - 29.02.2012	78.178,85
80	18122008 My Ocean	My Ocean - Development and pre-operational validation of upgraded GMES Marine Core Services and capabilities	EU	Prof. Böning	01.01.2009 - 31.03.2012	195.457,00
81	Thor 212643 TP 1	THOR - Thermohaline Overturning - at Risk	EU	Prof. Latif	01.01.2009 - 31.12.2012	419.189,29
82	Thor 212643 TP 2	THOR - Thermohaline Overturning - at Risk	EU	Prof. Visbeck	01.01.2009 - 31.12.2012	479.226,13
83	Thor 212643 TP 3	THOR - Thermohaline Overturning - at Risk	EU	Dr. Biastoch	01.01.2009 - 31.12.2012	479.984,58
84	SHIVA 226224	Stratospheric Ozone: Halogen Impact in a Varying Atmospere	EU	Prof. Krüger	01.07.2009 - 30.06.2012	261.333,50

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No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
85	238111 - CASE	CASE - The changing Arctic and Sub-arctic Environment: A research and training programme on marine biotec indicators of recent climate changes in the high latitudes of the North Atlantic.	EU	Dr. Spielhagen	01.04.2010 - 31.03.2014	420.279,00
86	266722 SUMO	Supermodeling by combining imperfect models	EU	Dr. Keenlyside	01.10.2010 - 30.09.2013	343.756,00
87	GROOM 284321	Gliders for Research, Ocean Observation and Management	EU	Dr. Karstensen	01.10.2011 - 30.09.2014	427.720,00
88	EuroSITES	European Ocean Observatory Network	EU	Dr. Karstensen	01.04.2008 - 31.03.2011	186.720,00
89	FP7-PEOPLE-2010-IEF LINKWEHTERINGCO2	How does weathering link to atmoshpheric carbon dioxide - evidence from past extreme climate events Fellow: Dr. Philip Arvid Edward Pogge von Strandmann	EU	Prof. Frank	01.10.2011 - 30.09.2013	162.242,40
90	PITN-GA-2009-238512 GATEWAYS	Multi-level assessment of ocean-climate dynamics: a gateway to interdisciplinary training and analysis	EU	Dr. Biastoch	01.01.2010 - 31.12.2013	208.333,68
91	Stipendium Anne Osborne GRO 1136480 STP-2	Forschungskostenzuschuss für Anne Osborne	AvH	Prof. Frank	01.10.2010 - 30.09.2012	73.200,00
92	NaT-Working Botschafter 32.5.8051.0170.0	Durchführung von Vernetzungsaktivitäten als NaT-Working Botschafter	Robert Bosch Stfg.	Dr. Dengg	15.08.2010 - 14.08.2012	38.000,00
93	Frühwarnsysteme	Frühwarnsysteme für globale Klimaveränderungen und ihre historische Dokumentation in natürlichen Klimaarchiven	AdW	Dr. Spielhagen	01.06.2005 - 31.12.2011	152.324,23
94	PLEIADES 85 423	Projections and predictions of Local Precipitation Intensites. Advanced Downscaling using Extrreme value Statistics (PLEIADES)	Sonstige	Prof. Maraun	01.06.2011 - 31.12.2013	170.100,00
95	Aufenthalt F. Ogawy	Initiative: Wissenschaftler helfen japanischen Kollegen Aufenthalt Dr. Fumiaki Ogawa	Sonstige	Dr. Omrani	01.07.2011 - 31.08.2011	3.494,58
96	GLUES Unterauftrag	Global Assessment of Land Use Change on Greenhouse Gas Emissions and Ecosystem Service	Sonstige	Prof. Latif	01.01.2011 - 31.05.2011	23.020,00
97	Rapid Climate Changes in High NRSFP 984388	Rapid Climate Changes in the High Latitudes: Mechanisms and Consequences	Sonstige	Prof. Latif	01.12.2011 - 30.11.2012	7.000,00
						19.997.174,49

[1] Total Budget over the complete funding period

Research Division 2: Marine Biogeochemistry

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
1	Climate Engineering	Vorbereitung eines interdisziplinären nationalen Forschungsprojektes zum Thema Climate Engineering	DFG	Prof. Oschlies	01.11.2011 - 31.10.2012	50.550,00
2	M84/3	Fahrtabschnitt M 84/3: Biogeochemie und Methanhydrate des Schwarzen Meeres; Ozeanographie des Mittelmeeres, Schelfsedimentation und Kaltwasserkorallen	DFG	Dr. Tanhua	01.01.2011 - 31.12.2011	74.920,00
3	M86/5	M86/5: To investigate the extent and geological setting of seefloor hydrothermal systems in the Tyrrenian Sea 23.2.11 - 16.3.12 Palma de Mallorca-Lissabon	DFG	Dr. Hensen	01.10.2011 - 30.09.2012	153.776,00
4	5th intern. SOLAS summerschool BA 1990/13-1	5 th international SOLAS Summerschool 2011 29.08.11-10.09.11	DFG	Dr. Bange	01.07.2011 - 31.12.2011	20.753,00
5	Seafloor Warming CLUSTER	Technische Unterstützung zur Analyse von mikrobiellen Proben während Poseidon Expedition (PO419)	DFG	Prof. Treude	01.11.2011 - 31.12.2011	11.700,00
6	Climate Engineering CLUSTER	Vorbereitung eines interdisziplinären nationalen Forschungsprojektes zum Thema Climate Engineering	DFG	Prof. Oschlies	01.07.2011 - 31.10.2011	11.350,00
7	Seafloor Warming Effect CLUSTER	CLUSTER: A2. Seafloor Warming Effect	DFG	Prof. Treude	01.01.2008 - 30.11.2011	800.000,00
8	High-resolution CLUSTER - 2009/1 CP0910	A novel system for continuous high-resolution measurements of atmoshperic adn dissolved N2O	DFG	Dr. Bange	01.11.2009 - 30.06.2011	100.000,00
9	Nitrogen fixation in sed. CLUSTER - 2009/1 CP0911	The occurence and relevance of nitrogen fixation in sediments of oxygen minimum zones	DFG	Prof. Treude	01.11.2009 - 30.06.2011	73.500,00
10	Seafloor warming on oxygen CLUSTER - 2009/1 CP0915	Novel, non-invasive investigation of seadfloor warming oxygen and heat fluxes from the benthic boundary layer into the water column	DFG	Dr. Linke	01.11.2009 - 30.06.2011	100.000,00
11	Photolysis of carbonyl C CLUSTER - 2009/1 CP0918	Photolysis of Carbonyl Compund in seawater: Primary Products, Quantum Yields and Loss Rates in Natural Sunlight	DFG	Dr. Croot	01.11.2009 - 30.06.2011	13.000,00
12	Zooplankton in trop. Oxy CLUSTER - 2009/1 CP0923	The role zooplankton in tropical oxygen minimum laysers: physiological adaptation and contribution to fluxes of carbon and oxygen	DFG	Dr. Kiko	01.11.2009 - 30.06.2011	100.000,00
13	Jelly Pump CLUSTER - 2009/1 CP0927	Does the "rise of slime" foster an oceanic "jelly carbon pump?"	DFG	Prof. Oschlies	01.11.2009 - 30.06.2011	100.000,00

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No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
14	Magnesium Isotope Fract. CLUSTER - 2009/1 CP0932	Magnesium Isotope Fractionation in Planktic Foraminiferia as a Proxy for Sea Surface ph Variations	DFG	Prof. Eisenhauer	01.11.2009 - 30.06.2011	93.500,00
15	Saharan Dust CR 145/17-1	Mn and Cu specification in the Tropical Atlantic: influence of Saharan dust, phyoplankton exudation and ROS (H2O2 and O2)	DFG	Dr. Croot	01.12.2009 - 30.11.2012	123.950,00
16	ADIOS-BAO CR 145/18-1	Atmospheric dust and Irradiation effects on Ocean Surface processes - Biogeochemistry in the Atlantic Ocean (ADIOS-BAO)	DFG	Dr. Croot	01.03.2010 - 28.02.2011	28.914,00
17	CO2eddy DI 1665/1-1	Einfluss von Parametrisierungen mesoskaliger Wirbel in IPCC-relevanten Oeanmodellen auf die Relation zwischen Windantrieb und dem Kohlenstoffaustausch zwischen Ozeanen und Atmosphäre im Südlichen Ozean	DFG	Prof. Oschlies	01.04.2010 - 31.03.2012	117.800,00
18	QUASAR EI 272/29-1	Die Quantifizierung des marinen Sr-Haushaltes mittels radiogener (87Sr86/Sr) und stabiler(O86/88Sr) Sr-Isotopenverhältnisse	DFG	Prof. Eisenhauer	01.07.2009 - 30.06.2012	103.873,00
19	TRION EI 272/30-1	TRION- Stable isotopes of strontium as a new proxy for continental weathering, pedogenesis processes and seawater temperature	DFG	Prof. Eisenhauer	01.06.2010 - 31.05.2012	836.800,00
20	Kalzitadern EI 272/31-1	Kalzitadern in der Ozeankruste als Archive für die Entwicklung der stabilen Strontium-Isotope der Meere	DFG	Prof. Eisenhauer	01.09.2011 - 31.08.2012	84.700,00
21	Floatbasierte Langzeitbeobacht KO 1717/3-1	Floatbasierte Langzeitbeobachtung der Sauerstoffdynamik in wichtigen kontrastierenden Ozeanregionen und biogeographischen Provinzen	DFG	Prof. Körtzinger	01.06.2011 - 31.05.2014	197.200,00
22	Stickstofffixierung LA 2919/1-1	Stickstofffixierung in globalen marinen biogeochemischen Modellen: Können Trade-Offs in modellierten Phosphoraquisitionsstrategien das marine Stickstofffixierungsparadoxon erklären?	DFG	Dr. Landolfi	01.05.2011 - 30.04.2014	221.550,00
23	MethaneFlux MC 214/1-1	Methane Emissions from Impounded Rivers: A process-based study at the River Saar	DFG	Dr. McGinnis	01.07.2010 - 30.06.2013	36.020,00
24	Warming and trophic state OS 175/5-1	Modelling the impact of global warming on the trophic state of the upper ocean	DFG	Prof. Oschlies	01.03.2010 - 28.02.2013	153.300,00
25	Zooplankton-gemeinschaften PA 1847/2-1	Optimalitätsbasiertes Modell mariner Zooplanktongemeinschaften	DFG	Dr. Pahlow	01.06.2010 - 31.05.2013	141.000,00
26	Kohlenstoffdynamik TA 317/5-1	Kohlenstoff- und transienten Tracern-Dynamik: Eine bi-polare Sichtweise auf Süd-Ozean-Eddies und den sich verändernden Arktischen Ozean	DFG	Dr. Tanhua	01.09.2011 - 31.08.2014	209.250,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
27	Zirkulation des Mittelmeeres TA 3173-1	Chemistry and circulation of the Mediterranean Sea Chemische Parameter und Zirkulation des Mittelmeeres	DFG	Dr. Tanhua	01.11.2011 - 31.10.2012	120.613,00
28	TP B03	TP B03: Benthischer Volatilen-Ausstrom und Umsatz: Mechanismen und Budgets	DFG-SFB574	Dr. Linke	01.07.2008 - 30.06.2012	307.900,00
29	TP B05	TP B05: Diagenetische Prozesse in Forearc Sedimenten und der Volatileintrag in Subduktionszonen Systeme: Akkumulation, Transport und Freisetzung von Volatilen	DFG-SFB574	Dr. Hensen	01.07.2008 - 30.06.2012	344.050,00
30	TP B06	TP B06 - Authigene Karbonate als Langzeitarchiv für Fluidfreisetzung	DFG-SFB574	Prof. Eisenhauer	01.07.2008 - 30.06.2012	125.800,00
31	TP A01	TP A01 - Antwort des gekoppelten Systems Klima-Biogeochemie in den Tropen auf globaler Erwärmung	DFG-SFB754	Prof. Oschlies	01.01.2008 - 31.12.2011	152.000,00
32	TP A03	TP A03: Diapyknische ind Isophyknische Vermischung an der Südflanke des Guinea Auftriebsgebietes: Ein Tracer Release Experiment	DFG-SFB754	Prof. Wallace	01.01.2008 - 31.12.2011	193.200,00
33	TP A04	TP A04: Trends und Variabilität von Sauerstoffinventar und -versorgung in Sauerstoffminimumzonen	DFG-SFB754	Prof. Körtzinger	01.01.2008 - 31.12.2011	311.500,00
34	TP A07	TP A07: Ursachen und zeitlicher Verlauf von Einsetzen und Ausbreitung anoxischer Verhältnisse im Kreide-Ozean	DFG-SFB754	Prof. Wallmann	01.01.2008 - 31.12.2011	234.300,00
35	TP B01	TP B01: Ein globales Modell redox-sensitiver biogeochemischer Kreisläufe	DFG-SFB754	Prof. Oschlies	01.01.2008 - 31.12.2011	165.700,00
36	TP B01	TP B01: Ein globales Modell redox-sensitiver biogeochemischer Kreisläufe	DFG-SFB754	Prof. Wallmann	01.01.2008 - 31.12.2011	165.700,00
37	TP B02	TP B02: Reaktionen der Planktongemeinschaft auf Änderungen der Nährstoffstöchiometrie	DFG-SFB754	Prof. Riebesell	01.01.2008 - 31.12.2011	99.000,00
38	TP B03	TP B03: Sensitivität der biologischen Stickstofffixierung im Ozean gegenüber gelöstem Sauerstoff	DFG-SFB754	Prof. LaRoche	01.01.2008 - 31.12.2011	161.200,00
39	TP B04	TP B04: Stickstoffverlust und Nährstofferneuerung in Meerwasser mit einem Sauerstoffdefizit	DFG-SFB754	Prof. LaRoche	01.01.2008 - 31.12.2011	156.100,00
40	TP B05	TP B05: Auswirkungen niedriger Sauerstoffkonzentrationen auf dem Biogeochemischen Kreislauf von Eisen und Phosphat	DFG-SFB754	Dr. Hensen	01.01.2008 - 31.12.2011	230.300,00
41	TP B05	TP B05: Auswirkungen niedriger Sauerstoffkonzentrationen auf den Biogeochemischen Kreislauf von Eisen und Phosphat	DFG-SFB754	Dr. Croot	01.01.2008 - 31.12.2011	230.300,00
42	TP B06	TP B06: Redox-sensitive Stickstoffflüsse in der Bodengrenzschicht	DFG-SFB754	Prof. Eisenhauer	01.01.2008 - 31.12.2011	250.700,00

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No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
43	TP Z01	TP Z01: Zentrale Aufgaben des Sonderforschungsbereiches	DFG-SFB754	Prof. Wallace	01.01.2008 - 31.12.2011	1.416.160,00
44	TP Z02	TP Z02: Expeditionskosten für die SFB Schiffsreisen	DFG-SFB754	Dr. Pfannkuche	01.01.2008 - 31.12.2011	438.300,00
45	TP Z1 Pauschale Mittel	SFB 754 Zentrale Aufgaben des Sonderforschungsbereiches.Hier: Pauschale Mittel	DFG-SFB754	Prof. Wallace	01.01.2009 - 31.12.2011	225.000,00
46	Stipendium Prof. Kunshan GAO	Stipendium Prof. Kunshan GAO, China	BMBF	Prof. Riebesell	01.06.2011 - 30.09.2011	6.795,00
47	FS SONNE Neubau 03F0477I	Nachfolgebau FS SONNE	BMBF	Dr. v. Bröckel	01.04.2008 - 31.03.2012	363.709,00
48	Nordatlantik, AP 3.3 03F0605B	Verbundprojket: Nordatlantik - Tei des Erdsystems;Vorhaben: Klimaschwankungen und ihre Auswirkungen auf die thermohline Zirkulation im Nordatlantik	BMBF	Prof. Oschlies	01.10.2009 - 30.09.2012	230.530,00
49	BIOACID 03F0608A TP 0.1	Verbundprojekt BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Koordination ; Training und Wissenstransfer; Anpassung oder Akklimatisation in Autotrophen; Kalzifizierung- Empfindlichkeiten von Phyla bis Ökosystemen	BMBF	Prof. Riebesell	01.09.2009 - 31.08.2012	391.032,00
50	BIOACID 03F0608A TP 0.4	Verbundprojekt BIOACID - Biologische Auswirkungen der Ozeanversauerung, Vorhaben: Training und Wissenstransfer	BMBF	Dr. Meyerhöfer	01.09.2009 - 31.08.2012	4.500,00
51	BIOACID 03F0608A TP 1.1.2	Verbundprojekt BIOACID - Biologische Auswirkungen der Ozeanversauerung, Vorhaben: Wechselwirkung zwischen Kohlenstoff- und Eisenverfügbarkeit und ihr Einfluss auf Photosynthese und Primärproduktion im Ozean	BMBF	Prof. LaRoche	01.09.2009 - 31.08.2012	78.741,00
52	BIOACID 03F0608A TP 1.1.3	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Anpassung oder Akklimatisation in autotrophen Organismen	BMBF	Prof. Riebesell	01.09.2009 - 31.08.2012	210.184,00
53	BIOACID 03F0608A TP 1.1.4	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Schnelle evolutive Anpassung wichtiger Phytoplanktonarten an einen Ozean mit hohem Co2-Partialdruck.	BMBF	Prof. Riebesell	01.09.2009 - 31.08.2012	121.519,00
54	BIOACID 03F0608A TP 3.1.1	BIOACID - Biologische Auswirkungen der Ozeansauerung Vorhaben: Anorganische Kohlenstoffaufnahme für Kalzifizierung und Photosynthese in Coccolithophoriden: Entwicklung einer einheitlichen Theorie	BMBF	Dr. Schulz, Kai	01.09.2009 - 31.12.2012	134.088,00
55	BIOACID 03F0608A TP 3.1.2	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Transepitheliale Kalzifizierungsprozesse in der hermatypischen Kaltwaserkoralle (Sleractinia)	BMBF	Dr. Form	01.09.2009 - 31.08.2012	255.126,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
56	BIOACID 03F0608A TP 3.1.3	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Effekte von Ozeanversauerung auf Kalzifizierung & Ionen - Homöostase im Stamm Mollusca	BMBF	Prof. Melzner	01.09.2009 - 31.12.2011	87.624,00
57	BIOACID 03F0608A TP 3.2.1	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Einfluss der Versauerung und Erwärmung auf sub-polare schalenbildende Pteropoden	BMBF	Prof. Riebesell	01.09.2009 - 31.08.2012	170.248,00
58	BIOACID 03F0608A TP 3.2.4	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Einfluss der Ozeanversauerung auf koralline Rotalgen	BMBF	Dr. Fietzke	01.09.2009 - 31.08.2012	122.844,00
59	BIOACID 03F0608A TP 3.3.2	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Der Einfluss von sinkenden pH-Werten, Salinitäts- und Temperaturveränderungen auf die Spurenelementverteilung zwischen Meerwasser und kalzifizierenden Organismen	BMBF	Prof. Eisenhauer	01.09.2009 - 31.08.2012	115.785,00
60	BIOACID 03F0608A TP 5.2	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben:	BMBF	Prof. Oschlies	01.09.2009 - 31.08.2012	276.772,00
61	SOPRAN II 03F0611A TP 1	Sopran II (Surface Ocean Processes in the Anthropocene)- Ozeanische Oberflächenprozesse im Anthropozän II; Vorhaben: Koordination; Austausch von Gasen u. org. Substanzen an der Grenzfläche Meer/Atmosphäre; Ökosystemwirkung des Staubeintrages; C-u. N-Dynami	BMBF	Prof. Wallace	01.02.2010 - 31.01.2013	895.799,00
62	SOPRAN II 03F0611A TP 10	SOPRAN II T 10: Quellen und Senken bromierter und jodierter Verbindungen im tropischen Ozean	BMBF	Prof. Wallace	01.02.2010 - 31.01.2013	394.302,00
63	SOPRAN II 03F0611A TP 11	SOPRAN II - Unterstützung des Internationalen Büros (International Project Office, IPO) von SOLAS	BMBF	Prof. Wallace	01.02.2010 - 31.01.2013	237.929,00
64	SOPRAN II 03F0611A TP 2	SOPRAN II TP 2: The contribution of physical processes to the emissions of trace gases in upwelling areas of the equatorial Atlantic Ocean: A N2O case study	BMBF	Dr. Bange	01.02.2010 - 31.01.2013	409.242,75
65	SOPRAN II 03F0611A TP 3	SOPRAN II TP3: Einfluss von Photochemie, atmosphärischen Aerosolen und gelösten organischen Stoffe auf biogeochemische Schlüsselprozesse bei den Kapverden.	BMBF	Dr. Croot	01.02.2010 - 31.01.2013	232.545,00
66	SOPRAN II 03F0611A TP 5	SOPRAN II TP 5: Air sea fluxes of CO2 and O2 in the equatorial and subtropical Atlantic: Observing variability on diel to interannual time scales	BMBF	Prof. Körtzinger	01.02.2010 - 31.01.2013	360.714,00
67	SOPRAN II 03F0611A TP 6	SOPRAN II TP 6: Ökosystemwirkungen des Staubeintrages (Eisen, Phosphor und Stickstoff) auf Phytoplanktonproduktivität Stickstofffixierung	BMBF	Prof. LaRoche	01.02.2010 - 31.01.2013	426.818,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
68	SOPRAN II 03F0611A TP 7	SOPRAN II TP7: The influence of surface ocean processes on OVOCs and DMS in the atmosphere	BMBF	Dr. Marandino	01.02.2010 - 31.01.2013	161.481,00
69	SOPRAN II 03F0611A TP 8	SOPRAN II TP 8: A global model of the oceanic nitrous oxide and iodine cycles	BMBF	Prof. Oschlies	01.02.2010 - 31.01.2013	196.778,00
70	SOPRAN II 03F0611A TP 9	SOPRAN II TP 9: Impacts of ocean change on carbon and nitrogen dynamics during plankton bloom events	BMBF	Prof. Riebesell	01.02.2010 - 31.01.2013	633.667,00
71	SO 205 Mangan 03G0205C	SO 205: Erstellung von Zeitreihen an Manganknollen mittels radiogener (Sr, NS usw.) und nicht-traditionellen Isotopensystemen ($\delta^{88/86}$Sr,$\delta^{98/100}$Mo)	BMBF	Prof. Eisenhauer	01.02.2010 - 31.01.2013	37.295,00
72	SO 218 -SHIVA-Sonne 03G0218	SO218: SHIVA-Sonne: Stratosphärisches Ozon: Halogen Einfluss in einer sich verändernde Atmosphäre: (Expedition von FS Sonne und DLR Falcon im Südchinesischen Meer und der Sulu See)	BMBF	Dr. Quack	01.08.2011 - 31.03.2013	74.300,00
73	SUGAR A 03G0687A TP 4	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A:Submarine Gashydrat-Lagerstätten als Deponie für die CO2-Sequestierung; Vorhaben. Prospektion und Exploration von Gashydrat-Lagerstätten - Sonderprogramm GEOTECHNOLOGIEN	BMBF	Dr. Hensen	01.05.2008 - 30.06.2011	227.133,00
74	SO TransBromSonne 03G0731A	TransBromSonne - Emissonen kurzlebiger Bromverbindungen im tropischen Westpazifik, ihre Quellen und ihr Eintrag in die Stratosphäre	BMBF	Dr. Quack	01.07.2009 - 28.02.2011	55.671,00
75	SUGAR II 03G0819A A3	Verbundprojekt: SUGAR II A Methoden zur Exploration und Überwachung von Gashydrat-Lagerstätten - Sonderprogramm GEOTECHNOLOGIEN; Vorhaben: Charakterisierung von Gaslagerstätten und Überwachung des Erdgasförderprozesses	BMBF	Dr. Haeckel	01.07.2011 - 30.06.2014	288.129,70
76	SUGAR B 03SX250	Verbundprojekt:SUGAR-Submarine Gashydrat-Ressourcen; SUGAR B. Submarine Gashydrat-Lagerstätten - Erkundung, Abbau und Transport, Vorhaben: Numerische Simulation des Hydratabbaus und Erdgasgewinnung mittels CO2-Substitution von Methan in Clathraten	BMBF	Dr. Haeckel	01.07.2008 - 30.06.2011	1.861.872,00
77	HISEM 03SX301	Entwicklung der Kalibrationsverfahren für den offshore Einsatz von HISEM	BMBF	Dr. Linke	01.10.2010 - 30.09.2013	126.704,00
78	SUGAR II-B 03SX320A	Verbundprojekt: SUGAR II-B-Submarine Gashydrat-Lagerstätten-Erdgasproduktion und CO2 Speicherung; Vorhaben: Strategien und Techniken zur Förderung von Erdgas aus Methanhydrat-Lagerstätten durch CO2-Injektion	BMBF	Dr. Haeckel	01.08.2011 - 31.07.2014	1.577.900,00
79	PPP Taiwan 426/tai-PPP-cab	Projektbezogener Personenaustausch mit Taiwan	BMBF	Prof. Melzner	01.07.2010 - 31.12.2011	11.706,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
80	Intern. Zus. Canada CAN 11/Q02	Deutsch-Canadischer Workshop über Forschungszusammenarbeit im Nordatlantischen Ozean	BMBF	Prof. Wallace	01.02.2011 - 15.12.2011	9.095,00
81	Koop. Türkei TUR 08/ I09	internationale Zusammenarbeit mit der Türkei Modelling phoshpours and nitrogen cycles at oxic-anoxic interfaces in the water column	BMBF	Prof. Oschlies	01.01.2009 - 31.12.2011	101.359,00
82	18122008 My Ocean	My Ocean - Development and pre-operational validation of upgraded GMES Marine Core Services and capabilities	EU	Prof. Oschlies	01.01.2009 - 31.03.2010	147.450,00
83	EPOCA 211384	EPOCA - Euroean Project on Ocean Acidification	EU	Prof. Oschlies	01.05.2008 - 30.04.2012	160.395,20
84	EPOCA 211384	EPOCA - European Project on Ocean Acidification	EU	Prof. Riebesell	01.05.2008 - 30.04.2012	591.503,80
85	211816 EMSO	EMSO: European Multidisciplinary Seafloor Observation	EU	Dr. Pfannkuche	01.01.2009 - 31.03.2012	82.038,40
86	212196-COCOS	COCOS-Coordination Action Carbon Observation System	EU	Prof. Wallace	01.01.2009 - 30.04.2011	139.956,00
87	SHIVA 226224	Stratospheric Ozone: Halogen Impact in a Varying Atmospere	EU	Prof. Körtzinger	01.07.2009 - 30.06.2012	261.333,50
88	MesoAqua 228224 TP1	Network of leading MESOcosm facilities to advance the studies of future AQUAtic ecosystems from the Arctic to Mediterranean	EU	Prof. Riebesell	01.01.2009 - 31.12.2012	372.372,00
89	CarboChange 264879	Changes in carbon uptake and emissions by oceans in a changing climate	EU	Prof. Körtzinger	01.03.2011 - 28.02.2015	554.336,00
90	CarboChange 264879	Changes in carbon uptake and emissions by oceans in a changing climate	EU	Prof. Oschlies	01.03.2011 - 28.02.2015	337.920,00
91	ECO2 265847 CCT1	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP CCT1	EU	Dr. Linke	01.05.2011 - 30.04.2015	22.667,00
92	ECO2 265847 CCT2	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP CCT2	EU	Dr. Haeckel	01.05.2011 - 30.04.2015	19.734,00
93	ECO2 265847 WP 2	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP 2	EU	Dr. Haeckel	01.05.2011 - 30.04.2015	973.613,00
94	ECO2 265847 WP 3	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP	EU	Dr. Linke	01.05.2011 - 30.04.2015	239.120,00
95	ECO2 265847 WP 4	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP 4	EU	Prof. Melzner	01.05.2011 - 31.12.2011	20.800,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
96	ECO2 265847 WP 7	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP 7	EU	Prof. Wallmann	01.05.2011 - 30.04.2015	516.595,00
97	ECO2 265847 WP 7M	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP 7 Management	EU	Dr. Reitz	01.05.2011 - 30.04.2015	640.392,00
98	OSS 2015 282723	OSS 2015 - Ocean Strategic Services beyond 2015	EU	Prof. Oschlies	01.11.2011 - 31.10.2014	435.723,00
99	Bones4Culture 61-2.5-10	Kulturerbe erhellt deutsch-dänische Identität	EU	Prof. Eisenhauer	01.07.2011 - 30.06.2014	37.040,00
100	ESONET (GOCE 036851)	European Seas Observatory Network	EU	Dr. Pfannkuche	01.03.2007 - 28.02.2011	13.168,00
101	HERMIONE	HERMIONE - Hotspot Ecosystem Research and Man`s Impact on European Seas	EU	Dr. Pfannkuche	01.04.2009 - 31.03.2012	297.760,00
102	HYPOX	HYPOX-In situ monitoring of oxygen depletion in hypoxic ecosystems of coastal and open seas and land-locked water bodies	EU	Dr. Pfannkuche	01.04.2009 - 31.03.2012	302.400,00
103	PIEF-GA-2009-236694 DAPOP	Deposition of Atmospheric Particles on the Ocean: a Process study -Support for trainign and career development of researchers (Marie Curie) Intra-European Fellowship-	EU	Dr. Croot	01.05.2009 - 30.04.2011	161.563,92
104	PITN-GA-2008-215157 CarlMarO	CalMaro -Ca lcification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People	EU	Prof. Eisenhauer	01.10.2008 - 30.09.2012	194.585,49
105	PITN-GA-2008-215157 CarlMarO	CalMaro -Ca lcification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People	EU	Prof. LaRoche	01.10.2008 - 30.09.2012	101.005,04
106	PITN-GA-2008-215157 CarlMarO	CalMaro -Ca lcification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People	EU	Prof. Riebesell	01.10.2008 - 30.09.2012	194.585,49
107	SUGAR II 03SX320A B	Verbundprojekt: SUGAR II-B-Submarine Gashydrat-Lagerstätten-Erdgasproduktion und CO2 Speicherung; Vorhaben: Strategien und Techniken zur Förderung von Erdgas aus Methanhydrat-Lagerstätten durch CO2-Injektion	Sonstige Energie-Pr.	Dr. Haeckel	01.08.2011 - 31.07.2014	450.000,00
108	SUGAR B	SUGAR B, Zuschuss von E.ON, REW, Stadtwerke Kiel	Sonstige Industrie	Prof. Wallmann	01.07.2008 - 30.06.2011	1.037.000,00
109	Stipendium , Victoria Bertics, USA	Forschungskostenzuschuss für 24 Monate für Stipendiatin V. Bertics	AvH	Prof. Treude	01.10.2010 - 30.09.2012	73.200,00
110	Stipendium Christa Marandino USA/1133906 STP	Forschungsstipendium Dr. Chrisa Marandino für weitere12 Monate	AvH	Prof. Wallace	01.11.2010 - 31.10.2011	36.600,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
111	Soft-Coral		Sonstige	Prof. Eisenhauer	01.02.2011 - 31.07.2011	15.900,00
112	Landereinsatz EXXONMOBIL	Landereinsatz EXXONMOBIL Nordsee	Sonstige	Dr. Linke	01.06.2011 - 31.05.2012	98.443,70
113	Ch4 Blow out	Contribute to, and to review and comment for DECC on the work programme and technique being developed by ExxonMobil for evaluating the emmission of gas seabed at the location of the 22/4b-4 well and the total amount of methane reaching the atmosphere from	Sonstige	Dr. Linke	01.07.2011 - 30.06.2012	33.440,00
114	PaCO2 Eurofleets 1024-047	The Panarea Natural CO2 Seeps: Fate and Impact on the Leaking Gas	Sonstige	Dr. McGinnis	01.07.2011 - 31.12.2011	13.100,00
115	Mesokosmen Hawaii	Verbrauchsmaterial für Meskosmenexperiment auf Hawaii	Sonstige	Prof. Riebesell	01.07.2011 - 31.12.2011	27.000,00
116	JEDDAH TP 1	The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean.	Sonstige	Dr. Schmidt	01.07.2010 - 30.06.2013	830.000,00
						29.607.906,99

[1] Total Budget over the complete funding period

Research Division 3: Marine Ecology

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
1	ATLAS	Future Ocean Atlas, Proposal for development of a prototype and proof-of-concept Future Ocean Atlas, to be available on the Future Ocean Portal and on mobile devices	DFG	Dr. Froese	01.11.2011 - 31.05.2012	75.000,00
2	RECONN 3 CL 126/3-3	Resolving Trophodynamic Consequences of climate Change (RECONN 3)	DFG	Dr. Clemmesen-Bockelmann	01.12.2009 - 30.11.2011	62.740,00
3	Missing Baselines 2009/1 CLUSTER - CP0901	CLUSTER: Missing Baselines and Ecological Noise	DFG	Prof. Wahl	01.11.2009 - 30.06.2011	95.000,00
4	Global change on Labyrinth CLUSTER - 2009/1 CP0906	Effects of global change on Labyrinthula-infection in eelgrass Zostera marina	DFG	Dr. Bockelmann	01.11.2009 - 30.06.2011	95.000,00
5	Winners and losers in the CLUSTER - 2009/1 CP0931	Winners and losers in the Future Ocean	DFG	Dr. Froese	01.11.2009 - 30.06.2011	100.000,00
6	Fisheries-induced CLUSTER - CP1101	Local and global patterns in fisheries-induced evolution	DFG	Dr. Dierking	01.11.2011 - 30.10.2013	162.600,00
7	Tyrrhenische Meer IM 12/18-1	Mikrobiologie an Hydrothermalquellen des Tyrrhenischen Meeres	DFG	Prof. Imhoff	01.01.2011 - 30.09.2011	140.803,00
8	INIGIL JA 2008/1-1	Interactions between native and invasive gelatinous zooplankton within the Baltic Sea food web (INIGEL)	DFG	Dr. Javidpour	01.06.2010 - 30.05.2013	258.570,00
9	Mnemiopsos RE 1108/12-1	Evolutionsökologie der Mnemiopsis in Nord- und Ostsee Mnemiopsis Evolutionary Ecology	DFG	Prof. Reusch	01.03.2009 - 29.02.2012	140.450,00
10	Stickleback Host-Parasit RE 1108/13-1	Experimentelle Resistenz-Evolution und genetische Basis des Diplostomum-Stichling-Wirts-Parasitensystems -Stickleback Host-Parasit Coevolution	DFG	Prof. Reusch	01.08.2009 - 31.07.2012	220.070,00
11	Globale Erwärmung RE 1108/9-2	Globalerwärmung und Hitzestresstoleranz: Untersuchungen der genetischen und physiologischen Basis durch direktes Sequenzieren des Transkriptoms.	DFG	Prof. Reusch	01.01.2011 - 31.12.2011	18.000,00
12	Baltic Sea Plankton SO 145/23-3	Match and mismatch between phyto- and zooplankton during spring succession: an experimental analysis with Baltic Sea plankton	DFG	Prof. Sommer	01.03.2010 - 28.02.2011	89.230,00
13	Koordination Aquashift SO 145/24-3	Koordinierungsarbeiten im Schwerpunktprogramm "The impact of climate variability on aquatic ecosystems (AQUASHIFT)	DFG	Prof. Sommer	01.03.2010 - 28.02.2011	137.090,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
14	TRIAS SO 145/28-1	Developing triple (13C, 15N, 34S) stable isotope analysis as a tool in aquatic food web studies: seagrass meadows as model system (TRIAS)	DFG	Prof. Sommer	01.09.2010 - 31.08.2013	211.810,00
15	Bil. Koop. Russland SO 145/29-1	Initierung und Intensivierung einer bilateralen Kooperation mit Russland Assessment of Mnemiopsis leidyi population dynamics in the context of ecosystem disturbance and climate change	DFG	Prof. Sommer	01.08.2010 - 30.04.2011	5.268,00
16	WA 708/21-1	Interface Ecology: How do macroalgae control the quantity and composition of the bacterial epibioses at their surfaces?	DFG	Prof. Wahl	01.11.2008 - 31.10.2011	123.046,00
17	GLOBAL CHANGE WE 4641/1-1	Global change and evolutionary genetics of pathogen resistance in estuarine ecosystems	DFG	Dr. Wegner	01.01.2010 - 31.12.2012	671.250,00
18	PATH WI 2726/2-1	Effects of plankton community structure on energy pathways and tropic efficiency (PATH)	DFG	Dr. Winder	01.04.2011 - 31.03.2014	203.340,00
19	TP B02	TP B02: Reaktionen der Planktongemeinschaft auf Änderungen der Nährstoffstöchiometrie	DFG-SFB754	Prof. Sommer	01.01.2008 - 31.12.2011	99.000,00
20	BIOACID 03F0608A TP 1.1.4	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Schnelle evolutive Anpassung wichtiger Phytoplanktonarten an einen Ozean mit hohem Co2-Partialdruck	BMBF	Prof. Reusch	01.09.2009 - 31.08.2012	121.519,00
21	BIOACID 03F0608A TP 2.3.1	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Auswirkungen auf Top-Prädatoren (Fische, Chephalopoden)	BMBF	Dr. Piatkowski	01.09.2009 - 31.08.2012	197.002,00
22	BIOACID 03F0608A TP 4.1.2	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Versäuerungssress: Ökologie früher Entwicklungsstadien in Zeiten des Globalen Wandels	BMBF	Prof. Wahl	01.09.2009 - 31.08.2012	114.390,00
23	Stip.- M. Moison A/10/73959	Stipendium Maud Solene Moison aus Frankreich für 4 Monate	BMBF	Dr. Molinero	01.02.2011 - 31.05.2011	4.125,00
24	Bilaterale Koop. China CHN 11/043	Biologische Kontrolle von Krankheitserregern in kommerziell genutzten Großanlagen	BMBF	Dr. Weinberger	01.07.2011 - 31.12.2013	12.160,00
25	PPP Argentinien ID50467312	PPP Argentinien: Effects of global warming on marine plankton	BMBF	Prof. Sommer	01.01.2010 - 31.12.2011	14.010,00
26	PPP Kroatien ID50477191	Jellyfish dynamics under disturbed and undisturbed ecosystems	BMBF	Dr. Molinero	01.01.2010 - 31.12.2011	14.000,00
27	PPP Griechenland ID50731771	Invasive species under contrasting marine environments	BMBF	Dr. Molinero	01.01.2010 - 31.12.2011	8.870,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
28	PPP Mexiko ID51311210	PPP Mexiko: Synergies of Climate and Fishing on Exploited Marine Populations	BMBF	Dr. Molinero	01.01.2011 - 31.12.2012	9.837,00
29	Zusammenarbeit mit Indonesien IDN 10/007	Verknüpfte Netzwerke in der marinen Forschungsausbildung	BMBF	Prof. Wahl	01.04.2011 - 31.03.2012	1.498,00
30	Fucus-Wiederansiedlung	Fucus Wiederansiedlung	LLUR (LANU)	Prof. Wahl	01.09.2010 - 31.12.2011	49.000,00
31	Genetische Vielfalt	Bedeutung der genetischen Diverstiät. Im Rahmen des Projektes RADOST (Regionale Anpassungsstrategien für die deutsche Ostseeküste)	LLUR (LANU)	Prof. Wahl	01.04.2011 - 30.11.2012	19.000,00
32	Probenauswertung Nord- Ostsee	Auswertung von Proben der Nord- und Ostsee 2010+ 2011	LLUR (LANU)	Prof. Sommer	15.08.2011 - 30.11.2012	83.000,00
33	Nordseeschnäpel in der Treene 0608.41.11.14	Populationsgrößenabschätzung in der Treene durch die Bestimmung der Proportion von markierten Individuen in den Wiederfängen im Herbst 2013	LLUR (LANU)	Dr. Eizaguirre	01.12.2011 - 31.03.2013	49.995,00
34	Nordseeschnäpel in der Treene 0608.411012	Untersuchung der Taxonomie, Populationsbiologie und des Wanderverhaltens des Nordseeschnäpels in der Treene	LLUR (LANU)	Dr. Eizaguirre	01.11.2010 - 31.10.2011	51.600,00
35	Ostsee-Blüten 11-0675000-4121.3	Ostsee-Blüten: Aufbau einer Literatursammlung zum Themenkreis "klimatische, physiologische und sonstige Voraussetzungen zur Entwicklung von Makroalgenblüten/Dynamiken und Effekte von Makroalagenblüten"	LLUR (LANU)	Dr. Weinberger	01.11.2011 - 30.11.2012	67.000,00
36	Fucus-Auswilderung 11-0676000-4121.3	FUCUS-Auswilderung	LLUR (LANU)	Prof. Wahl	01.11.2011 - 30.11.2012	50.000,00
37	Dasya & Gracilaria 450924	Untersuchungen von Dasya & Gracilaria für das Landesamt für Landwirtschaft, Umwlet und ländliche Räume des Landes Schleswig-Holstein	LLUR (LANU)	Dr. Weinberger	01.09.2009 - 30.11.2011	90.000,00
38	Dasya & Gracilaria 450924.1	Untersuchungen von Dasya & Gracilaria für das Landesamt für Landwirtschaft, Umwelt und ländliche Räume des Landes Schleswig-Holstein	LLUR (LANU)	Dr. Weinberger	01.04.2011 - 30.11.2011	12.500,00
39	Sublitorales Seegras (Watt) 451014	Sublitorales Seegras (Watt) für das Landesamt für Landwirtschaft, Umwelt und ländliche Räume des Landes Schleswig-Holstein	LLUR (LANU)	Prof. Reusch	01.08.2010 - 30.11.2011	44.000,00
40	Seegras in der Lübecker Bucht 451022	Bedeutung von Seegraswiesen in der Lübecker Bucht	LLUR (LANU)	Prof. Reusch	01.10.2010 - 30.11.2011	59.800,00
41	Auswertung WRRL-Monitoring 201 451024	LLUR Auswertung Proben WRRL-Monitoring 2010	LLUR (LANU)	Prof. Sommer	15.10.2010 - 14.08.2011	53.600,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
42	Fucus Modell 451124	FUCUS-Modell	LLUR (LANU)	Prof. Wahl	01.07.2011 - 31.03.2012	21.300,00
43	LASH-Statistik 5451104	Analysen und Auwertung der LASH+ Platten	LLUR (LANU)	Prof. Wahl	01.04.2011 - 30.11.2011	23.500,00
44	Zoobenthos Kieler Bucht LLUR 125-0608.451018	Zoobenthos Kieler Bucht: Probennahme in der Kieler Bucht und deren Analyse nach Makrobenthos Verfahren	LLUR (LANU)	Dr. Rumohr, H.	01.08.2010 - 31.05.2011	3.000,00
45	Seegras & Labyrintha LLUR 451121	Seegras & Labyrintha	LLUR (LANU)	Prof. Reusch	01.07.2011 - 31.10.2013	60.000,00
46	Sterblichkeit von Aalen	Quantifizierung der fischereilichen, sonstigen anthropogen bedingten und natürlichen Sterblichkeit von Aalen im Einzugsgebiet der Schwentine (Schleswig-Holstein)	MLET	Prof. Hanel	01.09.2008 - 31.12.2011	328.168,62
47	BIOKATALYSE 2021-P24	Nachhaltige Biokatalyse auf neuen Wegen - BIOKATALYSE 2021: Isolierung, Charakterisierung und Produktion antimikrobieller (AMPs) mariner Organismen	MWV	Prof. Imhoff	01.07.2008 - 30.06.2011	450.000,00
48	Subito-Reinsubstanz-Bibliothek	Aufbau einer Reinsubstanz-Bibliothek mariner Naturstoffe im Zusammenhang mit dem Europäischen Screening Port in Hamburg	MWV	Prof. Imhoff	01.11.2008 - 31.12.2011	1.819.859,00
49	NEMO TP 1	"Nachhaltige Ernährung mir Marinen Organismen - NEMO" als Teilprojekt der Maßnahme "Aufbau des Nationalen Kompetenzzentrum Marikultur	MWV	Dr. Waller	01.01.2009 - 31.12.2012	382.354,00
50	NEMO TP 2	"Nachhaltige Ernährung mir Marinen Organismen - NEMO" (s.o.)	MWV	Dr. Ueberschär	01.01.2009 - 31.12.2012	165.593,00
51	NEMO TP 3	"Nachhaltige Ernährung mir Marinen Organismen - NEMO" (s.o.)	MWV	Prof. Sommer	01.01.2009 - 31.12.2012	166.297,00
52	NEMO TP 4	"Nachhaltige Ernährung mir Marinen Organismen - NEMO" (s.o.)	MWV	Dr. Ueberschär	01.01.2009 - 31.12.2012	213.837,00
53	NEMO TP 5	"Nachhaltige Ernährung mir Marinen Organismen - NEMO" (s.o.)r	MWV	Prof. Hanel	01.01.2009 - 31.12.2012	153.126,00
54	NEMO TP 6	"Nachhaltige Ernährung mir Marinen Organismen - NEMO" (s.o.)r	MWV	Dr. Waller	01.01.2009 - 31.12.2012	303.014,00
55	NEMO TP 7	"Nachhaltige Ernährung mir Marinen Organismen - NEMO" (s.o.)	MWV	Dr. Froese	01.01.2009 - 31.12.2012	89.411,00
56	Sushi-Detektive -Junge Forscher 2011	Förderwettbewerb "Stadt der jungen Forscher für die Durchführung des Projektes "Shushi-Detektive"in Zusammenarbeit mit der IGS Friedrichsort	Stadt Kiel	Prof. Reusch	01.02.2011 - 30.06.2011	3.220,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
57	EPOCA 211384	EPOCA - Euroean Project on Ocean Acidification	EU	Dr. Clemmesen-Bockelmann	01.05.2008 - 30.04.2012	100.208,00
58	EPOCA 211384	EPOCA - Euroean Project on Ocean Acidification	EU	Prof. Sommer	01.05.2008 - 30.04.2012	100.208,00
59	MesoAqua 228224	Network of leading MESOcosm facilities to advance the studies of future AQUAtic ecosystems from the Arctic to Mediterranean	EU	Prof. Sommer	01.01.2009 - 31.12.2012	244.900,00
60	Marine Fungi 265926	Natural products from marine fungi for the treatment of cancer	EU	Prof. Imhoff	01.05.2011 - 30.04.2014	612.376,00
61	4D4Life /238988	4D4Life:Distributed Dynamic Diversity Databases for Life INFRA-2008-1.2.2:Scientrific Data Infrastructure	EU	Dr. Froese	01.05.2009 - 30.04.2012	20.116,00
62	FP7-PEOPLE-2010-RG Trophic efficiency	Effects of plankton community structure on energy pathways and trophic efficiency Fellow: Dr. Monika Winder	EU	Prof. Sommer	01.03.2011 - 28.02.2015	100.000,00
63	MIRG-CT-2007-208801 IDA	IDA - Intraspecific Diversity and Adaptability of Fucus vesiculosus at range limits	EU	Prof. Wahl	01.10.2007 - 30.09.2011	100.000,00
64	PICOS 215056	PICOS - Privacy and Identity Management for Community Services	EU	Dr. Ueberschär	01.02.2008 - 30.06.2011	348.218,00
65	PIOF- GA-2008-221840 SeagrassTime	SeagrasTime: Trophic Cascaes in Marine Ecosystems Marie Curie Outgoing Fellowship, Britta Munkes, Australien	EU	Prof. Sommer	01.08.2008 - 31.07.2011	236.637,45
66	PITN-GA-2008-215157 CarlMarO	CalMaro -Ca lcification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People	EU	Dr. Clemmesen-Bockelmann	01.10.2008 - 30.09.2012	194.585,49
67	PITN-GA-2008-215157 CarlMarO	CalMaro -Ca lcification by Marine Organism Networks for Initial Training (ITN) Marie Curie/SP3 People	EU	Prof. Wahl	01.10.2008 - 30.09.2012	194.585,49
68	SUBMARINER	Sustainable Uses of Baltic Marine Resources - SUBMARINER	EU	Prof. Imhoff	01.10.2010 - 31.12.2013	167.510,00
69	DOKMA Symposium	Interner und externer wissenschaftlicher Austausch, organisiert von Studenten und Doktoranden	Sonstige	Prof. Reusch	01.10.2011 - 31.12.2011	400,00
70	Leibniz X	Externe Managementunterstützung-Entwicklung und Erprobung von Instrumenten zur Erhöhung der Managementkompetenz in Ausgründungsvorhaben aus Einrichtungen der Leibniz-Gemeinschaft	Sonstige - Privat	Prof. Imhoff	01.09.2011 - 31.08.2012	88.165,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
71	Statussymposium 85 757	3. Statussymposium "Evolution at the sea" auf Sylt 7.-11.11.2011	Sonstige	Prof. Reusch	01.03.2011 - 31.12.2011	90.700,00
72	Drittmittelvertrag Springer Verlag	Beschäftigung einer Redaktionsassistentin für die Betreuung der Zeitschrift: Marine Biology (Herausgeber: Prof. Sommer)	Sonstige - Privat	Prof. Sommer	01.08.2007 - 31.12.2013	220.824,30
73	GAME III	Internationales Ausbildungs-und Forschungsprogramm GAME III	Sonstige	Dr. Lenz	01.10.2008 - 31.01.2011	56.000,00
74	H1205218999915473 Doppelkarrierepaare	Sachbeihilfe im Rahmen des Aktionsprogramms Doppelkarrierepaare	Sonstige	Dr. Bockelmann	01.02.2009 - 31.01.2012	44.815,00
75	Pipefish I/84 160	Evolutionary costs and benefits of trans-generational immune priming in a sexrole reversed fish	Sonstige	Prof. Reusch	01.05.2009 - 30.04.2012	241.500,00
76	Global Change I/84 763	The effect of global change on host-parasite interactions and coevolution of the deepsnouth pipefish (Syngnathus typhle) and its parasite (Cryptocotyle lingua)	Sonstige	S. Landis	01.04.2010 - 31.03.2013	190.300,00
77	MSRL, Unterauftrag	Methodische Grundlagen für sozio-ökonomische Analysen sowie Folgeabschätzungen von Maßnahmen einschl. Kosten-Nutzen-Analysen nach EG-Meeresschutzstrategie-Richtlinie (MSRL)	Sonstige - Privat	Dr. Hiebenthal	15.12.2010 - 30.04.2012	8.899,88
78	POPDYN	Population structure and dynamics of cod and sprat in the Baltic	Sonstige	Dr. Haslob	01.11.2011 - 31.12.2012	88.000,00
79	Stipendiat Hoang Xuan Ben	Kosten für den Aufenthalt Stipendiat Hoang Xuan Ben aus Vietnam	Sonstige	Prof. Wahl	01.12.2010 - 30.11.2013	10.000,00
80	JEDDAH TP 3.1	geology, ecology, resources and biology of an infant ocean. Ziel : die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen.	Sonstige	Prof. Sommer	01.07.2010 - 30.06.2013	325.000,00
81	JEDDAH TP 6	The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean. Ziel : die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen.	Sonstige	Prof. Wahl	01.07.2010 - 30.06.2013	325.000,00
82	Unterstützung GAME	Mittel zur Unterstützung Studenten im Zusammenhang mit dem GAME Projekt	Sonstige	C. Güldenzoph	01.02.2011 - 31.12.2011	47.000,00
						12.373.801,23

[1] Total Budget over the complete funding period

Research Division 4: Dynamics of the Ocean Floor

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
1	MSM 17 Koordination	Koordination der Expedition 17/1-17/4 des F.S. Maria S.Merian	DFG	Prof. Behrmann	01.10.2010 - 31.05.2011	26.970,00
2	MSM 19 Koordination	MSM 19 Koordination	DFG	Dr. Werner	01.01.2011 - 31.12.2012	53.145,00
3	M86/2	M86 Fahrtabschnitt 2: Submarine hazard and their consequences in three selected areas off southern Italy 27.12.11-17.1.12 Carthagena(Spanien) - Brindisi (Italien)	DFG	Prof. Krastel	01.10.2011 - 30.09.2012	10.626,00
4	M86/3	M86/3: Adria lithosphere investigation	DFG	Prof. Kopp	01.10.2011 - 30.09.2012	55.406,00
5	M86/Koordination	M86 Koordination	DFG	Prof. Krastel	01.10.2011 - 30.09.2012	17.755,00
6	NEXT 2 BE 1041/28-2	Natural and experimental faulting of rocks, Nankai Accretionary Prism. Follow-up work to IODP Expeditions 315 and 316	DFG	Prof. Behrmann	01.05.2011 - 30.04.2013	84.180,00
7	SACOM BE 1041/29-1	Deformation and syn-rift magmatism at the South Atlantic passive continental margin, Walvis Ridge area. A marine wide angle seismic and magnetotelluric experiment	DFG	Prof. Behrmann	01.10.2010 - 30.06.2013	375.940,00
8	Datenmanagement-Pool CLUSTER	Datenmanagement-Pool	DFG	Dr. Weinrebe	01.11.2011 - 31.10.2012	5.000,00
9	Datenmanagement-Pool CLUSTER	Datenmanagement-Pool	DFG	Dr. Weinrebe	01.07.2009 - 31.10.2011	15.000,00
10	Model Macroalga CLUSTER - 2007/2	Submarine Hazards Junior Professor B4	DFG	Prof. Krastel	01.03.2008 - 30.10.2011	800.000,00
11	Tsunami risk CLUSTER - 2009/1 CP0912	Submarine landslides and associated tsunami risk: Combining observations and an integrated modeling approach	DFG	Prof. Krastel	01.11.2009 - 30.06.2011	51.000,00
12	Greenhouse Gases CLUSTER - CP1104	Quantifying the release of greenhouse gases during sill intrusion in sedimentary basins using numerical flow models	DFG	Dr. Iyer	01.11.2011 - 30.10.2013	127.600,00
13	Cape Verde Ashes FR 947/14-1	Quaternary explosive volcanism of the Cape Verde Archipelago: On- and offshore tephrostratigraphy	DFG	Dr. Freundt	01.09.2011 - 31.08.2014	166.800,00
14	TopoMed GR 1964/12-1	Plate re-organization in the western Mediterranean: lithospheric causes and topographic consequences (TopoMed) Eurocores Programm: Topo-Europe	DFG	Dr. Grevemeyer	01.01.2009 - 31.12.2011	288.200,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
15	TYRRHENIS GR 1964/13-1	TYRRENIan sea Seismic experiment on continental break-up and structure of conjugated rifted margins	DFG	Dr. Grevemeyer	01.03.2010 - 28.02.2013	231.980,00
16	TACOS GR 1964/14-1	Tectonic and Aftershocks of the Mw=8.8.2010 Chile earthquake rupture area from Ocean-bottom Seismometer data	DFG	Dr. Grevemeyer	01.05.2011 - 30.04.2014	165.150,00
17	QED GR 1964-15-1	The quest for the source area of the 1755 Lisbon earthquake - revealing the maximum depth of seismogenic faulting in the Horseshoe abyssal plain using constraints from a local marine seismic network	DFG	Dr. Grevemeyer	01.08.2011 - 31.07.2013	34.782,00
18	Shatsky Rise HO 1833/21-1	Shatsky Rise: Ar/Ar Geochronology and geochemistry of igneous rock samples from the Shatsky Rise Plateau (northwest Pacific Ocean)	DFG	Prof. Hoernle	01.09.2010 - 31.08.2012	178.550,00
19	WALVIS I HO 1883/17-2	WALVIS-I: Ar/Ar Geochronologie und Geochemie vorhandener Proben des Walvis und Rio Grande Rückens	DFG	Prof. Hoernle	01.10.2010 - 30.09.2013	112.100,00
20	CoCoCo JE 296/11-1	Incipient Continent-Continent Collison and its impact on basement and sedimentary cover. Der Einfluss einsetzender Kontinent-Kontinent Kollision auf Grundgebirge und Sedimentdecke	DFG	Dr. Jegen	01.11.2011 - 31.10.2014	23.282,00
21	ELCONA JE 296/8-1	Die land- und seeseitige tiefe elektrische Leihfähigkeitssruktur zur Untersuchung von magmatischen Ereignissen des Walvis Rückens und deren Ineraktion mit dem Kaoko Mobile Belt im nördlichen Namibia (ELCONA)	DFG	Dr. Jegen	01.10.2010 - 31.03.2013	16.500,00
22	ISOLDE JE 296/9-1	Elektromagnetische, gravimetrische und seismische Messungen zwecks Erforschung des Tristan da Cunha Hotspots und dessen Rolle in der Öffnung des Süd-Atlantiks	DFG	Dr. Jegen	01.11.2010 - 30.10.2013	104.250,00
23	DOKU-GAS KL 1846/3-1	Fluidaustritte an Schlammvulkanen und Cold Seeps sowie Fluidzirkulation des Don-Kuban Tiefseefächers (Kertsch Halbinsel, Krim, Schwarzes Meer)	DFG	Dr. Klaucke	01.11.2011 - 31.12.2014	410.745,00
24	Rockall Trough KR 2222/14-1	Sediment transport processes in the Rockall Trough (North Atlantic) with special emphasis on submarine mass wasting	DFG	Prof. Krastel	01.09.2011 - 28.02.2012	22.600,00
25	Macedonia/Albania KR 2222/7-2	Bündel-Antrag Ohrid See: Sedimentary and neotectonic history of Lake Ohrid (Macedonia/Albania): aquisition and interpretation of new geophysical and geological data	DFG	Prof. Krastel	01.06.2010 - 30.05.2011	42.325,00
26	Andaman Sea, Thailand KR 2222/8-2	MASS-ANDAMAN - Morphodynamics and Slope Stability of the Andaman Sea Shelf (Thailand)	DFG	Dr. Krastel	01.08.2009 - 31.07.2011	180.100,00
27	Lake Van KR 2222/9-1	Mass-Andaman "Sedimentary processes in Lake Van, Turkey - correlation of high resolution seismic records with physicalproperties data	DFG	Prof. Krastel	01.02.2010 - 31.01.2012	188.900,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
28	Nankai Trough KU 2685/1-1	Herkunftsanalyse und Ablagerungsprozesse von Tephren und tertiären vulkaniklastischen Sandsteinen der IODP Expedition 322, Nankai Trog	DFG	Dr. Kutterolf	01.10.2010 - 30.09.2012	30.950,00
29	TP A01	Darstellung von Tektonik, Fluidströmen und Hangstabilität durch multiskalige Kartiermethoden	DFG-SFB574	Prof. Behrmann	01.07.2008 - 30.06.2012	371.500,00
30	TP A05	TP A05: Serpentinisierung in Subduktionszonen	DFG-SFB574	Dr. Grevemeyer	01.07.2008 - 30.06.2012	340.900,00
31	TP A2	Wechselwirkungen und Transfer zwischen Ober- und Unterplatte	DFG-SFB574	Prof. Flüh / Rabbel	01.01.2001 - 30.06.2011	1.133.161,00
32	TP B05	TP: B05 - Diagenetische Prozesse in Forearc Sedimenten und der Volatileintrag in Subduktionszonen Systeme: Akkumulation, Transport und Freisetzung von Volatilen	DFG-SFB574	Dr. Hansteen	01.07.2008 - 30.06.2012	147.450,00
33	TP C04	TP C04 - Krustale Einflüsse auf das Volatilen-Inventar differenzierender Arc-Magmen und Konsequenzen für Vulkangefahren	DFG-SFB574	Dr. Freundt	01.07.2008 - 30.06.2012	431.600,00
34	TP C05	TP C05. Modellierung von Klimaeffekten/Rückkopplungen und Subduktionsprozessen	DFG-SFB574	Prof. Rüpke	01.07.2008 - 30.06.2012	126.870,00
35	TP Z01	TP Z01: Zentrale Aktivitäten und Logistik	DFG-SFB574	Prof. Hoernle	01.07.2008 - 30.06.2012	1.155.700,00
36	TP C02	TP C02: Zusammensetzung und Dynamik von Magmensystemen in Subduktionszonen: Magmenentstehung, zeitliche und räumliche Variationen	DFG-SFB574	Prof. Hoernle	01.07.2008 - 30.06.2012	430.100,00
37	BIOACID 03F0608A TP 3.2.4	BIOACID - Biologische Auswirkungen der Ozeanversauerung Vorhaben: Einfluss der Ozeanversauerung auf koralline Rotalgen	BMBF	Dr. Hansteen	01.09.2009 - 31.08.2012	68.418,00
38	SO 203 Woodlark 03G0203A	SO 203-WOODLARK- Magmengenese, Tektonik und Hydrothermalismus entlang der propagierenden Spreizungsachse im Woodlark Becken (SW-Pazifik)	BMBF	Prof. Devey	10.07.2009 - 31.12.2011	361.379,00
39	SO 208 PLUMEFLUX 03G0208A	SO 208 PLUMEFLUX: Ausbreitung von Galapagosplumematerial im äquatorialen Ostpazifik	BMBF	Prof. Hoernle	01.05.2010 - 31.08.2012	863.330,00
40	SO 209 Tektonik 03G0209B	SO 209 - Tektonik und Morpohologie des Kontinentalrandes vor Peru und Chile - bathymetrische Kartierungen während der bioligischen Arbeiten.	BMBF	Prof. Flüh	01.07.2010 - 31.12.2011	17.965,00
41	SO 212-TACO 03G0212A	TACO- Tectonics and Aftershocks of the M8.8 2010 Chile earthquake monitored by Ocean-bottom-seismometers	BMBF	Prof. Flüh	01.07.2010 - 30.06.2011	85.441,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
42	NEMESYS 03G0214A	Variabilität von submarinen Gasaustritten in Struktur und Chemie und deren Klimarelevanz-Hikurangi Margin Neuseeland	BMBF	Dr. Bialas	01.01.2011 - 28.02.2013	425.614,00
43	KALMAR II 03G0672A TP3	KALMAR II TP 3 - Kurile Kamchatka an Aleuten Marginal Sea Island Arc Systems: Geodynamic and Climate Interaction in Space and Time	BMBF	Prof. Hoernle	01.01.2009 - 31.12.2011	165.652,00
44	SUGAR A 03G0687A TP Z	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A:Submarine Gashydrat-Lagerstätten als Deponie für die CO2-Sequestierung; Vorhaben. Prospektion und Exploration von Gashydrat-Lagerstätten - Sonderprogramm GEOTECHNOLOGIEN	BMBF	Dr. Bialas	01.05.2008 - 30.06.2011	174.255,00
45	SUGAR A 03G0687A TP 2.1	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; s.o.	BMBF	Dr. Bialas	01.05.2008 - 30.06.2011	1.177.017,00
46	SUGAR A 03G0687A TP 2.2	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; s.o.	BMBF	Dr. Jegen	01.05.2008 - 30.06.2011	167.191,00
47	SUGAR A 03G0687A TP A1.1	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; s.o.	BMBF	Dr. Weinrebe	01.05.2008 - 30.06.2011	356.423,00
48	SUGAR II 03G0819A A1-2	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; s.o. Vorhaben: Charakterisierung von Gaslagerstätten und Überwachung des Erdgasförderprozesses	BMBF	Dr. Bialas	01.07.2011 - 30.06.2014	222.198,80
49	SUGAR II 03G0819A A2-2	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; s.o.Vorhaben: Charakterisierung von Gaslagerstätten und Überwachung des Erdgasförderprozesses	BMBF	Dr. Bialas	01.07.2011 - 30.06.2014	387.563,70
50	SUGAR II 03G0819A A2-5	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; s.o. Vorhaben: Charakterisierung von Gaslagerstätten und Überwachung des Erdgasförderprozesses	BMBF	Dr. Jegen	01.07.2011 - 30.06.2014	379.108,80
51	TEWS 03TSU01	Tsunami-Frühwarnsystem zur Finanzierung von Ocean-Bottom-Units	BMBF	Prof. Flüh	01.04.2005 - 31.03.2011	4.548.883,53
52	POWTEX 05K10MG1	F&E-Vertrag zum BMBF gefördertenVorhaben: Verbundprojekt POWTEX: Teilprojekt 2:Entwicklung und Konstruktion von geowissenschaftlichen Probenumgebungen für das Hochintensitätsdifftraktometer POWTEX HIER: Entw. von Deformationsapparaturen für das Neutronend	BMBF	Dr. Stipp	15.05.2011 - 31.12.2012	37.000,00
53	Koop.Brasilien BRA 10/ J23	Deutsch-Brasilianische Initiative zur kooperierenden Forschung von Gashydraten und CO2 Speicherung	BMBF	Dr. Bialas	01.07.2010 - 31.08.2011	7.416,00
54	Intern. Zus. Neuseeland NZL 11/010	Intern. Zusammenarbeit mit Neuseeland: Forschungskooperation zur Untersuchung großer Pockmarks und möglicher Gasautritte am Chatham Rise mit moderner Multibeamtechnik und WCI	BMBF	Dr.Bialas	01.07.2011 - 28.02.2013	21.778,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
55	ECO2 265847 WP 1	Sub-seabed CO2 Storage: Impact Ecosystems (ECO2) WP 1	EU	Prof. Berndt	01.05.2011 - 30.04.2015	183.000,00
56	FP7-PEOPLE-2010-IEF SEISSEA	Seismic Inversion and Stochastic Spectral Analysis of Thermohaline Staircases in the Tyrrhenian Sea Fellow: Dr. Grant George Buffett	EU	Dr. Kläschen	15.09.2011 - 14.09.2013	170.363,20
57	Aufenthalt J. Gill	Alexander von Humboldt Preis für Prof. James B. Gill	AvH	Prof. Hoernle	01.08.2011 - 30.11.2011	20.000,00
58	TIGER	Promotionsstipendium Alexey Shulgin: Tiefenstruktur der Sumatra-Subduktionszone: Geophysikalische Analyse der seismischen Rupturzonen von 2004/2005	Sonstige	Prof. Kopp	01.07.2010 - 31.03.2011	9.900,00
59	FUGRO	Joint Inversion of CSEM, MT & Reflection Seismic Entwicklung von Konzepten, Algorithmen und Programmen zur Joint Inversion von geophysikalishcne Daten	Sonstige - Privat	Dr. Jegen	01.07.2011 - 30.06.2012	80.000,00
60	INDEX 2011 /4500067607	Vorbereitung des Einsatzes und Betriebes des BGR-eigenen Seitensichtsonarsystems C3D Benthos	Sonstige - Privat	Dr. Weinrebe	01.11.2011 - 31.03.2012	54.327,00
61	Luftpulser Anlage SO 215	Ausleihe Luftpulser Anlage und Ozeanbodenseismometer für die SO 215 Ausfahrt	Sonstige	Prof. Füh	23.04.2011 - 13.06.2011	139.150,00
62	OBS-Ersatz	Versicherung für verlorengegangene OBS	Sonstige	Prof. Flüh	01.04.2011 - 31.12.2011	32.500,00
63	PETROBAR-IPY	Ausleihe Ocean Bottom Seismometer in der Barents See, Norwegen	Sonstige	Prof. Flüh	01.04.2010 -	80.000,00
64	SINDRI II	3D Joint inversion of FTG, MT and seismic data in the south eastern Faroe-Shetland basin	Sonstige	Dr. Jegen	01.08.2010 - 31.07.2012	165.797,00
65	JEDDAH TP 2	The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean.	Sonstige	Prof. Devey	01.07.2010 - 30.06.2013	745.000,00
						19.103.788,03

[1] Total Budget over the complete funding period

Central Facilities

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
1	Costa Rica Mud BR 1075/11-1	Costa Rica Mud Mounds Site Survey Site survey data evaluation IODP Proposal 633	DFG	Dr. Brückmann	01.01.2010 - 31.12.2011	4.500,00
2	CLUSTER - OH Allgemein	CLUSTER Overhead Allgemein	DFG	Prof. Herzig	01.01.2007 - 31.10.2011	906.750,00
3	DFG Programm-Pauschale	DFG Programmpauschale für Sachbeihilfen 20 %	DFG	Prof. Herzig	01.01.2008 -	463.439,00
4	Lake Van (Turkey) Schm 250/87-1	Zusatzbewilligung zu: Impact of long-term explosive volcanism from Nemrut and Süphan volcanoes on the compositional, temporal, dynamic and paleoclimatic evolution of Lake Van (Turkey)	DFG	Prof. Schmincke	01.02.2011 - 31.03.2013	14.015,00
5	Lake Van (Turkey) Schm 250/87-1	Impact of long-term explosive volcanism from Nemrut and Süphan volcanoes on the compositional, temporal, dynamic and paleoclimatic evolution of Lake Van (Turkey)	DFG	Prof. Schmincke	01.04.2010 - 31.03.2012	185.370,00
6	MAAR Vulkane Schm 250/88-1	Externe vs. Interne Forcing Mechanismen bei der Entstehung von Maar Vulkanen	DFG	Prof. Schmincke	01.06.2011 - 31.05.2012	13.754,00
7	Masterstudiengang China CHN 05/Q18	Durchführung eines gemeinsamen Masterstudienganges Meereswissenschaften unter Beteiligung der Univ. Kiel und Bremen in Deutschland und der Oecan University of China, Qingdao	BMBF	Prof. Herzig	01.01.2010 - 30.09.2011	259.905,00
8	HGF-CV-Station 03F0649A	HGF-Ozean-Observatorium und Meeresforschungsstation auf den Kapverdischen Inseln	BMBF	Prof. Körtzinger	01.12.2011 - 30.06.2012	883.819,00
9	ROVADAPT 03G0823A	ROVADAPT: Anpassung, Erprobung und wissenschaftlicher Einsatz deutscher Tieftauchroboter auf britischen Forschungsschiffen	BMBF	Dr. Abegg	01.10.2011 - 31.12.2011	731.728,00
10	JIBA -Energieprojekt	Integration of FTG and reflecton seismic data in exissting joint inversin algorithm tomography, gravity and MT data	IPP	Dr. Jegen	01.01.2008 - 31.01.2011	741.900,00
11	Geohazard Turkmenistan	Joint German-Turkmen Project, Monitoring Geohazard such as the Activity of Mud Volcanoes at the Eastern Margin of the Caspian Sea, Turkmenistan	Sonstige Energie-Pr.	Dr. Brückmann	01.10.2011 - 30.09.2014	1.146.000,00
12	Azerbaijan Transition Zone	New Methodologies for the Assessment of Hydrocarbon Potential in a high-risk area-"Transition Zone", Offshore Azerbaijan	Sonstige Energie-Pr.	Dr. Schmidt	15.12.2011 - 31.12.2012	234.200,00
13	JAGO	Einnahmen aus Vercharterung JAGO	JAGO	Dr. Hissmann	01.07.2006 - 31.12.2049	198.000,00
14	Gastforscheraufenthalt	Förderung im Rahmen der Exzellenz-Initiative der Prof. Dr. Werner Petersen-Stiftung von renomierten Wissenschaftlern	Sonstige	Prof. Herzig	01.01.2011 - 31.12.2011	60.000,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget [1]
15	MANAFA	ATLANTIS II exploration support for DFI-MANAFA	Sonstige - Privat	Dr. Brückmann	01.12.2010 - 30.11.2011	102.576,00
16	KIWIZ-Ausstellung	Ausstellung über das KIWIZ auf den Münchner Wissenschaftstagen	Sonstige	Dr. Hoffmann-Wieck	01.10.2011 - 31.12.2011	3.500,00
17	Schülerprojekt 50158	Schüler entwickeln Ausstellungsmodule zum Thema Ozean und Flachmeer/Atlantik und Ostsee	Sonstige	Dr. Hoffmann-Wieck	01.02.2011 - 30.06.2011	5.419,00
18	Allgem. Forschungstätigkeiten	Unterstützung Wissenschafler	Sonstige	Prof. Herzig	01.01.2006 - 31.12.2049	12.000,00
19	private Vercharterung AUV	Vercharterung AUV / Privat	Sonstige - Privat	Dr. Lackschewitz	01.01.2010 -	514.039,94
20	JEDDAH TP 5	The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean. Ziel: die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen.	Sonstige	Dr. Brückmann	01.01.2011 - 30.06.2013	1.408.541,67
21	JEDDAH TP 6	The Jeddah Transect - From coastal zone to deep rift basin: an integrated view of the geology, ecology, resources and biology of an infant ocean. Ziel: die geologischen, ökologischen, biologischen Aspekte eines entstehenden Ozeans zu untersuchen.	Sonstige	Dr. Brückmann	01.01.2011 - 30.06.2013	288.310,01
22	Vercharterung AUV	Vercharterung AUV	Sonstige	Dr. Lackschewitz	01.01.2010 -	431.514,01
						8.609.280,63

[1] Total Budget over the complete funding period

4. Ship Statistics & Expeditions

Table 4.1: Partners on IFM-GEOMAR research vessels, 2007-2011

Pool partners are the AWI, the University of Hamburg and the IOW; national partners are all other public research institutes; barter cruises within the 'Tripartite Agreement' (NERC, IFREMER, NIOZ, CSIC, IMR), with the FWG, and on "LITTORINA" within the technical agreement with 3L-ELAC (since 2003). Student courses of Kiel University, CAU; days for mobilisation and demobilisation included in total ship days; maintenance and shipyard separately

Ship	User	Days				
		2007	**2008**	**2009**	**2010**	**2011**
"POSEIDON"	IFM-GEOMAR	68	35	123	110	69
	Kiel University	0	11	0	0	0
	Pool partners	122	104	97	36	131
	National partners	0	59	0	77	0
	Barter cruises	11	0	0	0	0
	Charter days at sea	20	19	0	0	45
	Student courses CAU	0	10	0	0	0
	Transfer cruises	36	31	15	30	31
	Mob/demob	35	34	37	43	32
	Total ship days	**292**	**305**	**272**	**297**	**308**
	Maintenance	56	54	80	51	49
	Days off	17	9	13	3	8
"ALKOR"	IFM-GEOMAR	95	152	123	100	108
	Kiel University	0	0	2	14	0
	Pool partners	56	64	112	64	81
	National partners	0	10	0	11	0
	Barter cruises	0	0	0	0	0
	Charter days at sea	48	23	0	0	3
	Student courses CAU	36	20	6	10	37
	Transfer cruises	4	2	5	2	7
	Mob/demob	33	40	52	29	40
	Total ship days	**269**	**311**	**300**	**230**	**276**
	Maintenance	59	36	50	125	57
	Days off	34	19	15	10	32

Ship	User	Days				
		2007	**2008**	**2009**	**2010**	**2011**
"LITTORINA"	IFM-GEOMAR	23	91	61	53	54
	Kiel University	63	57	98	58	76
	Pool partners	0	0	4	3	0
	National partners	0	0	0	5	3
	Barter cruises	8	9	14	0	6
	Charter days	0	0	0	0	0
	Student courses CAU	14	34	15	42	34
	Mob/demob	9	22	44	3	22
	Total ship days	**117**	**213**	**236**	**164**	**194**
	Maintenance	37	38	18	49	41
	Days off	211	115	111	125	130
"POLARFUCHS"	IFM-GEOMAR	182	156	163	116	149
	Kiel University	15	12	28	18	9
	Pool partners	4	0	0	0	0
	National partners	5	9	0	5	3
	Barter cruises	0	3	2	0	2
	Charter days	0	0	0	0	0
	Student courses CAU	5	5	5	0	0
	Total ship days	**211**	**185**	**198**	**139**	**163**
	Maintenance	22	63	21	31	32
	Days off	132	118	146	132	170

Table 4.2: Major expeditions 2011

Ship	Date	Region	Project	PI
POSEIDON	13.01. - 31.01.2011	Atlantis II Tief	JEDDAH	C. Devey
POSEIDON	03.02. - 20.02.2011	Atlantis II Tief	JEDDAH	M. Schmidt
POSEIDON	23.02. - 03.03.2011	Zentrales u. nördl. Rotes Meer	JEDDAH	U. Sommer
SONNE	09.03. - 22.04.2011	„Hikkurangi Margin" östl. Neuseeland	NEMESYS	J. Bialas
MERIAN	10.03. - 12.04.2011	NW-Afrika	SFB 754	Pfannkuche
ALUCIA with **AUV ABYSS**	18.03. - 23.04.2011	Äquatorialer Atlantik	Suche nach AF447	M. Purcell (WHOI)
GARCIA DEL CID with **JAGO**	31.03. - 14.04.2011	Meerenge zw. Mallorca u. Menorca	EU-Projekt LIFE INDEMARES	J.-M. Gili (CMIMA-CSIC)
ALKOR	08.04. - 21.04.2011	Ostsee	AQUASHIFT, EPOCA	T. Reusch
METEOR	05.04. - 28.04.2011	Mittelmeer	MED-REPEAT	T. Tanuha
POSEIDON	19.04. - 07.05.2011	Tyrrhenisches Meer		S. Petersen
MERIAN	11.05. - 19.06.2011	Äquatorialer Atlantik	BMBF NORDATLANTIK, SOPRAN, SFB 754	P. Brandt
MERIAN	22.06. - 21.07.2011	Äquatorialer Atlantik	BMBF NORDATLANTIK, SOPRAN, SFB 754	A. Körtzinger
METEOR	31.05. - 21.06.2011	Biscaya	TransBiscay	S. Flögel
POLARSTERN with **ROV Kiel 6000**	13.07. - 03.08.2011	Framstraße		M. Klages (AWI)
METEOR	05.08. - 25.08.2011	Nordatlantik	BMBF NORDATLANTIK, THOR, EUROSITES	J. Karstensen, D. Quadfasel
POSEIDON	10.08. - 02.09.2011	Westlich Spitzbergen	EU-FP7 HERMIONE, ExCel Clust. Future Ocean	O. Pfannkuche
POSEIDON with **JAGO**	05.09. - 30.09.2011	Schelf westl. Norwegen	BIOACID	U. Riebesell
James Cook with **ROV Kiel 6000**	07.11. - 21.12.2011	Südwestl. Indik		J. Copley (NOC)

Ship	Date	Region	Project	PI
MERIAN	02.12. - 22.12.2011	Südatlantik	AGULHAS-Rückenprojekt	R. Werner

Table 4.3: Days used by IFM-GEOMAR (chief scientists) on Global Ocean Research Vessels

A total of 29 cruise days on MERIAN were cancelled due to technical until 2008; they are partly replaced by charter days on ATALANTE in 2007 (1 leg, 30 days) and in 2008 (3 legs, 71 days).

Research Vessel	Ship days used by IFM-GEOMAR					
	2006	2007	2008	2009	2010	2011
POLARSTERN	0	24	32	76	74	0
METEOR	96	33	39	173	118	76
SONNE	51	140	93	99	114	44
MERIAN plan / conducted	80/80	104/32	80 / 51	0	81	122
Barter Ships	0	40	60	0	0	13
Charter Ships plan / conducted	0	0 / 30	0 / 71	0	12	0
Sum	**227**	**341 / 299**	**304 / 346**	**348**	**399**	**255**

5. Publications

5.1 Books (Authorship)

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5.2 Books (Editorship)

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5.3 Book contributions

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5.4 Peer-reviewed Articles

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Ibenthal, Miriam, 2011: Geochemische Verteilungsmuster rezenter Sedimente im Ochotskischen Meer und der Beringsee. Bachelorarbeit, Christian-Albrechts-Universität, Kiel, 50 pp

Kemena, Tronje P., 2011: Analyse von zonalen Oberflächenströmungen im äquatorialen Atlantik aus Lagrange'schen Driftern und aus Altimetrie. Bachelorarbeit, Christian-Albrechts-Universität, Kiel, Germany, 38 pp

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Nowatzki, Eva, 2011: Mesoskalige und submesoskalige Sauerstoffvariabilität nördlich der Kapverdischen Inseln. Bachelorarbeit, Christian-Albrechts-Universität, Kiel, 40 pp

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Storr, Melanie, 2011: Untersuchungen der Bildung von Methan aus DMSP. Bachelorarbeit, Universität Kiel, 48 pp

Vogel, Bendix, 2011: Zusammenspiel der mit der meridionalen Umwälzzirkulation assoziierten Strömungskomponenten im subtropischen Nordatlantik. Bachelorarbeit, Christian-Albrechts-Universität, Kiel, 41 pp

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Master thesis

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Grün, Matthias, 2011: Sublacustrine landslides and associated hazards along the Western Slope of Lake Ohrid (Macedonia/Albania). Masterarbeit, Christian-Albrechts-Universität zu Kiel, Kiel, 111 pp

Karstens, Jens, 2011: 3D seismic interpretation of volcanic mass wasting deposits offshore Montserrat. Masterarbeit, Christian-Albrechts-Universität, Kiel, 63 pp

Keller, Isabel, 2011: How hosts cope with a major threat in the ocean: Pipefish - Vibrio immunological and genotypic interactions. Masterarbeit, Christian-Albrechts-Universität, Kiel, 73 pp

Kunz, Anna Lena, 2011: Nachweis der Phenazin-Produktion in marinen Bakterien. Masterarbeit, Christian-Albrechts-Universität, Kiel, 113 pp

Lopez-Lopez, Lucia, 2011: Plankton Variability in the Mediterranean Sea. Insights from Crustacean and Gelatinous Zooplankton. Masterarbeit, Christian-Albrechts-Universität, Kiel, 92 pp

Zieringer, Moritz, 2011: The Hafnium and Neodymium isotopic composition of surface waters in the tropical Atlantic Ocean. Masterarbeit, Christian-Albrechts-Universität, Kiel, 50 pp

Diploma thesis

Boxhammer, Tim, 2011: Impact of ocean acidification on export and composition of sedimenting material in an Arctic offshore mesocosm study. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 77 pp

Brase, Lisa, 2011: Einfluss des Lichtregimes auf die Fraßanfälligkeit von Makroalgen. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 63 pp

Casties, Isabel, 2011: Effects of elevated seawater pCO_2 on the blue mussel Mytilus edulis. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 58 pp

Claus, Martin, 2011: The Gulf Stream Extension Region: Its dynamics and interaction with the atmosphere. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 65 pp

Doering, Kristin, 2011: Surface and deep-water hydrographic conditions over the last 18.000 years from the Peru coast based on $\delta^{18}O$ and Mg/Ca ratios of *Globogerinoides ruber* and *Uvigerina peregrina*. Diplomarbeit, Christian-Albrechts-Universität zu Kiel, Kiel, **xx** pp

Dürkefälden, Antje, 2011: Multi-stage evolution of primitive alkaline rocks from submarine volcanic cones on the north and southwest flanks of Fogo, Cape Verde Archipelago. Diplomarbeit, Christian-Albrechts-Universität zu Kiel, Kiel, 93 pp

Fuhlbruegge, Steffen, 2011: Analysis of atmospheric VSLS measurements during the DRIVE campaign in the tropical East Atlantic. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 87 pp

Hansen, Julian, 2011: Untersuchung der präeruptiven Magmenentwicklung an Schmelzeinschlüssen des phonolitischen seamounts Cadamosto - Kap Verden. Diplomarbeit, Christian-Albrechts-Universität zu Kiel, Kiel, 68 pp

Harlaß, Jan, 2011: Einfluss des arktischen Meereises auf das Klima der Nordhemisphäre. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 101 pp

Irion, Ines, 2011: Tektonische und stratigraphische Untersuchungen im Gebiet Piz Malat und Piz Mezzaun. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 57 pp

Kabus, Chantal, 2011: Mate choice in a sex-role reversed pipefish *Syngnathus typhle*. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 64 pp

Klostermann, Lars, 2011: Hydrography and stable isotopes (oxygen, carbon) in water masses off Peru and Ecuador. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 49 pp

Kraft, Helene Anja, 2011: Lokalbebenanalyse am aktiven Kontinentalrand Südamerikas zwischen 34°S und 36°S. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 90 pp

Lübben, Alexander, 2011: Quantifying regional methane emissions of the Batumi seep area in the eastern Black Sea. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 120 pp

Mauer, Jan, 2011: Beschreibung der mesoskaligen Verteilung ausgewählter planktivorer Fischarten mit Hilfe von hydrografischen und ökologischen Parametern in der Deutschen Bucht. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 74 pp

Miteva, Marieta, 2011: Kräftebilanz des äquatorialen Unterstroms im zentralen Atlantik bei 23°W. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 36 pp

Ossenbrügger, Holger, 2011: Distribution of Pelagic Gastropods in the Eastern Atlantic Ocean. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 154 pp

Poggemann, David-Willem, 2011: Tektonische und stratigraphische Untersuchungen im Gebiet Munt Müsella und Piz Mezzaun. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 56 pp

Reichert, Patrick, 2011: Tektonische und stratigraphische Untersuchungen im Gebiet Il Corn und Munt Olivet. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 55 pp

Schindlbeck, Julie Christin, 2011: Tektonische und stratigraphische Untersuchungen im Gebiet Munt Seja und Piz Mezzaun. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 55 pp

Schultz, Hendrik, 2011: Recent population divergence of Alaskan three-spined sticklebacks. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 66 pp

Schweers, Johanna, 2011: Characterisation of biogeochemical processes in methane-containing sediments of the Beaufort Sea (Arctic Ocean). Diplomarbeit, Christian-Albrechts-Universität, Kiel, 72 pp

Sollfrank, Nicole, 2011: The combined effect of variable food supply and elevated CO_2 partial pressure on feeding and calcification rates of the Mediterranean cold-water coral. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 104 pp

Stiebens, Victor Alexander, 2011: Population genetics and mating strategies of the Loggerhead Sea Turtle (*Caretta caretta*) in Cape Verde. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 77 pp

Stöven,Tim, 2011: Ventilation Processes of the Mediterranean Sea based on CFC-12 and SF6 measurements. Diplomarbeit, Universität Kiel, 152 pp.

Striberny, Anja, 2011: Feeding of Calanus finmarchicus on the microplankton assembalge in the Trondheimsfjord. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 41 pp

Struve, Torben, 2011: Late Quaternary water mass mixing in the Arctic Gateway - Evidence from radiogenic isotopes. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 74 pp

Syre, Stefanie, 2011: Calcification, growth and shell microstructure in a *Mytilus galloprovincialis* population from Australia in response to elevated pCO_2 and temperature. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 68 pp

Vardeh, David, 2011: Biogeochemical processes at marine whale falls and methane seeps. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 74 pp

Vogel, Sandra, 2011: Can parasites mediate sympatric speciation through their hosts‘s MHC genes? Example of the three-spined stickleback from Iceland. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 72 pp

von Bechtolsheim, Florian, 2011: Do native and non-native populations of marine coastal molluscs differ in tolerance to abiotic stress? Experimental comparisons between biogeographic regions. GAME Ko-Betreuung Diplomarbeit, Uni Mainz, 97pp

Wrona, Thilo, 2011: Analysis of the comparability of two 3D seismic data sets acquired at Hydrate Ridge, offshore Oregon. Diplomarbeit, Christian-Albrechts-Universität, Kiel, 70 pp

Doctoral thesis/PhD

Baars, Oliver, 2011: Distribution and speciation of zinc,cadmium and cobalt in the Southern Ocean. Dissertation, Christian-Albrechts-Universität, Kiel, 151 pp

Fischer, Tim, 2011: Diapycnal diffusivity and transport of matter in the open ocean estimated from underway acoustic profiling and microstructure profiling. Dissertation, Christian-Albrechts-Universität, Kiel, 105 pp

Form, Armin, 2011: Influence of Anthropogenic Climate Change on the Ecophysiology of the Cold Water Coral *Lophelia pertusa*. Dissertation, Universität Kiel, 218 pp.

Geersen, Jacob Matthias, 2011: Structure and neotectonics of the Southern Chile forearc. Dissertation, Christian-Albrechts-Universität zu Kiel, Kiel, 73 pp

Goecke, Franz Ronald, 2011: Associations between microbes and macroalgae: Host, epiphyte and environmental factors. Dissertation, Christian-Albrechts-Universität, Kiel, 149 pp

Gärtner, Andrea, 2011: Isolation and characterization of bacteria from the deep-sea and their potential to produce bioactive natural products. Dissertation, Christian-Albrechts-Universität, Kiel, 144 pp

Harbers, Almuth Thea Elisabeth, 2011: Habitats and chemical characteristics of planktonic foraminifera in the Atlantic Ocean. Dissertation, Christian-Albrechts-Universität, Kiel, VIII, 76, 105 pp

Harders, Rieka, 2011: Submarine mass wasting processes along the continental slope of the Middle American Trench. Dissertation, Christian-Albrechts-Universität zu Kiel, Kiel, 128 pp

Haslob, Holger, 2011: Reproductive ecology of Baltic sprat and its application in stock assessment. Dissertation, Christian-Albrechts-Universität, Kiel, 133 pp

Heindl, Herwig, 2011: Antimicrobially active microorganisms associated with marine bryozoans. Dissertation, Christian-Albrechts-Universität, Kiel, 108 pp

Heinemann, Agnes, 2011: The suitability of Mytilus edulis as proxy archive and its response to ocean acidification. Dissertation, Christian-Albrechts-Universität, Kiel, VII, 133 S. pp

Hieronymi, Martin, 2011: Solar radiative transfer into the ocean: A study on underwater light fluctuations due to surface waves. Dissertation, Christian-Albrechts-Universität, Kiel, 103 pp

Hu, Marian Yong-An, 2011: Mechanistic studies on the physiology of CO_2 tolerance in cephalopods. Dissertation, Christian-Albrechts-Universität, Kiel, 201 pp

Jurkschat-Suiting, Ines, 2011: Internal vs. external forcing of shallow marine diatremes: a case study from the Iblean Mountains (SE-Sicily, Central Mediterranean). Dissertation, Christian-Albrechts-Universität, Kiel, V, 80 pp

Kalisch, John, 2011: Der Einfluss von Wolken auf den Strahlungsantrieb der Erde. Dissertation,

Christian-Albrechts-Universität, Kiel, 147 pp

Karaca, Deniz, 2011: Quantification of methane fluxes and authigenic carbonate formation at cold seeps along the continental margin offshore Costa Rica: A numerical modeling approach. Dissertation, Christian-Albrechts-Universität zu Kiel, Kiel, 116 pp

Keil, Katharina, 2011: Adaptation to contrasting habitats and heterozygosity-fitness correlations in eelgrass (*Zostera marina*). Dissertation, Christian-Albrechts-Universität, Kiel, 112 pp

Kock, Annette, 2011: N_2O and hydroxylamine in the eastern tropical Atlantic and Pacific Oceans. Dissertation, Christian-Albrechts-Universität, Kiel, 142 pp

Krabbenhöft, André, 2011: Stable Strontium Isotope ($\delta^{88/86}Sr$) Fractionation in the Marine Realm: A Pilot Study. Dissertation, Christian-Albrechts-Universität, Kiel, X, 128 pp

Lewandowska, Aleksandra, 2011: Effects of warming on the phytoplankton succession and trophic interactions. Dissertation, Christian-Albrechts-Universität, Kiel, 89 pp

Marohn, Lasse, 2011: Microchemical analyses of otoliths in Baltic Sea fish - Possibilities and limitations of otolith elemental analysis to describe individual life history and stock characteristics of fish in the Baltic Sea. Dissertation, Christian-Albrechts-Universität, Kiel, 129 pp

Moscoso, Eduardo, 2011: Seismic structure off- and onshore Maule, constraints for megathrust earthquakes in central Chile. Dissertation, Christian-Albrechts-Universität, Kiel, 119 pp

Olgun, Nazli, 2011: Impacts of airborne volcanic ash on the surface ocean biogeochemistry and marine ecosystems. Dissertation, Christian-Albrechts-Universität, Kiel, 178 pp

Prowe, Friederike, 2011: Effects of the feeding functional response on phytoplankton diversity and ecosystem functioning in ecosystem models. Dissertation, Universität Kiel, 188 pp.

Raddatz, Jacek, 2011: Origin, growth and demise of cold-water coral mound Challenger (IODP Site 1317). Dissertation, Christian-Albrechts-Universität, Kiel, 137 pp

Ryabenko, Evgeniya, 2011: Nitrogen isotopes in the Atlantic and Pacific oxygen minimum zones. Dissertation, Christian-Albrechts-Universität, Kiel, 130 pp

Saha, Mahasweta, 2011: Antisettlement defence of Fucus vesiculosus. Chemistry and Ecology. Dissertation, Christian-Albrechts-Universität, Kiel, 140 pp

Schaber, Matthias, 2011: Small to meso-scale distribution of Baltic cod (Gadus morhua L.) as resolved by hydroacoustics: Habitat preferences, environmental limits, and resulting implications for stock development. Dissertation, Christian-Albrechts-Universität, Kiel, 127 pp

Schneemann, Imke, 2011: Nachweis von Biosynthesegenen des bakteriellen Sekundärstoffwechsels sowie Isolierung und Strukturaufklärung von Naturstoffen aus ausgewählten Actinomyceten. Dissertation, Christian-Albrechts-Universität, Kiel, 198 pp

Schneider, Anke, 2011: Anthropogener Kohlenstoff im Mittelmeer und im tropischen Atlantik. Dissertation, Christian-Albrechts-Universität, Kiel, 104 pp

Schröder, Jan, 2011: Potential and limitations of ozone in marine recirculating aquaculture systems - Guidelines and thresholds for a safe application. Dissertation, Christian-Albrechts-Universität, Kiel, 99 pp

Stichel, Torben, 2011: Tracing water masses and continental weathering by neodymium and hafnium isotopes in the Atlantic sector of the Southern Ocean. Dissertation, Christian-Albrechts-Universität, Kiel, 129 pp

Stumpf, Roland, 2011: Late Quaternary variability of hydrography and weathering inputs on the SW Iberian shelf from clay minerals and the radiogenic isotopes of neodymium, strontium and lead. Dissertation, Christian-Albrechts-Universität, Kiel, 106 pp

Stumpp, Meike, 2011: Mechanismen der CO_2 Toleranz bei Seeigeln des *Genus Strongylocentrotus* = Mechanisms of CO_2 tolerance in sea urchins of the genus Strongylocentrotus. Dissertation, Christian-Albrechts-Universität, Kiel, 299 pp

Werner, Kirstin, 2011: Holocene variability of surface and seep water advection to the Arctic Ocean - a multiproxy perspective from the eastern Fram Strait. Dissertation, Christian-Albrechts-Universität, Kiel, 150 pp

Worzewski, Tamara W. D., 2011: Marine magnetotellurics on a continental margin: imaging the hydration and dehydration cycle of the Costa Rican subduction zone. Dissertation, Christian-Albrechts-Universität, Kiel, IX, 162 S. pp

Habilitation

Asmus, Harald, 2011: Functioning of Intertidal Ecosystems of the Wadden Sea. (Professorial dissertation), Christian-Albrechts-Universität, Kiel, 209 pp

Winder, Monika, 2011: Climate forcing at the base of the aquatic food web. (Professorial dissertation), Christian-Albrechts-Universität, Kiel, 303 pp

Student research project

Opitz, Sebastian, 2011: Vergleichende Untersuchungen über den Einfluss von erhöhtem Seewasser pCO_2 auf den gemeinen Seestern *Asterias rubens* L. in der Ostsee. (Student research project), Christian-Albrechts-Universität, Kiel, 113 pp

Extern betreute Arbeiten

Birrer, Simone, 2011: How salinity affects the pipefish-Vibrio interaction. Masterarbeit, Swiss Federal Institute of Technology, Zürich, Switzerland, 66 pp

Appendices

Brenneke, Dennis, 2011: Effects of hypercapnia on growth of the green sea urchin, *Strongylocentrotus droebachiensis*. Bachelorarbeit, Universität Rostock, Rostock, 46 pp.

Filippova, Alexandra, 2011: Tracing Holocene weathering input into the Kara Sea with radiogenic isotopes (Sr and Nd). Masterarbeit, Universität Hamburg, Hamburg, 72 pp

Glockzin, Juliane, 2011: Isolierung und Charakterisierung einer Kollagenase aus einem marinen Bakterium für biotechnologische und ökologische Fragestellungen. Masterarbeit, FH Neubrandenburg, Neubrandenburg, 53 pp

Huhn, Mareike, 2011: Population-specific Survival during Exposure to Hypoxia and Heat: Global Change Increases Stress Tolerance of the Asian Green Mussel (*Perna viridis*). Diplomarbeit, Julius-Maximilians-Universität , Würzburg, 67 pp

Jacob, Juliane, 2011: The effects of biofilms associated with the surface of the brown macroalga *Fucus vesiculosus* on macrofoulers. Bachelorarbeit, Universität Bonn, Bonn, 25 pp.

Keitel, Jonas, 2011: The native and the invasive: two muricid gastropods in the face of environmental stress in Akkeshi, North Japan. An interspecific comparison in stress tolerance. Diplomarbeit, Universität Potsdam, Potsdam, 52 pp

Müller, Rebecca, 2011: Responses of Tropical Macroalgae to Environmental Fluctuations. Diplomarbeit, Universität Rostock, Rostock, 82 pp

Nickelsen, Levin, 2011: A model-based investigation of iron limitation of marine phytoplankton in High-Nutrient Low-Chlorophyll regions. Master thesis, Carl von Ossietzky-Universität Oldenburg, 73 pp.

Pansch, Andreas, 2011: Tolerance towards abiotic stress in marine benthic species - Comparing native and invasive populations of *Crassostrea gigas*, *Ciona intestinalis* and *Codium fragile*. Diplomarbeit, Ernst-Moritz-Arndt Universität, Greifswald, 110 pp

Piller, Inga, 2011: Simultane Messung von N_2O und CO_2 im Oberflächenwasser – Charakterisierung der Methode. Diplomarbeit, Universität Hamburg, 80 pp**.**

Raraswati, Imbarini, 2011: Effect of light variability on native species *Fucus vesiculosus* and invasive species *Gracilaria vermiculophylla* in Burton Bay, Virginia. GAME Ko-Betreuung, Masterarbeit, Universität Bremen, 51 pp.

Schubert, Sophia, 2011: Stress response of native and invasive populations of intertidal invertebrates from the North Atlantic: an intraspecific comparison. Diplomarbeit, Universität Bremen, Bremen, 80 pp.

Schwenke, Theresa, 2011: Inductive chemical and mechanical defense in *Fucus vesiculosus* against her-bivory – an analogy between East and West Atlantic populations?. Bachelorarbeit, Humboldt-Universität zu Berlin, Berlin, 38 pp

6. Scientific & Public Presentations

6.1 Invited Presentations

Bange, H. W., 2011: Marine nitrous oxide and global change. Nitrogen and Global Change Conference, Edinburgh, UK, 14.04.2011.

Bange, H. W., 2011: Nitrous oxide in the ocean. Theo Murphy International Scientific Meeting on 'Nitrous oxide, the forgotten greenhouse gas'. The Kavli Royal Society International Centre, Chicheley Hall, UK, 23.05.2011.

Bange, H. W., **Kock, A.**, and **Zindler, C.**, 2011: Trace gas (N_2O, CH_4, DMS) measurements at the Boknis Eck Time Series Station (Eckernförde Bay, SW Baltic Sea). The Baltic Sea Science Congress, St. Petersburg, Russia, 25.08.2011.

Bange, H. W., 2011: Trace gases (N_2O, CH_4, DMS) in the Ocean. 1st Sino-German Workshop on Marine Observation, Forecasting, and Utilization over the next Decade, Ocean University of China, Qingdao, China, 08.11.2011.

Bauch, H. A., 2011: The AMOC's role during past Interglacials. Seminar, Niels Bohr Institute, Centre for Ice and Climate, University of Copenhagen, Copenhagen, Denmark, 11.11.2011.

Bauch, H. A., 2011: Subsurface injections of Atlantic water into the Nordic Seas during deglaciations as trigger for early ice-sheet decay?. Seminar, College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, Corvalllis, Oregon, USA, 04.11.2011.

Böttger-Schnack, R., 2011: Marine Plankton II: Introduction to Non-calanoid Copepods. Pre-Conference Training Workshop on Morphology and Systematics of Copepods, Chetunal, Quintana Roo, Mexico, 05.07.2011.

Bröckel, K. von, **Czerny, J.**, and **Büdenbender, J**., 2011: KOSMOS – Kiel Off-Shore Mesocosms for Oceanographic Studies Technical Details. MESOAQUA PhD course "Mesocosms in aquatic ecology: use, problems and potentials", Kiel, 29.08.-02.09.2011.

Büdenbender, J., 2011: Coralline red algae calcification. Seminar series on the mechanisms of biomineralization, Kiel, 28.02.2011.

Büdenbender, J., **Riebesell, U**., and the Bergen KOSMOS team: Ocean acidification effects on North Atlantic pteropods during the Bergen KOSMOS Experiment 2011. BIOACID Annual Meeting 2011, Bremen, 26.-30.09.2011.

Dengler, M., 2011: New Insights on the Atlantis II Brine Pool from Microstructure Temperature Observations. Red Sea Research Center Symposium, Thuwal, Saudi Arabia, 09.-11.04.2011.

Dullo, W. C., 2011: Klima: Wie war es, wie ist es, wohin geht es? Worin liegt unsere Verantwortung für einen nachhaltigen Umgang mit der Erde? Humboldt-Kolleg: West-Östlicher Dialog in Wissenschaft und Kultur, Goethe-Institut Seoul, Seoul, Korea, 23.09.2011.

Dullo, W. C., 2011: Was wissen coralline Schwämme und Kalkalgen über das Klima? Festvortrag anläßlich der Verabschiedung von Prof. Dr. Baba Senowbari-Daryan. Festkolloquium an der Universität zu Erlangen, Erlangen, 28.01.2011.

Eisenhauer A., 2011: Strontium isotope fractionation and its application in Earth system sciences, Goldschmidt Conference 2011, Prague, Czech Republic, 14-19.08.2011.

Eisenhauer A., 2011: Isotope Fractionation of Alkaline Earth elements and their application in Earth Sciences, Geokolloquium Universität Jena, Jena, 21.11.2011

Eizaguirre, C., 2011: Adaptive frequency shifts maintain standing genetic variation at MHC genes. Socio-Environmental Dynamics over the Last 12,000 Years: The Creation of Landscapes II. Human development and landscapes, Kiel, 03.2011.

Engel, A., Borchard, C., Bellerby, R., **Klavsen, S.**, Piontek, J., **Riebesell, U.** and **Schulz, K.**, 2011: Sensitivity of DOC production to pCO_2 in arctic pelagic communities: Insights from the 2010 Svalbard mesocosm study. EPOCA Third Annual Meeting, Royal Academy of Belgium for Science and the Arts, Brussels, Belgium, 09.-13.05.2011.

Fleischer, D., 2011: A path to filled archives - how bumpy is it going to be? eSciDoc Days 2011, Harnack Hause Max-Planck Gesellschaft, Berlin, 26.-27.10.2011.

Form, A., and **Riebesell, U**., 2011: Coping with ocean acidification during long-term exposure in the cold-water coral *Lophelia pertusa*. EGU General Assemby 2011, Vienna, Austria, 03.-08.04.2011.

Frank, M., 2011: Cosmogenic nuclides in marine archives as tracers in paleoceanography and paleoclimatology. ESF-LFUI Conference on Cosmogenic Nuclides, Obergurgl, Austria, 08.-13.08.2011.

Frank, M., 2011: Klima- und Ozeanwandel im Laufe der Erdgeschichte – Der Meeresboden erzählt. Vortrag im Rahmen der Klimaschutzwochen der Stadtwerke Bremen, Bremerhaven, 20.09.2011.

Frank, M., 2011: Klima- und Ozeanwandel im Laufe der Erdgeschichte – Der Meeresboden erzählt. Vortrag im Rahmen der Klimaschutzwochen der Stadtwerke Bremen, Bremen, 21.09.2011.

Frank, M., 2011: Tracing present and past ocean circulation and continental weathering with radiogenic isotopes. Seminarvortrag Xiamen University, Xiamen, China, 05.09.2011.

Froese, R., 2011: Fischdiversität limnischer und mariner Ökosysteme. 8. Tagung der Gesellschaft für Ichthyologie, Frankfurt, 31.08.-03.09.2011.

Froese, R., 2011: Pathways towards sustainable and profitable fisheries. Fisheries Centre Seminar,

University of British Columbia, Vancouver, British Columbia, Canada, 08.03.2011.

Froese, R., 2011: Proper Implementation of the MSY-Concept in the CFP. A Hearing in the European Parliament, Brussels, Belgium, 30.11.2011.

Froese, R., 2011: Simple approaches to data-poor stock assessment. Aligning New Assessment Strategies, Troutdale, Oregon, USA, 09.-10.03.2011.

Froese, R., 2011: Towards healthy stocks and healthy profits in Baltic fisheries. European Maritime Day Conference, Gdansk, Poland, 19.-20.05.2011.

Froese, R., 2011: Towards healthy stocks and healthy profits in European fisheries. Expert panel at the Hearing „How much fish can be safely caught" at the European Parliament, Brussels, Belgium, 03.05.2011.

Froese, R., 2011: Winners and Losers in the Future Ocean: Insights from Millions of Samples. EDIT Symposium, Paris, France, 18.01.2011.

Getzlaff, K., **Lehmann, A.** and **Hinrichsen, H.-H**., 2011: The response of the Baltic Sea to climate variability. 8th Baltic Sea Science Congress, St. Petersburg, Russia, 23.08.2011.

Haeckel M., 2011: Natürliche Gashydrate – Zukünftige Energiequelle der Zukunft und CCS-Option?. MARICUBE „egeb: Forum Energie", Brunsbüttel, 02.12.2011.

Hauss, H., **Franz, J.** and **Sommer, U.**, 2011: Virtues and Vices of shipboard mesocosms in simulating upwelling events. MESOAQUA PhD Course/Workshop, IFM-GEOMAR, Kiel, 29.08.-02.09.2011.

Hoernle, K., 2011: Petrology/Geochemistry of the Galapagos Hotspot and Hotspot-Ridge Interaction. Chapman Conference on The Galápagos as a Laboratory for the Earth Sciences, Puerto Ayora, Galápagos, Ecuador, 25.-30.07.2011.

Iyer, K., **Ruepke, L.**, Phipps Morgan, J. and **Grevemeyer, I.**, 2011: Hydration of ultramafic rocks: a numerical perspective. 8. International Workshop on Water Dynamics, Sendai, Japan, 08.-10.03.2011.

Keenlyside, N. S. and **Omrani, N. E.**, 2011: Potential role of the stratosphere in Atlantic Multi-decadal Variability. 25. IUGG General Assembly Earth on the Edge: Science for a Sustainable Planet , Melbourne, Australia, 28.06.-07.07.2011.

Keenlyside, N. S. and **Omrani, N. E.**, 2011: Towards enhancing decadal prediction: Stratosphere's integral role Atlantic Multi-decadal Variability. 2011 International Conference on Climate Change, Taipei, Taiwan, 06.-07.12.2011.

Keenlyside, N. S., Reintges, A., **Omrani, N. E.**, **Ba, J.** and **Martin, T.**, 2011: Comments on decadal prediction in the Atlantic Sector. AGCI workshop: Making Sense of the multi-model decadal prediction experiments from CMIP5, Aspen, USA, 26.06.-01.07.2011.

Keller, D. and **Oschlies, A.**, 2011: Global Marine Biogeochemical Modeling and the Value of Mesocosm Data: It's Usefulness, Problems, and Potential. MESOAQUA PhD Course/Workshop, IFM-GEOMAR, Kiel, 29.08.-02.09.2011.

Kennedy, E. V., Halloran, P. R., Perry, C. T., Iglesias-Prieto, R., Carricart-Ganivet, J. P., Wisshak, M., Fine, M., **Form, A.**, Schönberg, C. H. L., Stevens, J. R., and Mumby, P. J., 2011: Balancing the carbonate budget: maintenance of positive framework growth in the Caribbean requires local and global action. 14th Reef Conservation Meeting, London, UK, 03.12.2011.

Körtzinger, A., 2011: Oxygen in the Ocean - Dynamics, Trends and New Observational Approaches. Earth Science Colloquium, Lamont-Dohery Earth Observatory, Columbia University, Palisades, USA, 29.04.2011.

Körtzinger, A., 2011: Taking the pulse of the ocean's CO_2 system. Colloquium on the occasion of the 65th birthday of Dr. Bernd Schneider, Leibniz Institute for Baltic Sea Research, Warnemünde, 13.05.2011.

Körtzinger, A., 2011: The Anthropogenically Pertubed Marine Carbon Cycle - Status, Trends, and New Observational Approaches. GDCh-Wissenschaftsforum Chemie 2011, German-Chinese Symposium 'Chemistry and Water', Bremen, 05.09.2011.

Körtzinger, A., 2011: Recent instrument and sensor developments for marine carbon observations. IOCCP Surface Ocean CO_2 Data-to-Flux Workshop, Paris, France, 13.09.2011.

Körtzinger, A., 2011: The ocean's source/sink function for CO_2 (and N_2O) - current knowledge, new approaches, future observation strategies. Cost Action 735 Final Event, Frascati, Italy, 29.11.2011.

Kopp, H., 2011: Margin segmentation along-strike and across-strike: Impact on rupture propagation and tsunamigenesis. British Geophysical Association Meeting "Controlling factors of subduction zone earthquakes", London, United Kingdom, 10.-11.02.2011.

Kopp, H., 2011: Sailing the seven seas: from seafloor images into the seismogenic zone. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Koppers, A. P., Yamazaki, T. and **Geldmacher, J.**, 2011: On the Possible Relation of the Louisville Hotspot and Ontong Java Plateau from Integrated Ocean Drilling Program Expedition 330 Results. AGU Fall Meeting 2011, San Francisco, USA, 05.-09.12.2011.

Kriest, I., 2011: Sensitivity of biogeochemical models to particle export and recycling. 3. GEOTRACES Data-Model Synergy Workshop, Barcelona, Spain, 14.-17.11.2011.

Krüger, K., 2011: Vulkane und Klima Lokale Ursache - Globale Wirkung? Wissen Schaffen Vortrag, IFM-GEOMAR, Kiel, 10.05.2011.

Körtzinger, A., 2011: The Anthropogenically Pertubed Marine Carbon Cycle Status, Trends,

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6.2 Scientific Presentations

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Wegner, C., Reigstad, M., Forest, A., Forwick, M., Frey, K., Mathis, J. T., Michel, C., Nikolopulos, A. and O'Regan, M., 2011: The Arctic in Rapid Transition (ART) Initiative : integrating priorities for Arctic marine science over the next decade. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Wehrmann, H., Halama, R., Garbe-Schönberg, D., **Hoernle, K.**, **Jacques, G.**, **Heydolph, K.**, **Mahlke, J.** and **Schumann, K.**, 2011: On the fluid-mobility of molybdenum, tungsten, and antimony in subduction systems. Goldschmidt Conference 2011, Prague, Czech Republic, 14.-19.08.2011.

Werner, K. and **Spielhagen, R. F.**, 2011: Holocene episodes of warm conditions in the eastern Fram Strait - a multiproxy perspective on the variability of Atlantic Water inflow. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Wheeler, W., Tveranger, J., Lauritzen, S. E., **Heincke, B.**, Rossi, G., Allroggen, N. and Buckley, S., 2011: Architecture of a paleokarst breccia-pipe field, Carboniferous, Svalbard. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Wiese, J., **Schulz, D.**, **Stöhr, R.**, **Nagel, K.**, **Labes, A.**, **Schneemann, I.**, **Heindl, H.**, **Jansen, N.**, **Silber, J.**, **Kramer, A.**, **Goecke, F. R.**, **Schmaljohann, R.**, **Staufenberger, T.**, **Gärtner, A.**, **Baumann, H. I.**, **Kleinschmidt, K.** and **Imhoff, J. F.**, 2011: Biologically active compounds from microorganisms derived from marine macroorganisms and marine sediments. NatPharma: Nature Aided Drug Discovery, NADD, Napoli, Italy, 05.-09.06.2011.

Williams, B., Halfar, J., **Hetzinger, S.**, Lebednik, P. A., Steneck, R. S., Adey, W. H., **Fietzke, J.** and Jacob, D., 2011: 350 years of paleoceanographic change in the Aleutian archipelago extracted from skeletons of a subarctic coralline alga. AGU Fall Meeting 2011, San Francisco, USA, 04.-09.12.2011.

Winkelmann, D. and Geissler, W., 2011: Assessing Arctic Submarine Slope Stability – Investigating the Glide Planes of the Hinlopen/Yermak Megaslide by Scientific Ocean Drilling. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Winkelmann, D., Geissler, W. and Wegener, A., 2011: Assessing Arctic Submarine Slope Stability – Investigating the Glide Planes of the Hinlopen/Yermak Megaslide by Scientific Ocean Drilling. IGCP585 - 5. International Symposium on Submarine Mass Movements and Their Consequences, Kyoto, Japan, 24.-26.10.2011.

Winkelmann, D., Jokat, W., Jensen, L. and Schenke, H. W., 2011: Dynamic Ice on the Continental Shelf of NE-Greenland – The Submarine Morphological Record. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Winkelmann, D., Jokat, W., Jensen, L. and Schenke, H. W., 2011: Dynamics of the Greenland Ice Sheet on NE-Greenland – The Submarine Morphological Record. XVIII INQUA Congress, Bern, Switzerland, 21.-27.07.2011.

Winkelmann, D., **Schwab, J.**, Strasser, M., Preu, B., Schwenck, T. and **Krastel, S.**, 2011: Large-scale submarine mass-wasting offshore Uruguay. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Yuzuru, Y., Lin , W., Usui, Y., Kanamatsu, T., Saito, S., Zhao, X., Hashimoto, Y., **Stipp, M.**, Ujiie, K. and Vannucchi, P., 2011: Preliminary results of stress and strain analyses, IODP Expedition 334, Costa Rica Seismogenesis Project (CRISP). AGU Fall Meeting 2011, San Francisco, USA, 05.-09.12.2011.

Zamora, L., **Oschlies, A.** and **Bange, H.**, 2011: Oceanic N_2O production and consumption: A comparison between observations and model data. SOPRAN Annual Meeting 2011, Heidelberg, 22.-23.03.2011.

Zantopp, R. J., **Fischer, J.**, **Nunes, N.** and **Kanzow, T.**, 2011: Toward a synthesis of overflow transports in the Labrador Sea: The Outflow at 53N. RAPID - USA MOC International Science Meeting, Bristol, UK, 12.-15.07.2011.

Zieringer, M., **Stichel, T.** and **Frank, M.**, 2011: The hafnium and neodymium isotopic composition of seawater in the tropical Atlantic Ocean. Goldschmidt Conference 2011, Prague, Czech Republic, 14.-19.08.2011.

van den Bogaard, C., **Dullo, C.**, Baranov, B., **Hoernle, K.**, **Nürnberg, D.** and **Werner, R.**, 2011: Geodynamic and Climate Interaction in the Kurile-Kamchatka and Aleutean Marginal Sea-Island Arc System. AGU Fall Meeting 2011, San Francisco, USA, 05.-09.12.2011.

van den Bogaard, C., **Portnyagin, M.**, Ponomareva, V., Derkachev, A., Dirksen, O., Diekmann, B., Tiedemann, R. and **Nürnberg, D.**, 2011: Application of Tephrochronology in the Kurile-Kamchatka and Aleutean Marginal Sea-Island Arc Systems (KALMAR-Project). 18. INQUA-Congress, Quaternary Sciences – The View From The Mountains, Bern, Switzerland, 21.-27.07.2011.

von Bechtolsheim, F., Phillip, A., **Canning-Clode, J.** and **Lenz, M.**, 2011: Native and invasive populations of the slipper limpet Crepidula fornicata differ in their tolerance to abiotic stress. 7. International Conference on Marine Bioinvasions, Barcelona, Spain, 23.-25.08.2011.

6.4 Public Lectures

Abegg, F., 2011: Augen und Hände in der Tiefe – Forschungsroboter, Tauchboot und weitere Forschungsgeräte des IFM-GEOMAR. Vortragsreihe Wissen Schaffen am IFM-GEOMAR, Kiel, 08.11.2011

Biastoch, A., 2011: Das Agulhasstromgebiet und seine Bedeutung für das globale Klima. Vortrag im Sonderkolloquium 100 Jahre Prof. Günter Dietrich, IFM-GEOMAR, Kiel, 18.11.2011.

Froese, R., 2011: Sag mir, wo die Fische sind. Tag der offenen Tür, IFM-GEOMAR, Kiel, 28.08.2011.

Froese, R., 2011: Sag mir, wo die Fische sind. IFM-GEOMAR Vorträge zur Kieler Woche, IFM-GEOMAR, Kiel, 20.06.2011.

Form, A., 2011: Kaltwasserkorallen. Bedrohte Juwelen in der Tiefe. Future Ocean Outreach, Kiel, 17.03.2011.

Krause, S., and **Treude, T.**, 2011: Globale Erwärmung und Gashydrate: Was passiert wenn das Methaneis schmilzt? Symposium zur Information der Öffentlichkeit WARNSIGNAL KLIMA: Die Meere - Änderungen & Risiken, Hamburg, 20.09.2011.

Latif, M., 2011: Bringen wir das Klima aus dem Takt?. 7. Himmelpfortener Energiespartage, Himmelpforten, 03.03.2011.

Latif, M., 2011: Climate Change, Renewable Energy and Societal Challenges. Building Bridges - Solar Energy for Science Symposium, Hamburg, 19.05.2011.

Latif, M., 2011: Corporate Attitude: Herausforderung Klimawandel. BCP Kongress 2011, Hamburg, 06.07.2011.

Latif, M., 2011: Der Weg in die Klimagerechtigkeit. Lange Vorlesungsnacht „Zukunft gestalten", CAU Kiel, Kiel, 18.11.2011.

Latif, M., 2011: Eine Welt-Klima: 18 Monate nach Kopenhagen. Katholische Hochschulgemeinde Freiburg-Littenweiler (KHG), Freiburg, 06.07.2011.

Latif, M., 2011: Herausforderung Klimawandel. Jahresauftakt-Symposium 2011 „Passion for Sustainability", Mannheim, 26.01.2011.

Latif, M., 2011: Herausforderung Klimawandel. HDI-Gerling Industrie Versicherung AG, Cap San Diego, Hamburg, 08.09.2011.

Latif, M., 2011: Herausforderung Klimawandel. Vortragsreihe Leser-Akademie, Bremen, 05.12.2011.

Latif, M., 2011: Klimaschutz und Energiewende: Chance und Herausforderung. Stifterverband, Hamburg, 22.09.2011.

Latif, M., 2011: Klimaschutz, eine globale Herausforderung. EMA-Umweltforum „Vernetzung für Zukunftsweisende Kooperationen", Hamburg, 07.06.2011.

Latif, M., 2011: Nach uns die Sintflut? –Klimawandel-Wetterwandel-Lebenswandel. Ev. Gemeinde Akademie, Blankenese, 03.05.2011.

Latif, M., 2011: Verheizen wir unser Klima?. Phoenix Contact-Kolloquium 2011, Lemgo, 17.11.2011.

Latif, M., 2011: Verändert der Mensch das Klima?. Universitäts-Gesellschaft Schleswig-Holstein, Husum, 13.01.2011.

Latif, M., 2011: Warum der Eisbär einen Kühlschrank braucht …Hintergründe und Prognosen zum Klimawandel. Eco-Evening an der CAU, Kiel,

08.11.2011.

Latif, M., 2011: The challenge of long-term climate change. METREX Conference „Metropolitan Regions Coping with Climate Change", Hamburg, 05.-07.10.2011.

Lenz, M., 2011: Bioinvasionen im Meer: Was macht manche Arten so erfolgreich?. Maasholmer Meereskundliche Vorträge, Maasholm, 05.07.2011.

Piatkowski, U., 2011: Kalmare und Kraken: Athleten der Ozeane. Kinder-Uni an der Kiel-Linie, Kiel, 24.06.2011.

Piatkowski, U., 2011: Tintenfische: Athleten im Ozean. Kinder-Uni, Nordakademie Elmshorn, Elmshorn, 20.01.2011.

Riebesell, U., 2011: Versauerung der Meere: Wieviel CO_2 vertragen Flora und Fauna? Symposium zur Information der Öffentlichkeit WARNSIGNAL KLIMA: Die Meere – Änderungen & Risiken, Hamburg, 21.09.2011.

Riebesell, U., 2011: Ozeanversauerung – das andere CO_2-Problem. Lions Club, Steinkirchen, 24.10.2011.

Treude, T., 2011: Mikrobiologische Untersuchungen auf See: Großer Einsatz für kleine Lebewesen. Preisverleihung der Annette Barthelt Stiftung, Kiel, 30.05.2011.

Treude, T., 2011: Kleine Lebewesen mit großer Bedeutung: Wie Mikroben die Chemie im Meeresboden beeinflussen, SFB 574 Summerschool, IFM-GEOMAR, Kiel, 21.07.2011.

Treude, T., 2011: Microbes go high-tech: Wie Bakterien unsere Alltagsprobleme lösen. Night of the Profs, Christian-Albrechts Universität zu Kiel, 18.11.2011.

Ueberschär, B., 2011: Kritische Zeiten für kleine Fische - eine Kindheit im Watt. Kinderuni Wyk auf Föhr, Wyk auf Föhr, 18.08.2011.

Visbeck, M., 2011: Der Ozean der Zukunft: zu hoch, zu warm, zu sauer?. Höxberg-Gespräch, Berufskolleg Beckum, Beckum, 02.02.2011.

Visbeck, M., 2011: Ozean der Zukunft - Das Forschungsnetzwerk der Kieler Meereswissenschaften. Universitäts-Gesellschaft Schleswig-Holstein, Trappenkamp, 17.11.2011.

Visbeck, M., 2011: Ozean der Zukunft - Das Forschungsnetzwerk der Kieler Meereswissenschaft. Universitäts-Gesellschaft Schleswig-Holstein, Glinde, 29.11.2011.

Visbeck, M., 2011: Der Ozean der Zukunft: zu hoch, zu warm, zu sauer?. Lange Nacht der Professoren, Kiel, 17.06.2011.

Völker, D., 2011: Hangrutschungen in den Ozeanen – So what?. Vortrag Waldorfschule Kiel, Kiel, 19.05.2011.

Weinrebe, W., 2011: Tiefenmessungen im Ozean – mit moderner Sonartechnik das Relief der Ozeanböden erforschen. Wissen schaffen, IFM-GEOMAR Kiel, Kiel, 15.03.2011.

6.5 Radio & TV Interviews (selection)

Behrmann, J.: Der Pazifische Feuerring - Ecuador und Chile, ARTE TV, 26.05.2011

Behrmann, J.: Tohoku-Beben in Japan, Deutschlandradio Kultur, 14.03.2011

Behrmann, J.: Tohoku-Beben in Japan, NDR Kultur, 01.03.2011

Behrmann, J.: Tohoku-Beben in Japan, NDR Welle Nord, 13.03.2011

Behrmann, J.: Tohoku-Beben in Japan, Spiegel TV (Pro 7), 19.03.2011

Berndt, C.: Welle von Norden, Deutsche Welle, 20.05.2011.

Biastoch, A.: Zeitbombe im Sediment - Methanhydrate säuern tiefere Wasserschichten, Forschung Aktuell, Deutschlandfunk, 30.06.2011.

Biastoch, A.: Zur globalen Bedeutung des Agulhasstroms, DRadio Wissen, 16.05.2011.

Büdenbender, J.: Ocean acidification effects on North Atlantic pteropods (interview), NDR or ZDF, Bergen, Norway, June 2011.

Dmitrenko, I.: Permafrost in Sibirien, nano, 3sat, 21.12.2011

Form, A.: Auf Tauchfahrt, Quarks & Co., WDR Fernsehen, 22.11.2011.

Form, A.: Im U-Boot zu den Korallenriffen von Norwegen, Wissenschaft, DRS 2 (Schweiz), 05.11.2011.

Kopp, H.: Japan Erdbeben, N3 aktuell, NDR Fernsehen, 11.03.2011.

Kopp, H.: Japan Erdbeben, ntv Fernsehen, 11.03.2011.

Latif, M.: Deutsche Welle Fernsehen (Tagesthema „Durban – Gibt es Aspekte zum Klimawandel und Extremwetter" im Rahmen der Nachrichten-Sendungen über den ganzen Tag. Die Sendung wird international ausgestrahlt am Mittwoch, 30.11.11 ab 10 Uhr stündlich alternierend in den

beiden Sprachen.

Latif, M.: Erdbeben, Tsunami, Angst vor dem Atom-GAU - die Jahrhundert-Katastrophe in Japan erschüttert die Welt, zu Gast bei Reinhold Beckmann, ARD, 14.03.2011.

Latif, M.: Extremwetterlagen, mit denen die Norddeutschen künftig häufiger rechnen müssen, Mein Nachmittag, NDR, 12.04.2011.

Latif, M.: Fokus: Trend zur Trockenheit oder ganz normale Klimaschwankungen? Moderation: Marco Schreyl, Telefon-Interview für Morgensendung hr1 start! Am 24.05.11.

Latif, M., 2011: Klimawandel. Vortrag für Besucher vom Meteorologischen Institut der Uni Bonn, IFM-GEOMAR, Kiel, 26.09.2011.

Latif, M.: Interview für Dokumentation zum Klimawandel - Redakteurin Silvana Rosenzweig. Thementag „VOX Planet Blue", 22.10.2011.

Latif, M.: Interview zum Extremwetter in „planet e" ZDF, 20.11.2011.

Latif, M.: Interview zum Thema: Neue Energie. Die große Reportage, RTL-TV, 12.06.11.

Latif, M.: Interview zum Tornado in Joplin, USA. Explosiv - Das Magazin, RTL-TV, 23.05.2011.

Latif, M.: Interview. Ö1-Mittagsjournal-Sendereihe „Im Journal zu Gast". Ö1 Rundfunk, 03.12.2011.

Latif, M.: Klimaveränderungen, ARD-Morgenmagazin, ARD, 17.01.2011.

Latif, M.: Klimawandel, DAS! NDR, 17.03.2011 (18:45-19:30).

Latif, M.: REDEZEIT „Ist das Klima noch zu retten? Was muss der Gipfel in Durban leisten?" zugeschalteter Gast: Jochen Flasbarth, Präsident des Umweltbundesamtes, Moderator: Matthias Franck. NDR Info, 29.11.2011.

Latif, M.: Über den Extremwetterkongress in Hamburg. NDR aktuell (TV) und RTL Guten Abend, 12.04.11.

Latif, M.: Weltweite Wassernot – Sitzen wir bald auf dem Trockenen? Studiogast gemeinsam mit Wasserexpertin und Umweltschützerin Ann-Kathrin Schneider. Planet Wissen, WDR, 29.06.11.

Latif, M.: Wetterkapriolen. Weck Up, SAT1, 06.02.2011.

Latif, M.: Wie verseucht ist das Meer, Aktuelle Stunde, WDR, 26.03.2011.

Latif, M.: Zyklon vor Australien, seine Berechenbarkeit und gibt es Zusammenhänge mit den Überschwemmungen, h1 Start, hr Radio, 02.02.2011.

Riebesell, U.: Zur Verleihung des Leibniz Preises. Hörfunkinterview NDR1, 08.12.11.

Tatsache, dass er den Leibniz-Preis

Spielhagen, R.: Fußballspiel am Nordpol vor 20 Jahren, Von Binnenland und Waterkant, NDR1, 07.09.2011.

Spielhagen, R.: Ozeanerwärmung in der Arktis, Aus Forschung und Technik, Deutschlandfunk, 31.01.2011.

Spielhagen, R.: Ozeanerwärmung in der Arktis, nano, 3sat, 31.01.2011.

Spielhagen, R.: Ozeanerwärmung in der Arktis, Von Binnenland und Waterkant, NDR1, 28.01.2011.

Visbeck, M.: Faszination Wissen, BR, 06.03.2011.

Visbeck, M.: Jahrestag des Deep Water Horizon Unglücks. Rundfunk Schweiz, 15.04.2011.

7. Scientific Exchange & Cooperation

7.1 Visitors at IFM-GEOMAR

Akumbom, V.: University Buea, Buea, Kamerun, 08.02.-04.05.2011.

Alexandrova, A.: St. Petersburg State University, St. Petersburg, Russia, 16.-26.06.2011.

Anlauf, H.: SOTON, Southampton, UK, 01.-31.12.2011.

Antonova, S.: St. Petersburg State University, St. Petersburg, Russia, 24.01.-10.02.2011.

Bi, R.: Ocean University of China, Qingdao, 29.09.2009-30.09.2013.

Bodeker, G.: Bodeker Scientific, Alexandra, New Zealand, 10.-17.04.2011, 26.04-10.05.2011.

Bubenshchikova, N.: P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences, Moscow, Russia, 06.03.-03.04.2011.

Carrasco Montes, C.: Laboratorio de Procesos Oceanograficos y Clima, Universidad de Concepción, Concepción, Chile, 01.06.-31.07.2011.

Change, M. Y.: University of Bergen, Norway. 01.03.-31.05.2011.

Chuang, V.: RISE-Student: Rice University, Lovett College, Houston, Texas, USA, 27.06.-19.08.2011.

Collins, C.: University of Capetown, Capetown, South Africa, 21.08.-09.09.2011.

Collins, S.: Society University Research Fellow Institute of Evolutionary Biology University of Edinburgh, UK, 02.-08.05.2011, 10.-19.08.2011 and 17.-28.10.2011.

Contreras Reyes, E.: Universidad Católica de Santiago de Chile, Santiago de Chile, Chile, 01.05.-15.06.2011.

Costelloe, A.: Department of Chemical Engineering, University of the West Indies, St. Augustine, Trinidad and Tobago, 17.11.-10.12.2011.

Demchenko, N.: P.P. Shirshov Institute of Oceanology, Atlantic Branch, Kaliningrad, Russia, 10.-23.10.2011.

Demir, N.: University of Kocaeli, Turkey, 21.03.-08.04.2011.

Derkachev, A.: Pacific Oceanological Institute, Vladivostok, Russia, 19.11.-03.12.2011.

Dorador, C.: Laboratorio de Ecología Microbiana, Centro de Bioinnovación-Antofagasta, Universidad de Antofagasta, Chile 23.05.-29.05.2011.

Filippova, A.: St. Petersburg State University, St. Petersburg, Russia, 01.-15.02.2011.

Fuqing, J.: Key Laboratory of Marine Geology & Environment, Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China, 02.05.-31.12.2011.

Gallais, F.: Universitè de Bretagne Occidentale, Brest, France, 17.-28.01.2011.

Gao, Prof. K.S.: DAAD-Stipendiat: Xiamen University, Xiamen, Fujian/China, 15.08.-30.09.2011.

Gary, S.: Duke University, Durham, USA, 25.11.-19.12.2011.

Geffen, A.: University of Bergen, Norway 01.04.-31.05.2011.

Goecke, F.: Universität Concepción, Chile. Deutscher Akademischer Austausch Dienst (DAAD) – Becas Chile (Conicyt) PhD Program Stipendium 06.2008-2012.

Guinder, V.: Instituto Argentino de Oceanografia, Universidad Nacional del Sur, Bahia Blanca, Argentina. 01.08.11-30.09.11

Haley, B.: Oregon State University, Corvallis, OR, USA, 09.-20.05.2011.

Hämmerli, A.: ETH Zürich, Switzerland, 15.05.-30.09.2011.

Hannington, M.: University of Ottawa, Ottawa, Canada, 06.-20.08. and 26.11.-08.12.2011.

Infante, Claudia, D.: Laboratorio de Ecología Microbiana, Centro de Bioinnovación-Antofagasta, Universidad de Antofagasta, Chile, 17.01.-12.02.2011.

Ivanoshchuk, I.: St. Petersburg State University, St. Petersburg, Russia, 14.-24.02.2011.

Kaparulina, E.: St. Petersburg State University, St. Petersburg, Russia, 21.-28.02.2011.

Keeling, R.: Scripps Institution of Oceanography, UCSD, San Diego, USA, 08.-31.08.2011.

Khleborodova, O.: Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky, Russia, 29.09.-11.10.2011.

Kirillov, S.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 01.-15.01.2011, 01.07.-31.08.2011.

Kogovsek, T.: Marine Biology Station Piran, National Institute of Biology, Slovenia, 01.12.2011 – 28.02.2012.

Llanillo, P. del Rio: Instituto de Ciencias del Mar CMIMA-CSIC, Barcelona, Spain, 16.09.-15.12.2011.

Loginova, A.: St. Petersburg State University, St. Petersburg, Russia, 14.-24.02.2011.

Lopez Abbate, C.: Universidad Nacional del Sur, Argentina, Argentinian Institute of Oceanography (IADO), 26.08.-27.11.2011.

Loveday, B.: University of Capetown, Capetown, South Africa, 28.11.-16.12.2011.

Martynov, F.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 30.06.-29.07.2011.

Meng, Q.: University of Qingdao, China, 09.11.2010-14.02.2011.

Moison, M.: Laboratory d'Oceanology and

Geosciences, UMR LOG 8187, Université de Lille 1, France, 01.02.11-31.12.11.

Mussoni, P.: Università degli studi di Parma, Parma, Italy, 24.-31.01.2011.

Nash, R.: Institute for marine Research, Bergen, Norway. 01.04.-31.05.2011.

Novikhin, A.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 11.10.-07.11.2011.

Ogawa, F.: University of Tokyo, Japan, 08.-23.02.2011, 12.07.-17.08.2011.

Ovsepyan, E.: P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences, Moscow, Russia, 01.-30.09.2011.

Ovsepyan, Ya.: P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences, Moscow, Russia, 01.-30.09.2011.

Paczkowska, J.: DBU Stipendiatin, Poland, 01.03.2010-31.01.2011.

Panno, L.: Plant Biology Department, University of Turin, Italia, 08.02.-01.05.2011.

Peter, Kalista, H., Dodoma University, Department of Geography and Environmental studies, Dodoma, Tanzania. 29.09.2010-30.09.2013.

Pham Thi M.: Institute of Oceanography, Nha Trang, Vietnam. Deutscher Akademischer Austausch Dienst (DAAD/MOET). Stipendium. 01.10.2010-30.09.2014.

Plaza, A.: Institute of Geological and Nuklear Sciences, GNS, Lower Hutt, New Zealand, 07.11.-13.12.2011.

Polyakova, Y.: Moscow State University, Moscow, Russia, 10.01.-23.02.2011, 14.10.-12.11.2011.

Ponomareva, V.: Institute of Volcanology and Seismology FEB RAS, Petropavlovsk-Kamchatsky, Russia, 16.05.-10.06.2011, 17.10.-14.11.2011.

Roldan-Heredia, Alejandro, Institute of Marine Sciences and Fisheries, University of Veracruz, Mexico, 01.-20.12.2011.

Sarkar, S.: University of Southampton, Southampton, UK, 19.09.-21.11.2011.

Semeryuk, I.: St. Petersburg State University, St. Petersburg, Russia, 04.-24.02.2011.

Send, U.: Scripps Institution of Oceanography, UCSD, La Jolla, USA, 16.-31.08.2011.

Shiganova, T.: University of Moscow, Russia, 17.05.-10.06.2011.

Sidorov, I.: St. Petersburg State University, St. Petersburg, Russia, 01.-08.08.2011.

Taldenkova, E.: Moscow State University, Moscow, Russia, 11.08.-20.09.2011, 30.11.-24.12.2011.

Timofeeva, A.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 01.-14.05.2011.

Timokhov, L.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 08.01.-05.02.2011.

Tsukanov, N.: P.P. Shirshov Institute of Oceanology RAS, Moscow, Russia, 05.-17.12.2011.

Ummenhofer, C.: Climate Change Research Centre, University of New South Wales, Sydney, Australia, 10.05.-17.06.2011.

Vinogradova, E.: P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences, Moscow, Russia, 01.-31.07.2011.

Weiss, R.: University of South Carolina, Columbia, SC, USA, 17.05.-01.06.2011.

Wolf, Sun M.: Sanyuan, Shaanxi Province, China, Chinese Scholarship. 01.10.2011-30.09.2014.

Xu, Dr. J.: DAAD-Stipendiat: Xiamen University, Xiamen, Fujian/China, 15.08.-30.09.2011.

Zhang, L.: Faculty of Engineering, China University of Geosciences, Wuhan, China, 01.-31.12.2011.

Zhang, Y.: Chinese Scholarship Council-Stipendiat: College of Life Sciences, Huazhong Normal University, China, 01.09.-31.12.2011.

Zhuravleva, A.: St. Petersburg State University, St. Petersburg, Russia, 21.-28.02.2011.

7.2 Visits by IFM-GEOMAR staff

Berndt, C.: Geology and Geophysics Group, National Oceanography Centre, Southampton, UK, 15.-30.04.2011.

Böning, C.W.: Climate Change Research Centre, University of New South Wales, Sydney, and CSIRO Centre for Marine and Atmospheric Research, Hobart, TAS, Australia, 01.11.2011-31.01.2012.

Crutchley, G.: Institute of Petroleum Engineering, Heriot-Watt University, Edinburgh, UK, 17.-21.10.2011.

Devey, C.: Woods Hole Oceanographic Institution, Boston, USA, 01.01.-22.10.2011.

Froese, R.: FishBase Information and Research Group, Los Baños, Laguna, Philippines, 02.-20.12.2011.

Haynert, K.: Geoscience Research Group, Department of Chemical Engineering, University of the West Indies, St. Augustine, Trinidad and Tobago, 14.02.-08.03.2011.

Kürten, B.: King Abdulaziz University, Jeddah, Saudi Arabia, 06.09.–28.11.2011.

Lenz, M.: 7th Sino-German Summer School, Qingdao, China, 03.-11.09.11.

Melzner, F.: National Taiwan University und Academia Sinica, ROC, 15.01.-23.01. 2011.

Pansch, C.: ASSEMBLE travel grant for the Sven Lovén Centre for Marine Sciences (Göteborg University), Tjärnö, Strömstad, Sweden, Aug.-Sept 2011.

Sawall. Y.: King Abdulassiz University, Jeddah, Saudi Arabia, 27.01.–28.02.2011 and 10.09.-19.10.2011; King Abdulla University of Science and Technology (KAUST), Tuwal, Saudi Arabia, 19.-27.10.2011.

Scholz, F.: Rutgers University, and Oregon State University, USA, 19.09.–21.10.2011.

Teschner, C.: University of the West Indies at St. Augustine, St. Augustine, Trinidad and Tobago, 14.02.- 08.03.2011.

Wahl, M.: King Abdulassiz University, Jeddah, Saudi Arabia, 27.01.-28.02.2011.

Weinberger, F.: Centre of Marine Sciences, University of Algarve, Faro/Portugal, 07.-29.04.2011.

7.3 Conferences & Meetings (organized by IFM-GEOMAR staff)

Anka, Z, Gay, A., and **Berndt, C.**: Fluid flow in marine sediments. Session at EGU, Vienna, 05.-07.04.2011.

Bange, H. W.: 4th SOPRAN Annual Meeting, Heidelberg, Germany, 22.-23.03.2011.

Bauch, H.A. (session convenor): Past Interglacials. INQUA 2011, Bern, Switzerland, 21.-27.07.2011.

Behrmann, J.: Stress and Texture Investigations by Means of Neutron Diffraction, Frank Laboratory of Neutron Physics, (Organisatoren: Stephansson, O., Balagurov, A.M., Belushkin, A.V., Behrmann, J.H., Matthies, S., Mikula, P., Nikitin, A.N., Schilling, F.R. & Walther, K.), Dubna, Russia, 06.-09.06.2011.

Berndt, C.: Deutsch-taiwanesischer Gashydrat Workshop, Kiel, 11.-14.07.2011.

Bertics, V., and **Treude, T.**: ISEB session "Benthic Nitrogen Cycling", Istanbul, Turkey, 27.09.2011.

Bialas, J.: Workshop „Gas hydrate research and CO_2 sequestration" in Zusammenarbeit mit CEPAC, Porto Alegre, Brazil, 10.-13.05.2011.

Böning, C.W., Cazenave, A. and **Latif, M.** (Conveners): WCRP Open Science Conference, Parallel Session B3: Ocean Dynamics and Sea Level: Variability and Change, Denver, USA, 24.10.2011.

Bröckel, K. von: European Research Vessel Operators, ERVO, Annual Meeting, Oristano, Italy, 10.-11.05.2011.

Bröckel, K. von: International Research Ship Operators, IRSO, Annual Meeting, Seattle, USA, 24.-27.05.2011.

Dengg, J. and Parchmann, I.: Möglichkeiten, Herausforderungen und Grenzen der Projektevaluation, Workshop bei Fachtagung „Keine Angst vor Wissenschaft!", Kiel, 27.05.2011.

Dengg, J.: Projektevaluation, Workshop bei Körberstiftung, Hamburg, 02.05.2011.

Dengg, J.: Schulprojekte im Norden, Bremerhaven, 24.-25.03.2011.

Dengg, J.: Treffen der NaT-Working Botschafter der Robert-Bosch Stiftung, Kiel, 08.-09.11.2011.

Dullo, W.-Chr. and **van den Bogaard, C.**: 2nd Bilateral Workshop of KALMAR-Phase I: Kurile-Kamchatka and the Aleutean Marginal Sea-Island Arc Systems, Trier, 16.-20.05.2011.

Eizaguirre, C.: Co-organizer of the Symposium „ Evolutionary Ecological Genomics" Society of Evolutionary Biology (ESEB), Tübingen, xx-yy.08.2011.

Gersonde, R., Tiedemann, R. and **Nürnberg, D.** (Convenor): Pleistocene-Holocene climate variability in the North Pacific realm, PP24 - AGU Fall Meeting 2011, San Francisco, USA, 05.-09.12.2011.

Haynert, K.: FOBIMO (FOraminiferal BIo-MOnitoring) Workshop, Fribourg, Switzerland, 21.-25.06.2011.

Imhoff, J.F., **Labes, A.**: BIOTECHNICA, Hannover, 11.-13.10.2011.

Karstensen, J.: EGO 2011 Workshop and Glider School, Las Palmas de Gran Canaria, Spain, 14.-18.03.2011.

Kassens, H., Hölemann, J. and **Volkmann-Lark, K.**: Otto Schmidt Laboratory Fellowship Meeting, St. Petersburg, Russia, 19.12.2011.

Kassens, H., **Kakhro, N.**, **Klagge, T.** and **Volkmann-Lark, K.**: Lebende Ausstellung – Brennpunkte der deutsch-russischen Zusammenarbeit auf dem Gebiet der Meeres- und Polarforschung, St. Petersburg, Russia, 14.-28.10.2011.

Kassens, H., **Klagge, T.** and **Volkmann-Lark, K.**: Nationales Arbeitstreffen des Verbundvorhabens „System Laptev-See: Eurasische Schelfmeere im Umbruch – Ozeanische Fronten und Polynjasysteme in der Laptev-See", Kiel, 12.12.2011.

Kassens, H., **Klagge, T.** and **Volkmann-Lark, K.**: Russian-German Working on Arctic Ocean Transpolar System: History and Future, St. Petersburg, Russia, 05.07.2011.

Labes, A., & Schulz, D.: Summerschool „Marine Biotechnologie" mit FHNWS, Kiel, 28.06.-03.07.2011.

Labes, A.: BIOKATALYSE2021 Summer School „Methoden in der Biotechnologie: Etappen der Produkt- und Prozessentwicklung", Kiel, 11.-14.07.2011.

Labes, A.: Kick-off-Meeting MARINE FUNGI: Wissenschaftszentrum Kiel, 24.-25.05.2011.

Lehmann, A.: 8th Baltic Sea Science Congress, Session: Coastal-offshore exchange processes, St. Petersburg, Russia, 22.-26.08.2011.

Lehmann, A.: ICES Annual Science Conference, Theme Session E: Upwelling events, coastal-offshore exchange and links to biogeochemical processes in various parts of the ocean, Gdansk, Poland, 19.-23.09.2011.

Lenz, M., **Wahl, M.**: Baltic Sea Hard-bottom Monitoring Meeting, UBA workshop, 16.06.2011.

Lenz, M.: Taxonomischer Workshop" Bestimmung aktuell in der Nord- und Ostsee auftretender Neobiota" IFM-GEOMAR, Kiel, 15.06.2011.

Lenz, M.: International Workshop on the Monitoring of Hard-Bottom Communities in Baltic Sea Coastal Waters. IFM-GEOMAR, Kiel, 16.06.2011.

Melzner, F.: Session ‚Evolutionary rules in the brave new ocean – Climate change and life-history strategies', organized together with S. Dupont and M.Thorndyke, ASLO Meeting San Juan, Puerto Rico, USA, 14.-19.02.2011.

Nürnberg, D. (Convenor), Schmidt, M. and Flower, B.: Gulf of Mexico/Caribbean Sea Paleoceanography and Ocean/Continent/Atmosphere Linkages, PP13 - AGU Fall Meeting 2011, San Francisco, USA, 05.-09.12.2011.

Oschlies, A.: SFB 754 General Assembly of Members, Kiel, 21.12.2011.

Patara, L.: 2nd Young Scientist Excellence Cluster meeting, Bremen, 04.-05.10.2011.

Quack, B.: SHIVA Steering Committee Meeting, Kiel, 06.-07.01.2011.

Quack, B.: SHIVA-SONNE Cruise Meeting, Kiel, 02.05.2011.

Reusch, T., **Roth, O.:** 3rd VW Status Symposium in Evolutionary Biology "Evolution at the Sea", Sylt, 07.-11.11.2011.

Riebesell, U.: 2nd BIOACID Annual Meeting, Bremen, Germany, 26.-30.09.2011.

Riebesell, U.: EPOCA Svalbard 2010, 2nd Data Workshop, Kiel, 15.-16.09.2011.

Rosmorduc, V. and **Dengg, J.**: Ocean Science Outreach and Education, EGU General Assembly, Vienna, Austria, 06.04.2011.

Schelten, C.: SFB 754 PhD Workshop, Friedrichstadt, Germany, 31.07.-01.08.2011.

Schönfeld, J.: Foraminiferal Bio-Monitoring (FOBIMO), Fribourg, Switzerland, 22.-24.06.2011.

Sommer, U., Javidpour, J., Garzke, J.: Ph.D. course in „Mesocosms in aquatic ecology: use, problems and potentials", Kiel, 29.08.-02.09.2011.

Stadnitskaia, A., Niemann, H., Feseker, T., **Haeckel, M.**, and Schicks, J. M.: Methane and gas hydrates in marine and terrestrial environments: sources, sinks and ecosystems. EGU General Assembly 2011, Vienna, Austria, 03.-08.04.2011.

Stramma, L.: Ocean deoxygenation and implications for marine biogeochemical cycles and ecosystems, Le Mas de Canelles, Toulouse, France, 24.-26.10.2011.

Tanhua, T.: M84/3 – Repeat Hydrography in the Mediterranean Sea, Hamburg, 11.-13.10.2011.

Tanhua, T.: REgional Carbon Cycle Assessment and Processes (RECCAP), Shepherdstown, West Virginia, USA, 23.-27.05.2011.

Tanner, B., **Kassens, H.**, **Kakhro, N.**, **Klagge, T.**, Priamikov, S. and **Volkmann-Lark, K.**: 16. Arbeitstreffen im Rahmen der Fachvereinbarung über die Zusammenarbeit auf dem Gebiet der Meeres- und Polarforschung zwischen dem Ministerium für Bildung und Wissenschaft der Russischen Föderation und dem Bundesministerium für Bildung und Forschung der Bundesrepublik Deutschland, St. Petersburg, Russia, 27.-28.10.2011.

Tegtmeier, S. and Hegglin, M.: 2nd SPARC data initiative workshop, Bern, Switzerland, 06.-10.06.2011.

Tegtmeier, S. and Hegglin, M.: 3rd SPARC data initiative workshop – review meeting, Toronto, Canada, 14.-16.12.2011.

Visbeck, M.: DPG – Physics Summer School "Physics of the Ocean", Physikzentrum Bad Honnef, 11.-16.09.2011.

Wallace, D. W. R.: SFB 754 Retreat 2011 / International Workshop, Lübeck, 21.-23.02.2011.

Wallace, D. W. R.: SOLAS Steering Committee Meeting, Kiel, 24.-26.05.2011.

Wegner, C. and Choi, S.: ART Executive Committee Meeting, Seoul, South Korea, 28.03.2011.

Wegner, C. and Mikkelsen, N: ART Executive Committee Meeting – POLARSTERN Proposal, Copenhagen, Denmark, 21.-22.11.2011.

Wiese, J.: EU Proposal Marine Drugs Pipeline, IFM-GEOMAR, Kiel, 14.-15.09.2011.

Wiese, J.: SUBMARINER, IFM-GEOMAR, Kiel, 02.-04.11.2011.

7.4 Colloquia & Seminars at IFM-GEOMAR

Meereswissenschaftliches Kolloquium

06.01.2011:

Fueglistaler, **Prof. Dr. S.,** Princeton University, Princeton, USA: *„Troposphere-to-Stratosphere Transport in the Tropics*"

14.01.2011 Gedenkkolloquium für Prof. Sebastian Gerlach:

Graf, Prof. Dr. G., Universität Rostock: *„Wechselwirkung Tiere - Sediment*"

31.01.2011:

Camoin, Dr. G., Europôle Méditerranéen de l'Arbois, Aix-en-Provence, France: *„Sea level change and reef development during the last deglaciation in Tahiti (French Polynesia)*"

11.02.2011:

Fussmann, G., Montreal, Canada: *„The multi-faceted nature of plankton dynamics: from cell cycles to meta-communities*"

18.02.2011:

Civitarese, Dr. G., Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy: *„The Bimodal Oscillating System of the Eastern Mediterranean*"

27.05.2011:

Wilson, Prof. Dr. B., University of the West Indies, Trinidad: *„A Tale of Me and SHE Analysis*"

27.05.2011 Annette Barthelt-Preisverleihung 2011:

Treude, Prof. Dr. T., IFM-GEOMAR: „Mikrobiologische Untersuchungen auf See: Großer Einsatz für kleine Lebewesen"

10.06.2011 Farewell Mini-Symposium for Prof. Douglas Wallace

Appendices

08.07.2011 Sonderkolloquium - Fritz Schott Ocean Circulation Lecture:
Lumpkin Dr. C.F., NOAA, Physical Oceanography Division, Miami, USA *„Seasonal to multidecadal changes in the surface circulation of the Tropical and South Atlantic Oceans"*

04.11.2011 Joint SFB754 and „Meereswissenschaftliches Kolloquium":
Graco, Dr. M., Chemical Oceanography, Instituto del Mar de Perú, Peru: *„The OMZ and nutrients features as a signature of the low frequency variability off Peru"*

18.11.2011 Sonderkolloquium „100 Jahre Prof. Günter Dietrich":
Siedler, Prof. Dr. G., IFM-GEOMAR: *„Günter Dietrich – ein Gestalter der deutschen Meeresforschung"*
Biastoch, PD Dr. A., IFM-GEOMAR: *„Das Agulhasstromgebiet und seine Bedeutung für das globale Klima"*
Schauer, Prof. Dr. U., AWI, Bremerhaven: *„Die Rolle des Arktischen Mittelmeeres für den Nordatlantik"*

24.11.2011:
Dippner, PD Dr. J., Leibniz-Institut für Ostseeforschung, Warnemünde: *„Quo vadis, Ostsee?"*

01.12.2011:
Vetriani, C., Institute of Marine and Coastal Sciences - Department of Biochemistry and Microbiology, Rutgers University, New Brunswick, USA: *„Chemosynthetic microbial biofilms: Understanding the foundation of deep-sea hydrothermal vent ecosystems"*

SFB574 Seminars

17.03.2011:
Koulakov, Dr. I., Institute of Petroleum Geology and Geophysics, Novosibirsk, Russia: "*Subduction zone imaging using active and passive seismic tomography*"

21.04.2011:
Mutter, Dr. A., CAU-IfG: "*Fluids in Subduction Zones*"

05.05.2011:
Dannowski A., Arroyo, Dr. I., IFM-GEOMAR: "*3-D structure and seismotectonics prior to the 2010 Chile Earthquake (Mw=8.8) in the Maule region*"

12.05.2011:
Contreras-Reyes, Dr. E., Universidad de Chile, Santiago de Chile, Chile: "*Control of high oceanic features and subduction channel on earthquake ruptures along the Chile-Peru subduction zone*"

26.05.2011:
Worzewski, T., IFM-GEOMAR: "*Marine Magnetotellurics on a Continental Margin: Imaging the Hydration and Dehydration Cycle in the Costa Rican Subduction Zone*"

23.06.2011:
Steeb, P., IFM-GEOMAR: "*Challenging the microbial methane filter Preliminary results from flow-through experiments and cold seeps studies of Costa Rica*"

11.08.2011:
Timm, C., GNS Science, Geochemistry Geophysics Geosystems, New Zealand: "*Louisville Seamount Subduction in the Tonga Trench*"

25.08.2011:
Barker, Dr. A., University of Uppsala, Uppsala, Sweden: "T*he olivine telescope: Zooming in on mantle lithologies in Cape Verde*"

22.09.2011:
Dürkefälden, A., IFM-GEOMAR: "*Multistage evolution of primitive alkaline rocks from submarine volcanic cones on the north and southwest flanks of Fogo, Cape Verde Archipelago*"

22.09.2011:
Hansen, J., IFM-GEOMAR: "I*nvestigation of pre-eruptive magma evolution at melt inclusions of the phonolitic seamount Cadamosto, Cape Verde Islands*"

26.09.2011:
Coffin, Prof. M. F., National Oceanography Centre, Southampton, UK: "*Crustal Structure of the Ontong Java Plateau Deduced from an Active Source Seismic Experiment*"

29.09.2011:
Gill, Prof. J.B., University of California Santa Cruz, Earth & Planetary Sciences, Petrology and Geochemistry, Santa Cruz, USA: "*Creating Earth's oceanic and continental crust*"

05.10.2011:
Pearce, Prof. J.A., University of Cardiff, Mineralogy and Petrology, Cardiff, UK: "*The First Ocean Ridge Mantle Xenoliths: what they tell us about Mantle Melting*"

10.11.2011:
Halama, Dr. R., CAU-IfG: Metamorphosed oceanic lithosphere exhumed: "*Ultramafic rocks of the Raspas Complex, Ecuador*"

21.11.2011:
Davy, Dr. B., GNS Science, Marine Geophysics, New Zealand: "*Hikurangi Plateau subduction leading to Gondwana breakup*"

22.11.2011:
Burkert, C., IFM-GEOMAR: "*The magmatic components of the Diamante Tuff (Diamante caldera/Maipo volcano, Southern Volcanic Zone of Chile)*"

SFB754 Seminars

21.02.2011 SFB Retreat:

Gutierrez, Dr. D., IMARPE, Peru: "*Current status of the paleo-oceanographic research on the late Quaternary in the Peruvian margin by the IMARPE and PALEOPECES team*"

Kienast, Prof. Dr. M., Dalhousie Univ., Halifax, Canada: "*Millennial-scale variations in hydrography and biogeochemistry in the Eastern Equatorial Pacific over the last 100 kyr*"

Ledwell, Dr. J., WHOI, Woods Hole, USA: "*A Tracer Study of Mixing in the Antarctic Circumpolar Current*"

Testor, Dr. P., LODYC, Paris, France: "*Fine scale vertical structure of a tropical upwelling system as observed from glider data off Pisco (14° S, Peru)*"

Schneider, **Dr. N.,** Univ. Hawaii, Honolulu, USA: "*Pathways between the Equatorial Zone and the Subtropics*"

22.02.2011 SFB Retreat:

Garcon, Dr. V., LEGOS, Toulouse, France: "*EBUS: a natural SOLAS playground*"

Reynolds, Dr. B., ETH Zürich, Zürich, Switzerland: "*Using Si isotopes to trace the biogeochemical cycling of Si*"

Boyle, Dr. E., EAPS, USA: "*Iron in the tropical North Atlantic OMZ: evidence of dust-enriched Fe:C in sinking particulate matter*"

02.05.2011:

Ryabenko, Dr. E., IFM-GEOMAR: "*Nitrogen isotopes in the Atlantic and Pacific OMZs*"

27.06.2011:

Mecking, Dr. S., Univ. Washington, Seattle, USA: "*Decadal variability and trends from North Pacific Repeat Hydrography: Changes in oxygen, pH, and tracer ages*"

04.07.2011:

Kahru, Dr. M., Scripps Institution of Oceanography, La Jolla, USA: "*Satellite Ocean Color Applications: from Global to Arctic to the Baltic*"

13.07.2011:

Sijp, Dr. W., University of New South Wales, Sydney, Australia: "*Calculating the AMOC OFF state saddle node and transient behaviour*"

10.10.2011:

Deutsch, Prof. Dr. C., UCLA, Dept. of Atmospheric & Oceanic Sciences, Los Angeles, USA: "*A climatic pulse in the heart of the oxygen minimum zone*"

12.10.2011:

Schmidtko, Dr. S., University of East Anglia, Norwich, UK: "*The Pacific oxygen minimum zone and its ventilation pathways*"

31.10.2011:

Altabet, Prof. Dr. M., School of Marine Sciences, University of Massachusetts: "*Re-evaluating interactions and feedbacks between global ocean nitrogen sources and sinks*"

04.11.2011:

Graco, Dr. M., Chemical Oceanography, IMARPE, Peru: "*The OMZ and nutrients features as a signature of the low frequency variability off Peru*"

28.11.2011:

Seibel, Prof. Dr. B., University of Rhode Island: "*Existing oxygen levels are the threshold for marine life in oxygen minimum zones*"

FB1 Seminar

17.01.2011:

Smyth, **Prof. Dr. B.**, College of Oceanic & Atmospheric Sciences, Oregon State University, Corvallis, OR, USA: "*Kelvin-Helmholtz instability in the upper equatorial Pacific: Why is the frequency near N?*".

31.01.2011:

Maraun, **Prof. Dr. D.**, IFM-GEOMAR, Kiel: "*Extreme Value Theory - The Block Maxima Approach in a Nutshell*".

14.02.2011:

Ogawa, F.: University of Tokyo, Tokyo, Japan: "*On the active impact of midlatitude oceanic front to the atmospheric general circulation*".

16.03.2011:

Birner, **Assoc. Prof. Dr. T.,** *Department of Atmospheric Science, Colorado State University, Fort Collins, USA: " Widening of the tropical belt and poleward contraction of the jets: diagnostics and mechanisms* ".

Joint FB2/FB1 seminar:

11.04.2011:

Kreher, Dr. I., NIWA, Lauder, New Zealand: "*The hunt for halogen oxides (IO and BrO) in the marine boundary layer: From the Tropics to the Antarctic* ".

27.04.2011:

Pisso, Dr. I., JAMSTEC, Japan: "*Constraints on CO_2 flux emissions: reconstructions of in-situ measurements from Lagrangian stochastic inversion*".

09.05.2011:

Bodeker, Dr. G., Bodeker Scientific, Alexandra, New Zealand: "*Everything you ever wanted to know about ozone*".

23.05.2011:

Zanchettin, Dr. D., MPI, Hamburg: "*Can strong tropical volcanic eruptions induce decadal changes in the coupled ocean-atmosphere system?*".

15.06.2011:

Ottera, Dr. O.H., Bjerknes Centre for Climate Research, Bergen Norway : "*The role of natural external forcings for Atlantic multidecadal variability*".

Joint FB1/FB2/SFB754 seminar:

13.07.2011:

Sijp, Dr. W., Climate Change Research Centre, University of New South Wales, Sydney, Australia: *"Calculating the AMOC OFF state saddle node and transient behaviour".*

20.07.2011:
Gan, Assoc. Prof. Dr. J.-P., Division of Environment & Department of Mathematics, University of Science and Technology, Hong Kong, China: "*Intensified coastal upwelling, river plume and associated biogeochemical response in the northeastern South China Sea".*

22.08.2011:
Stenchikov, Dr. G., King Abdullah University of Science and Technology (KAUST), Kingdom of Saudi Arabia: "*Ocean Responses to Volcanic Radiative Forcing*".

24.08.2011:
Schneider, Dr. N., International Pacific Research Center and Department of Oceanography, University of Hawaii, USA: "*The response of the atmospheric Ekman layer and Ekman pumping to sea surface temperature fronts*".

29.08.2011:
Thurnherr, Dr. A., LDEO, Columbia University, Palisades NY, USA: "*Vertical velocity from LADCP data*".

10.10.2011:
Badin, Dr. G., Program in Atmospheric and Oceanic Sciences, Princeton University, USA: "*Submesoscale dynamics, coherent turbulence and lateral mixing in the ocean*".

12.10.2011:
Schmidtko, Dr. S., University of East Anglia, Norwich, England: "*The Pacific oxygen minimum zone and its ventilation pathways*".

09.11.2011:
Fletcher, Dr. C., University of Waterloo, Waterloo, ON, Canada: «*Understanding the zonal response to teleconnections*".

14.11.2011:
Szuts, Dr. Z., Zentrum für Marine und Atmosphärische Wissenschaften, Hamburg: "*Energy and energy fluxes of low-frequency waves along 26N in the Atlantic*".

18.11.2011:
Xiaoming, **Dr. Z.**, Atmospheric, Oceanic and Planetary Physics, Department of Physics, University of Oxford, Oxford, UK: "*Significant sink of ocean eddy energy near western boundaries and its potential influence on the large-scale ocean circulation*".

14.12.2011:
Widmann, Dr., M., School of Geography, Earth and Environmental Sciences, University of Birmingham, Birmingham, UK: "*Skill, correction and downscaling of GCM-simulated precipitation*".

15.12.2011:
Fuckar, Dr., N., International Pacific Research Center at University of Hawaii, Honolulu, Hawaii, USA: "*On the role of extratropical ocean circulation in the tropical-extratropical and interhemispheric interaction*".

Seminar Research Unit Maritime Meteorology

06.01.2011:
Fueglistaler, **Prof. Dr. S.**, Princeton University, Princeton, USA: "*Troposphere to Stratosphere Transport in the Tropics*".

20.01. 2011:
Krüger, **Prof. Dr. K.**, IFM-GEOMAR, Kiel: „*Was hat der Ozean mit der Ozonschicht zu tun?*".

27.01. 2011:
Hieronymi, **M.**, IFM-GEOMAR, Kiel: "*A different approach for Monte Carlo radiative transfer simulations - Proposal for underwater light fluctuations*" .

03.02.2011
Harlaß, **J.**, IFM-GEOMAR, Kiel: "*Detailed assessment of climate variability of the Baltic Sea for the period1958-2009*".

10.02.2011
Fuhlbrügge, **S.**, IFM-GEOMAR, Kiel: „*Meteorologische Auswertung der DRIVE-Poseidon Kampagne im tropischen Ostatlantik*".

17.02.2011
Metzner, **D.**, IFM-GEOMAR, Kiel: "*Climate impact and feedback of the Los Chocoyos eruption in the MPI-ESM*".

17.02.2011
Fuhlbrügge, **S.**, IFM-GEOMAR, Kiel: "*Atmospheric boundary layer determination for ship campaigns*".

Metzner, **D.**, IFM-GEOMAR, Kiel: "*Climate (ocean) response on the large volcanic eruption Los Chocoyos in the MPI ESM*".

23.06.2011
Volosciuk, C., TU Braunschweig und IFM-GEOMAR, Kiel: "*Scaling of precipitation extremes as a function of model resolution*".

30.06.2011
Claus, M., IFM-GEOMAR, Kiel: "*The Gulf stream extension region: its dynamics and possible influences on the atmosphere*".

Mohr, V., IFM-GEOMAR, Kiel: "*Tropical Widening*".

07.07.2011
Voß, A., IFM-GEOMAR, Kiel: "*Statistical modelling of Baltic Sea storm surges*".

Behrens, L., IFM-GEOMAR, Kiel: "*Climate relevant processes relevant for changing Arctic sea ice cover* ".

Gollan, G., IFM-GEOMAR, Kiel: "*An analysis of Northern winter circulation anomalies for the ERA40 period".*

FB2 Seminar

10.01.2011
Rehdanz, Prof. Dr. K., IFW, Kiel: "*Assessing the economics impact of ocean acidification*"

17.01.2011
Form, A., IFM-GEOMAR, Kiel: „*Einfluss des anthropogenen Klimawandels auf die Ökophysiologie der Kaltwasserkoralle Lophelia pertusa*"

19.01.2011
Ryabenko, E., IFM-GEOMAR, Kiel: "*Nitrogen isotope studies in the Atlantic and Pacific OMZs"*
24.01.2011
Meier, S., GPI, Universität Kiel: "*Coccolith size an weight response of Emiliania huxleyi to modern and past natural environmental changes: examples from the Baltic and Mediterranean Sea*"
26.01.2011
Bohlen, L., IFM-GEOMAR, Kiel: "*Benthic nitrogen cycling across the Peruvian oxygen minimum zone"*
26.01.2011
Hauss, H., IFM-GEOMAR, Kiel: "*Nitrogen Nitrogen fluxes in the Eastern Tropical Atlantic: Hints from the zooplankton*".
31.01.2011
Olgun, N., IFM-GEOMAR, Kiel: "*Can volcanic ash boost the oceanic food-web?*"
07.02.2011
Laruelle, Dr. G., Utrecht University, The Netherlands: "*The global coastal ocean: Typologies and applications from retention of riverine nutrients to CO_2 sources and sinks in estuaries and continental shelves*"
09.02.2011
Glock, N., IFM-GEOMAR, Kiel: "*Environmental influences on the pore density in Bolivina spissa. A possible paleoproxy for redox-conditions*".
Mallon, J., IFM-GEOMAR, Kiel: "*Benthic foraminifera from the Peruvian OMZ and their response to low-oxygen conditions"*
16.02.2011
Franz, J., IFM-GEOMAR, Kiel: "*Distribution of phytoplankton in the tropical Eastern South Pacific in relation to hydrographic and nutrient conditions"*
01.03.2011
Schäfer, Dr. H., University of Warwick, UK: "*Phylogenetic and functional diversity of microbial populations degrading dimethylsulfide and related compounds*"
07.03.2011
Bordelon, L., GPI, Universität Kiel: "*CO_2 Dependant DOM production*"
09.03.2011
Hahn, J., IFM-GEOMAR, Kiel: "*Mixing and Variability of the OMZ in the tropical North East Atlantic Ocean - First Steps/First Estimates"*
Lübbecke, J., IFM-GEOMAR, Kiel: "*Some Basics of Ocean Modeling and Applications in the SFB 754"*
16.03.2011
Böschen, T., IFM-GEOMAR, Kiel: "*Millennial scale changes in temperatures and productivity offshore Peru"*
Mosch, T., IFM-GEOMAR, Kiel: "*Habitats across the Peruvian OMZ - What are the controls?*"
21.03.2011
Hu, M., IFM-GEOMAR, Kiel: "*Comparative studies on acid-base regulation in a high CO_2 environment – convergent evolution of cephalopods and fish?*"
23.03.2011
Löscher, C., IFM-GEOMAR, Kiel: "*Microbial key processes in the nitrogen cycle off"*
Molier-Vogel, E., IFM-GEOMAR, Kiel: "*Nitrogen cycle recorded in the sediment in spatial and temporal scale"*
30.03.2011
Banyte, D., IFM-GEOMAR, Kiel: "*Diapycnal mixing in the North Tropical Atlantic OMZ"*
Schlundt, M., IFM-GEOMAR, Kiel: "*Glider-measurements in the tropical oceans"*
11.04.2011
Kreher, K., NIWA/Lauder: "*The hunt for halogen oxides (IO and BrO) in the marine boundary layer: From the Tropics to the Antarctic*"
13.04.2011
Kriest, I., IFM-GEOMAR, Kiel: "*Respective influences of circulation and biogeochemical parameters on simulated nutrient and oxygen fields"*
Somes, C., IFM-GEOMAR, Kiel: "*Balancing the fixed nitrogen budget in the global ocean"*
18.04.2011
Lischka, S., IFM-GEOMAR, Kiel: "*Sensitivity of Limacina helicina (Pteropoda) to ocean acidification and warming – What we know and what I would like to know*"
20.04.2011
Flöter, J., IFM-GEOMAR, Kiel: "*Modeling mid-Cretaceous climate with a coupled AOGCM (KCM)"*
Kiko, Dr. R., IFM-GEOMAR, Kiel: "*Zooplankton Ecophysiology - Cape Verde Island and Namibian waters"*
27.04.2011
Pisso, Dr. I., JAMSTEC, Japan: "*Contraints on CO_2 flux emissions: reconstructions of in-situ measurements from Lagrangian stochastic*"
02.05.2011
Ryabenko, Dr. E., IFM-GEOMAR, Kiel: "*Nitrogen isotopes in the Atlantic and Pacific OMZs*"
12.05.2011
Ryabenko, Dr. E., IFM-GEOMAR, Kiel: "*Nitrogen isotopes in the Atlantic and Pacific oxygen minimum zones"*
16.05.2011
Ho, D., University of Honolulu, Hawaii, USA: "*Towards a universal relationship between wind speed and air-sea gas exchange*"
18.05.2011
Noffke, A., IFM-GEOMAR, Kiel: "*The benthic phosphorus and iron source across the Peruvian OMZ"*
Wuttig, K., IFM-GEOMAR, Kiel: "*Temporal changes in the Biogeochemistry of Mn, Fe and Al after an artificial dust deposition to large mesocosms (DUNE project)"*
23.05.2011
Becker, M., Universität Kiel: "*CRDS-based field measurements of surface water pCO_2 and its*

isotope ratio"

25.05.2011

Heller, Dr. M., IFM-GEOMAR, Kiel: "*The impact of superoxide on trace metal redox cycles, reactions with organic material and dust dissolution in the open ocean"*

Kalvelage, T., IFM-GEOMAR, Kiel: "Spatial variability and oxygen sensitivity of N-cy*cle pathways in the OMZ off Peru"*

30.05.2011

Schneider, A., IFM-GEOMAR, Kiel: "*CFC-12 and SF6 measurements in the tropical Atlantic*"

01.06.2011

Großkopf, T., IFM-GEOMAR, Kiel: *„Oxygen minimum zones - novel niches for nitrogen fixing prokaryotes*"

Schunck, H., IFM-GEOMAR, Kiel: "*Metagenomics and metatranscriptomics in the Peruvian OMZ"*

06.06.2011

Bittig, H., IFM-GEOMAR, Kiel: "*Oxygen Sensor Calibration & Characterization – Everything you want to know about Optodes*"

15.06.2011

Czeschel, Dr. R., IFM-GEOMAR, Kiel: "*Mid-depth circulation of the eastern tropical South Pacific and its link to the oxygen minimum zone"*

Lorenzen, J., IFM-GEOMAR, Kiel: "*A new sediment core from the Bedoulian (lower Aptian) stratotype at Roquefort-La-Bédoule, SE France"*

20.06.2011

Baars, Dr. O., IFM-GEOMAR, Kiel: "*Distribution and speciation of zinc, cadmium and cobalt in the Southern Ocean"*

27.06.2011

Mecking, Dr. S., Univ. Washington, Seattle, USA: "*North Pacific decadal variability ranging from tracer ages via O_2 to pH*"

04.07.2011

Kahru, Dr. M., Scripps Institution of Oceanography, La Jolla, USA: "*Satellite Ocean Color Applications: from Global to Arctic to the Baltic*"

06.07.2011

Schwarzkopf, F., IFM-GEOMAR, Kiel: "*High-resolution modeling of the Tropical Oceans –Ventilation pathways into the northern Atlantic OMZ"*

11.07.2011

Taucher, J., IFM-GEOMAR, Kiel: "*Investigating the effects of global warming on the marine carbon cycle - a combination of biogeochemical modelling and experimental studies*"

13.07.2011

Ehlert, C., IFM-GEOMAR, Kiel: "*Changes in silicate utilization and upwelling intensity off Peru since the LGM – insights from silicon and neodymium isotopes"*

Grasse, P., IFM-GEOMAR, Kiel: "*Silicon Isotopes as a Tracer for Silicic Acid Utilization in the Peruvian Upwelling"*

10.10.2011

Deutsch, Prof. C., UCLA, Los Angeles, USA: "*A climatic pulse in the heart of the oxygen minimum zone*"

27.10.2011

Wiltshire, Prof. Dr. K., AWI Bremerhaven/Biol. Anstalt Helgoland: "*Helgoland Roads: 45 Years of change in the North Sea*"

31.10.2011

Altabet, Prof. M., UMASS, School of Marine Sciences, Dartmouth, MA, USA: "R*eevaluating interactions and feedbacks between global ocean nitrogen sources and sinks*"

07.11.2011

Körtzinger, Prof. A., IFM-GEOMAR, Kiel: "*The Cape Verde Ocean Observatory – a scientific hotspot and future strategic research platform*".

21.11.2011

Lohbeck, K., IFM-GEOMAR, Kiel: "*Rapid evolution of a key phytoplankton species: 500 generations in a high CO_2 world*"

24.11.2011

Dippner, PD Dr. J., Leibniz-Institut für Ostseeforschung, Warnemünde: *„Quo vadis, Ostsee?*"

28.11.2011

Lischka, S., IFM-GEOMAR, Kiel: "*Synergistic effects of temperature and CO_2 on the dissolution response of the thecosome pteropods Limacina helicina and L. retroversa during the Arctic winter*"

Seibel, Prof. B., University of Rhode Island: "*Existing oxygen levels are the threshold for marine life in oxygen minimum zones*"

05.12.2011

Lohmann, M., IFM-GEOMAR, Kiel: "*CVOO Cape Verde Ocean Observatory – a logistical focus*"

12.12.2011

Stöven, T., IFM-GEOMAR, Kiel: "*Ventilation processes and anthropogenic carbon of the Mediterranean Sea based on CFC-12 and SF6 measurements*"

FB4 / SFB574 Seminar

28.01.2011

Hoernle, Dr. H., IFM-GEOMAR, Kiel: "*New insights and ongoing studies concerning interaction between the Galapagos Hotspot and the Cocos-Nazca Spreading Center*"

Krastel, Dr. S., IFM-GEOMAR, Kiel: "*Lake Van Drilling Project PaleoVan*"

01.04.2011

Hauff, Dr. F., IFM-GEOMAR, Kiel: "*SO199 CHRISP (Christmas Island Seamount Province): Age and geochemistry of enigmatic intraplate volcanism in the southeast Indian Ocean*"

Behrmann, Dr. J., IFM-GEOMAR, Kiel: "*Looking deep at Walvis Ridge, offshore Namibia. Observation from Maria S. Merian Cruise 17/1*"

27.05.2011

Stipp, Dr. M., Kutterolf, Dr. S., IFM-GEOMAR, Kiel: "*Costa Rica Seismogenesis Project (CRISP) - IODP expedition 334*"

01.07.2011

Augustin, Dr. N., IFM-GEOMAR, Kiel: "*Calcium*

and strontium isotope ($\delta^{44/40}Ca$) fractionation in high temperature hydrothermal systems: Insights from 4°48´ S, MAR"

Shulgin, A., IFM-GEOMAR, Kiel: "*Subduction offshore northern Sumatra: crustal structure and its variations across the segment bouondary*"

26.08.2011

Petersen, Dr. S., IFM-GEOMAR, Kiel: "*Hydrothermal systems in the Manus Basin, Papua New Guinea: First results of the SONNE 216 cruise*"

Völker, Dr. D., IFM-GEOMAR, Kiel: *"Analysis of submarine landsliding in the rupture area of the 27 February 2010 Maule Earthquake, Chile"*

30.09.2011

Geldmacher, Dr. J., IFM-GEOMAR, Kiel: "*What is happening with IODP?*"

Klaucke, Dr. I., IFM-GEOMAR, Kiel: *"Acoustic imaging of cold seeps in the Black Sea*"

28.10.2011

Heydolph, Dr. K., IFM-GEOMAR, Kiel: "*The Shatsky Rise: the origin of an oceanic plateau*"

Crutchley, Dr. G., IFM-GEOMAR, Kiel: "*Processes driving gas seepage at Hydrate Ridge, offshore Oregon*"

25.11.2011

Kwasnitschka, Dr. T., IFM-GEOMAR, Kiel: "*Seafloor Visualization: Hard Science from Pretty Pictures"*

Ullemeyer, Dr. K., IFM-GEOMAR, Kiel: "*Textures and physical anisotropies of rocks evaluated from neutron diffraction data and laboratory experiments*"

Other Seminars

Sonderkolloquium Nachfolge Macke

20.01.2011:

Fink, Prof. Dr. A., Institut für Geophysik und Meteorologie der Univ. zu Köln: *„Dynamik und Vorhersagbarkeit ausgewählter wetter- und klimarelevanter atmosphärischer Prozesse über Nordafrika und dem tropischen Atlantik*".

Krüger, **Prof. Dr. K.**, IFM-GEOMAR Kiel: *„Was hat der Ozean mit der Ozonschicht zu tun?*".

Bühler, **Prof. Dr. S.**, Lulea University of Technology, Kiruna, Sweden: *„Satellitenfernerkundung von Wasserdampf und Wolken*".

21.01.2011:

Raible, PD Dr. C., Physics Institute, University of Bern, Switzerland: *„Klimavariationen gestern und heute – eine Brücke zum Verständnis der Zukunft?*".

Matthes, **Prof. Dr. K.**, FU Berlin: *„Quantifizierung natürlicher Klimavariabilität*".

24.01.2011:

Haynert, K. and **Glock, N.,** Seminar-Biomineralisierung, IFM-GEOMAR, Kiel: *„Biomineralization in Foraminifera*".

03.02.2011 „Kiel – Stadt der jungen Forscher 2011" Wir erforschen die Hintergründe des IPCC-Berichts oder die Wahrheit über den Klimawandel – 11. Klasse der Max-Planck-Schule Kiel.

Biostoch, A., IFM-GEOMAR, Kiel: *„Land unter? Meeresspiegelanstieg".*

Karstensen, J., IFM-GEOMAR, Kiel: *„Geht unsere Heizung aus? Golfstrom und Klimawandel*".

Krüger, K., IFM-GEOMAR, Kiel: *„Heizen Aschewolken das Klima an? Vulkane und Klimawandel".*

Latif, M., IFM-GEOMAR, Kiel: *„Was macht die Wetterküche? – Nordatlantische Oszillation und ihre Auswirkungen*".

Martin, T., IFM-GEOMAR, Kiel: *„Wie Warm wird es wirklich? Modellierung/Prognosen*".

Martin, T., IFM-GEOMAR, Kiel: *„Fieberthermometer der Erde? Gletscher und Klimawandel*".

10.05.2011

Krüger, **Prof. Dr. K.**, IFM-GEOMAR, Kiel: *„Vulkane und Klima: Lokale Ursache – globale Wirkung?*". Reihe Wissen schaffen.

12.05.2011:

Haynert, K., Butterbrotseminar P-OZ, IFM-GEOMAR, Kiel: *„Response of benthic foraminiferal species Ammonia aomoriensis at high pCO_2 ".*

05.07.2011:

Schwarzkopf, F.U., IFM-GEOMAR (SFB754 - Young Scientists seminar), Kiel: "*High-resolution modelling of the Tropical Oceans - Ventilation pathways into the northern Atlantic OMZ*".

15.10.2011:

Chandranath, Dr. B., Max Planck Research Group - Marine Isotope Geochemistry, Institute for Chemistry and Biology of the Marine Environment (ICBM), University of Oldenburg, Oldenburg: *"Seawater Neodymium Isotope Ratios in the Pacific Sector of the Southern Ocean".*

29.11.2011:

Krebs-Kanzow, Dr. U., IfG, CAU Kiel: *"Modelling of the Closure of the Central American Seaway in the Pliocene/Miocene".*

19.12.2011:

Weiner, A., Universität Tübingen: *„Genetic studies on planktonic foraminifera in the Caribbean*".

Jentzen, A., Universität Greifswald: *„Benthic foraminifera-based reconstruction of environmental changes during the last 150 years in the Skagerrak and Kattegat area*".

Ley, R., Universität Jena: *„Petrographic and hydrological investigations in Erdeborn – a geological approach to an archeological question*".

Löb, C., Universität Bochum: *„The onset of anoxic conditions in the lower Barremian of the Boreal Realm evidenced by benthic foraminifera*".

7.5 Expert Activities

Bange, H.W.:
- National Co-Representative, SOLAS (Surface Ocean – Lower Atmosphere Study).
- Co-Chair of Working Group 3 of 'The European Cooperation in the field of Scientific and Technical Research' (COST) Action 735: "Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases".

Behrmann, J.H.:
- Member, Board of Governors, Deutsches Geo forschungszentrum Potsdam
- Scientific Advisor (PhD candidates), University of Freiburg.
- Scientific Coordinator, DFG-SPP "SAMPLE" (South Atlantic)

Berndt, C.:
- Member, Sonne Gutachter Kommission

Biastoch, A.:
- Co-chair, SCOR WG 136 "Climatic Importance of the Greater Agulhas System"

Böning, C.:
- Member, wiss. Ausschüsse HLRN und DKRZ
- Member, Wissenschaftliche Steuergruppe des BMBF-Verbundvorhabens NORDATLANTK

Brandt, P.:
- Chair, CLIVAR-TACE Observations Working-Group
- Co-chair, CLIVAR Atlantic Implementation Panel
- Vice-President, EGU Division on Ocean Sciences
- Science Secretary for Deep Oceans and Ocean Climate in the Ocean Science Division of EGU
- Member, AMMA International Scientific Steering Committee
- Member, PIRATA Scientific Steering Group
- Member, Medium research vessel Steering Group

Clemmesen, C.:
- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).
- Member, ICES Working Group on Recruitment Processes.
- Member and Secretary elect, Early Life history section of the American Fisheries Society.

Devey, C.:
- Deutscher Repräsentant von SCOR (DFG)

Dullo, W.-Chr.:
- Member, Fachkollegium 314 „Geologie und Paläontologie" der Deutschen Forschungsgemeinschaft (DFG)
- Member, Award Committee for Humboldt- and Wilhelm Bessel Research Awards, Alexander von Humboldt Foundation
- Chair, Bildungsstiftung Schleswig-Holstein
- Co-chair, Maritimes Forum Kiel
- Representative of Germany, CIESM
- Chair, Scientific Advisory Board, Deutsches Meeresmuseum Stralsund
- Chair, Verein zur Förderung der GeoUnion Alfred-Wegener-Stiftung e.V.
- Treasurer, GeoUnion Alfred-Wegener-Stiftung e.V.
- Member, Executive Committee, Geologische Vereinigung
- Member, Award Committee for Humboldt- and Wilhelm Bessel Research Awards, Alexander von Humboldt Foundation

Engel, A.:
- Member, BIOACID Steering Committee
- Member, EPOCA Steering Committee
- Planing Group Member, Japanese German Frontiers of Sciences 2012, AvH Gesellschaft
- Member, SOLAS Steering Committee

Flüh, E, R.:
- Member, FKPE (Forschungskollegium Physik des Erdkörpers e.V.)

Frank, M.:
- Member, International Steering Committee, GEOTRACES program
- Member, Beirat Kölner Hochleistungs-Beschleuniger-Massenspektrometer, DFG
- Mitglied, Beirat Leibniz Labor für Altersbestimmung und Isotopenforschung der CAU Kiel
- Member, Management Committee of COST Action ES0801 (Ocean Chemistry)

Froese, R.:
- Coordinator, FishBase Consortium.
- Coordinator, AquaMaps Consortium.
- Member, DFG Arbeitsgruppe zu Biodiversitätsdaten.

Herzig, P.M.:
- Maritime Coordinator of the State of Schleswig-Holstein
- Maritime Ambassador of the European Commission
- Member, Executive Board, Leibniz Association, Berlin
- Chair, Section „Environmental Research" of the Leibniz Association (WGL)
- Chair, Partnership for Observation of the Global Oceans
- Member, Board of Governors, Alfred Wegener Institut für Polar- und Meeresforschung, Bremerhaven
- Member, Board of Governors, BGR, Hannover
- Member, External Advisory Council, Halifax Marine Research Institute (HMRI), Halifax, Canada
- Member, Foresight Panel, Federal State of Schleswig-Holstein

Hinrichsen, H.-H.:
- Member, ICES Working Group on Modeling of Physical/Biological Interactions.

Imhoff, J.F.:
- Chairman, ICBS Subcommittee on the Taxonomy of Phototrophic Bacteria.
- Scientific steering committee of the International Symposium of Phototrophic Bacteria.

Karstensen, J.:
- Member, Data Buoy Cooperation Panel (DBCP)
- Member, OceanSITES Steering Team
- Member, OceanSITES Data Management Team
- German representative COST Aktion ES0904 European Glider Initiative
- German representative COST Aktion ES1001 SMOS Mission Oceanographic Data Exploitation

Kassens, H.:
- Director, Otto Schmidt Laboratory for Polar and Marine Research, St. Petersburg
- Chair, Master Program for Applied Marine and Polar Sciences (POMOR)
- Chair, Wissenschaftlicher Beirat der Deutschen Gesellschaft für Polarforschung
- Chair, Working group „Arctic Shelf Seas" of ICARP II (International Conference on Arctic Research Planning)
- Chair, AOSB Program New Research Generation (NRG)
- Member, ICARP II Marine Roundtable
- Member, International Ocean Drilling Program (IODP) Detailed Planning Group for Arctic Drilling
- Member, International Arctic Polynya Programme (AOSB; IAPP)
- Member, Shelf-Basin Exchange Initiative (AOSB; SBE)
- Member, German Committee of the „International Arctic Science Committee" and the „Science Committee on Antarctic Research"
- Member, Kommission unabhängiger Sachverständiger zur Beurteilung der Umweltauswirkungen von Forschungstätigkeiten in der Antarktis
- Representative of Deutsche Forschungsgemeinschaft (German Research Foundation), ESF Standing Committee for European Boards for Marine and Polar Sciences

Krahmann, G.:
- Member, Scientific Advisory Committee Europole Mer, Brest, France

Körtzinger, A.:
- Member, Scientific Advisory Board, Leibniz Institute for Baltic Sea Research, Warnemünde
- Member, Senate Commission on Oceanography, German Research Foundation
- Fellow, Kiel Earth Institute (KEI)

Kopp, H.:
- Member, Board of the Deutsche Geophysikalische Gesellschaft

Krastel, S.:
- Member, IODP Scientific Technology Panel

Latif, M.:
- Ordentliches Mitglied, Akademie der Wissenschaften in Hamburg
- Member, Club of Rome

Lehmann, A.:
- Member, BALTEX Scientific Steering Group
- Vice Chair, Working Group on POSTBALTEX

Petersen, S.:
- Member, InterRidge Working Group on Massive Sulfides
- Member, Steering Comittee of the SPC-SOPAC-EU Pacific Marine Minerals and Deep Sea Mining Assessment Project

Piatkowski, U.:
- Member, ICES Working Group on Cephalopod Life Cycles and Fisheries.
- Member, Scientific Advisory Board of the Annette-Barthelt-Foundation.
- Member, Cephalopod International Advisory Council (CIAC).

Quack, B.:
- Member, Thesis Committee Stefan Raimund, Université de Bretagne Occidentale, Brest, Station Biologique Roscoff, France
- Member, Member of COST Action 735 'Tools for Assessing Global Air–Sea Fluxes of Climate and Air Pollution Relevant Gases' European Concerted Research Action.
- Member, Steering Committee SHIVA (Stratospheric Ozone: Halogens Impacts in a Varying Atmosphere), EU-Project

Reusch, T.:
- Member, Advisory Board DFG-Schwerpunktprogrammes 'Host-parasite coevolution'
- Member, Advisory Board BMBF-Verbundvorhabens 'Ocean Acidification – Ozeanversauerung- BIOACID'

Riebesell, U.:
- Coordinator, German coordinated project on Biological Impacts of Ocean Acidification (BIOACID)
- Deputy coordinator, European Project on Ocean Acidification (EPOCA)
- Chair, IOC working group for preparing a Guide for Best Practices in Ocean Acidification Research
- Member, SOLAS/IMBER Joint Carbon Implementation group
- Member, SOLAS-IMBER Working Group on Ocean Acidification
- Member, National Environment Research Council (NERC) writing group commissioned to develop a UK programme on ocean acidification
- Member, U.S. National Research Council

(NRC) commission for preparing a research strategy for Ocean Acidification Monitoring, Research and Impacts Assessment
- Member, Scientific Advisory Board, Chinese project Carbon cycling in China Seas (CHOICE-C)
- Project leader, Collaborative Research Centre Climate – Biogeochemistry Interactions in the Tropical Ocean

Quack, B.:
- Member, Member of COST Action 735 'Tools for Assessing Global Air–Sea Fluxes of Climate and Air Pollution Relevant Gases' European Concerted Research Action.
- Member, Steering Committee SHIVA (Stratospheric Ozone: Halogens Impacts in a Varying Atmosphere), EU-Project

Rumohr, H.:
- Member ICES Benthos Ecology Working Group (BEWG)
- Member, ICES Working Group on Biodiversity
- Member, ICES SCICOM (Alternate)

Schaber, M.:
- Member, ICES WGBIFS: Baltic International Fish Survey Working Group

Schmidt, J.O.:
- Member, ICES Working Group on Zooplankton Ecology
- Member, ICES PGHERS: Planning group for herring surveys
- Member, ICES HAWG: Herring assessment working group for the area south of 62°N

Schönfeld, J.:
- Secretary, Sub-commission on Cretaceous Stratigraphy, Germany
- Regular member, Subkommission für Kreide-Stratigraphie

Sommer, U.:
- Chair, Board of Trustees of the Max-Planck-Institute for Evolutionary Biology, Plön.
- Chair, Scientific Advisory Board, Institute for Limnology of the Austrian Academy of Sciences, Mondsee, Austria

Spielhagen, R.F.:
- Member, German Steering Committee, Arctic Paleoclimate and its Extremes (APEX) (IASC Project)

Tanhua, T.:
- Chair, Scientific Steering Group, The International Ocean Carbon Coordination Project (IOCCP)
- Member, Global Ocean Ship-based Hydrographic Investigations Panel (GO_SHIP)
- Member, CLIVAR Global Synthesis and Observation Panel (GSOP)
- Member, CARBOCHANGE (EU FB7), Chair, Intellectual Property Rights Panel
- Member, Scientific Steering Group, SOLAS/IMBER Carbon Working Group 2

Tegtmeier, S.:
- Co-lead SPARC Data Initiative

Thetmeyer, H.:
- Member, ICES Working Group on Environmental Interactions of Aquaculture (WGEIM)

Treude, T.:
- Member, Scientific Steering Committee and chapter lead of the UNEP-GRID book project „Frozen Heat - A UNEP global outlook on methane gas hydrate"
- Member, management committee and work group leader of the EU-COST project PERGAMON (Permafrost and gas hydrate related methane release in the Arctic and impact on climate change: European cooperation for long-term monitoring)

Visbeck, M.:
- Member, Steuergruppe BMBF Verbundprojekt „Nordatlantik"
- Member, Network "The Future Ocean" , CAU, Kiel
- Member, IOC Working Group Advisory Body of Experts on the Law of the Sea
- Member, Senatskommission für Ozeanographie
- Speaker, Cluster of Excellence "The Future Ocean"
- Co-Chair, CLIVAR Scientific Steering Group
- Member, Nationales Komitee für Global Change Forschung
- Member of the ICSU Transition Team, the interim governing body of the new global sustainability initiative „Future Earth"
- Member, AGU Ocean Science Section Executive Committee
- Member, 1999-present NOAA-OAR/OGP Climate observing system council

Voss, R.:
- Member, GLOBEC SPACC/IOC Study Group on Regional Scale Ecology of Small Pelagic Fish.
- Member, ICES Study Group on Baltic Fish and Fisheries Issues in Support of the Baltic Sea Regional Project.
- Member, ICES Study Group on Multispecies Assessments in the Baltic.
- Member, ICES Study Group on Multispecies Model Implementation in the Baltic.

Wahl, M.:
- Board of Trustees of Terramare, Wilhelmshaven
- National representative to the Baltic Marine Biologists Committee

Wallace, D.W.R.:
- Chair, International SOLAS programme (IGBP, WCRP, SCOR, CACGP)
- Speaker SFB 754
- Coordinator SOPRAN Project (Surface Ocean Processes in the Anthropocene) National Coordinated Project (BMBF)

- Member, Advisory Board, Hanse Wissenschaftskolleg, Delmenhorst
- Member, Advisory Board, Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven
- Member, Conseils Scientifique, L'Institut Universitaire Européen de la Mer (IUEM), Brest, France
- Member, Management Committee, WG 5 of COST Action 735 "Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases".
- Member, OceanSITES Steering Committee

Wegner, C.:
- Chair, ICARP II Marine Roundtable
- Chair, Arctic in Rapid Transition (ART) Initiative
- Member, OMAE Scientific Committee – Coastal Engineering

Weinrebe, W.:
- Member, Advisory Board, German Hydrographic Society (DHyG)
- Member, wissenschaftlich-technische Arbeitsgruppe Ersatzbau SONNE

7.6 Editorial Boards

Bauch, H. A.:
- Quaternary Science Reviews, Paleoceanography (Associate Editor)

Behrmann, J.H.:
- Journal of Geological Research (Editorial Board)

Berndt, C.:
- Marine Geology (Guest editor)

Bialas, J.:
- Marine Geology (Guest Editor)

Böning, C.:
- Ocean Modelling (Editorial Board)

Böttger-Schnack, R.:
- World Register of Marine Species (WoRMS) (*Copepodenfamilie Oncaeidae*) (Associate Editor)

Dullo, W.-Chr.:
- International Journal of Earth Sciences, IJES (Editor in Chief)
- Facies (Associate Editor)

Eizaguirre, C.:
- Molecular Ecology (Guest Editor)
- Frontiers in Genetics (Review Board Member)

Fietzke, J.:
- Analytical and Bioanalytical Chemistry (Guest Editor)

Froese, R.:
- Acta Ichthyologica et Piscatoria (Editorial Board)
- Journal of Applied Ichthyology (Editorial Board)

Greatbatch, R.:
- Ocean Dynamics (Associate Editor)

Grevemeyer, I.:
- Geophysical Journal International (Editorial Board)

Imhoff, J.F.:
- International Microbiology, (Editorial Board).

Karstensen, J.:
- Journal of Operational Oceanography (Editorial Board)

Lehmann, A.:
- Boreal Environmental Research (Editorial Board)
- Oceanological and Hydrobiological Studies (Editorial Board)

Oschlies, A.:
- Ocean Dynamics (Editorial Board)
- Ocean Modelling (Editorial Board)

Piatkowski, U.:
- Aquatic Biology (Review Editor)
- Endangered Species Research (Review Editor).

Reusch, T.:
- Conservation Genetics (handling editor)
- Marine Biology (handling editor)

Riebesell, U.:
- Biogeosciences (Co-Editor)

Santer, B.:
- Marine Biology (Assistant to the editorial staff)

Semenov, V.:
- IPCC Special Report on Extreme Events (Review Editor)

Sommer, U.:
- Protist (Associate Editor)
- Oecologia (Handling Editor)
- International Review of Hydrobiology (Editorial Board)
- Basic and Applied Ecology (Editorial Board)
- Aquatic Sciences (Editorial Board).
- Ecological Studies (Springer) (Series Editor)
- Marine Biology, Springer, (Editor-in-Chief)

Spielhagen, R. F.:
- Polar Research, Geosciences (Subject Editor)

Tanhua, T.:
- Earth System Science Data (Guest editor)

Treude, T.:
- Biogeosciences (Editorial Board)

Wallace, D. W. R.:
- Science (Member of the Board of Reviewing Editors)

7.7 Honors & Awards

Appelhans, K.:
- Posterpreis, 45. European Marine Biology Symposium (EMBS) in Edinburgh, UK, 23.-27.08.2010.

Biastoch, A.:
- Golden Spike Award for High-Performance Computing at HLRS, Stuttgart, 05.10.2010.

Dengg, J.:
- Kai-Uwe v. Hassel Förderpreis, Hermann Ehlers Stiftung, 18.11.2010.

Dmitrenko, I.:
- Publikationpreis, IFM-GEOMAR, Kategorie FB1

Dullo, W.-Chr.:
- Werner Heisenberg-Medaille, Alexander von Humboldt-Stiftung, 31.03.2011.

Herzig, P.:
- Verdienstorden des Landes Schleswig-Holstein, 05.06.2009.

Hetzinger, S.:
- Best non-student poster presentation prize, 2nd International Sclerochronoloy Conference, Mainz, 28.07.2010.

Kopp, H.:
- Gauss Lecturer, Deutsche Geophysikalische Gesellschaft, 6. April 2011.

Maczeassek, K.:
- Posterpreis, 45. European Marine Biology Symposium (EMBS) in Edinburgh, UK, 23.-27.08.2010.

Marandino, C.:
- Helmholtz-Nachwuchsgruppe, November 2011

Mohr, W.:
- Publikationpreis, IFM-GEOMAR, Kategorie FB2

Nürnberg, D.:
- außerplanmäßige Professur, Universität Kiel, 19.05.2010.

Pansch, C.:
- Bester Vortrag, 45. European Marine Biology Symposium (EMBS) in Edinburgh, UK, 23.-27.08.2010.

Petrick, G.:
- Highly Cited Author Award 2005-2009, "A global survey of perfluorinated acids in oceans", Marine Pollution Bulletin (Elsevier), June 2010

Planert, L.:
- Publikationpreis, IFM-GEOMAR, Kategorie FB4

Scholz, F.:
- Annette Barthelt-Preis, Annette Barthelt Stiftung and BMBF, 27.05.2011

Toohey, M.:
- Young Scientists' Outstanding Poster Presentation (YSOPP) Award der European Geosciences Union (EGU), Vienna, Austria, 02.-07.05.2010

Winder, M.:
- Publikationpreis, IFM-GEOMAR, Kategorie FB3

7.8 Technology Transfer / Patents

Eisenhauer A.: Verfahren zur Kalibrierung von Beckenmodellen mittels Ca-Isotopen Thermometrie, DE 10 2011 112 292.7, erteilt.

Imhoff, J.F., **Wiese, J.**, Zinecker, H., Kajahn, I., Nagel, K., Schneemann, I.: Herstellung und Verwendung antibakterieller, antiproliferativer und antiphytopathogener Benzanthrine. Anmeldetag: 28.01.2010 (PCT/DE2010/001375), Offenlegung:15.09.2011, PVA-Nummer: DE 10 2010 006 245.A1

Petrick, G.: Verfahren zum Austreiben von Gasen und leichtflüchtigen Substanzen aus Wasser mittels Hochfrequenz, Deutsches Patent- und Markenamt, Germany, DE000010164434A1, erteilt.

Wallmann K., **Haeckel M.**: Verfahren zur Erdgasförderung aus Kohlenwasserstoff-Hydraten bei gleichzeitiger Speicherung von Kohlendioxid in geologischen Formationen, Deutsches Patent- und Markenamt, Germany, DE 10 2009 007 453.8, erteilt 27.02.2011.

8. Teaching Courses

8.1 External teaching courses

Biastoch, A.: Lehre im Rahmen der GATEWAYS Summer School, Cardiff, UK, 20.-24.07.2011.

Biastoch, A.: Lehre im Rahmen des 2nd DBCP Africa/Western Indian Ocean Capacity Building Workshop, Mauritius, 02.-06.05.2011.

Böttger-Schnack, R.: Lehre im Rahmen des "Pre-Conference Training Workshop on Morphology and Systematics of Copepods", El Colegia de la Frontera Sur (ECOSUR), Chetumal, Quintana Roo, Mexico, 04.-08.07.2011.

Brandt, P.: *Tropical Oceanography.* Physics of the Ocean. DPG - School, Physikzentrum Bad Honnef, 12.09.2011.

Dengler, M.: *Mixing in the Ocean's Interior*. Physics of the Ocean. DPG - School, Physikzentrum Bad Honnef, 15.09.2011.

Haeckel M.: Gas hydrates in the marine environment: From cold seeps to gas production & CCS. Graduate School "BuildMoNa", University of Leipzig, 16.09.2011.

Haeckel M.: Modelling of methane budgets & Gas hydrates as a potential energy resource. ECORD Summerschool "Subseafloor fluid flow and gas hydrates", MARUM, University of Bremen, Germany, 14.-15.09.2011.

Klagge, T.: Data management, Master Program for Polar and Marine Sciences POMOR/St. Petersburg State University, St. Petersburg, Russia, 05.-09.12.2011.

Körtzinger, A.: Modul "CO_2 in the Ocean" (4 ETCS points), Lehre im Rahmen des Master-Programms "Oceanografía", Universidad de Las Palmas de Gran Canaria, Las Palmas, 10.-14.01.2011.

Krastel, S.: Lehre im Rahmen GESEP-School, Münster, 16-17.03.2011

Krastel, S.: Short course 'Seismic and acoustic imaging of sedimentary structures including hydrocarbon exploration and geohazard evaluation, Montevideo, Uruguay, 21.-24.11.2011.

Krastel, S.: Short course 'Submarine Mapping (Techniques and Exercises)', Kasetsart University, Bangkok, Thailand, 22.-26.08.2011

Latif, M.: *Ocean and Climate.* Physics of the Ocean. DPG - School, Physikzentrum Bad Honnef, 14.09.2011.

Soria-Dengg, S.: Sommerschule Wissenschaftskommunikation - Meeresforschung verstehen und weitersagen, JuniorAkademie Schleswig-Holstein und Hamburg, St. Peter-Ording, 03.-16.07.2011.

Spielhagen, R.F.: Arctic Marine Geology: Arctic Ocean's sediments, paleoceanography and role in global climate evolution, The University Centre in Svalbard (UNIS), Longyearbyen, Norway, 26.-30.09.2011

Sabbaticals:

Devey, C., November 2010 – October 2011, WHOI, USA

8.2 Teaching at Christian-Albrechts-Universität zu Kiel
Please note: This is an extract of the official course listing of the Christian-Albrechts-Universität zu Kiel. Only contributions by IFM-GEOMAR staff are listed.

W I N T E R - T E R M 2010/2011

Research Division 1: Ocean Circulation and Climate Dynamics

"North Atlantic Decadal Climate variability" Emmy-Noether-Arbeitsgruppentreffen,	Keenlyside, N.S.
Advanced Meteorological Seminar: „Atmosphere Cryosphere Interactions", S; 2 SWS	Martin, Th., Toohey, M., Maraun, D.
Advanced Physical Oceanography: Thermohaline Circulation (MNF-ozgr-301a), V; 2 SWS	Brandt, P., Greatbatch, R.,
Angewandte Programmierübungen UNIX/Fortran/Matlab (für Haupt- und Nebenfächler), UE; 2 SWS;	Kanzow, T., Scheinert, M.
Angewandte Synoptik, V; 2 SWS	Bumke, K., Martin, Th.
Angewandte Synoptik, UE; 2 SWS	Bumke, K., Martin, Th.
Anleitung zu selbständigem wissenschaftlichen Arbeiten, AW	Latif, M., Macke, A., Dommenget, D., Krüger, K.
Atmosphären und Ozean Dynamik II, V; 2 SWS	Böning, C.
Übungen zur Vorlesung: Atmosphären und Ozean Dynamik II, UE; 2 SWS	Biastoch, A.
Geophysical Fluid Dynamics I Fundamentals, V; 2 SWS	Greatbatch, R.
Geophysical Fluid Dynamics II Waves, Instabilities, Energetics, V; 2 SWS	Latif, M.
Geophysical Fluid Dynamics I & II, UE; 2 SWS	Lübbecke, J.
Feedbacks in the Climate System, V; 2 SWS	Oschlies, A.
Feedbacks in the Climate System, UE; 1 SWS	Flöter, J.
Einführung in die Erdöl- und Erdgasgeologie, V; 2 SWS	Dullo, W.-Ch.
Einführung in die Meteorologie, V; 3 SWS	Krüger, K.
FB1-Seminar, S;	Böning, C., Dullo, W.-Ch., Frank, M., Latif, M., Nürnberg, D., Visbeck, M., Brandt, P., Krüger, K., Greatbatch, R.
Literaturseminar der Meteorologie, Ozeanographie, Geophysik, S; 2 SWS	Brandt, P., Krüger, K., Martin, Th., Rabbel, W.

Meereswissenschaftliches Kolloquium, KO	Professoren und Dozenten des IFM-GEOMAR
Modern Aspects in Oceanography I: „Tropical Ocean Dynamics: Processes and Role in Climate Variability", V; 2 SWS	Brandt, P., Dengler, M.
Modern Aspects in Oceanography I: „Tropical Ocean Dynamics: Processes and Role in Climate Variability", S; 1 SWS	Brandt, P., Dengler, M.
Modern Aspects in Meteorology I: "Tropical Meteorology", V, 2 SWS	Keenlyside, N.S., Latif, M., Krüger, K., Tegtmeier, S., Maraun, D.
Modern Aspects in Meteorology I: „Tropical Meteorology", UE, 2 SWS	Keenlyside, N.S., Latif, M., Krüger, K., Tegtmeier, S., Maraun, D.
Regionale Ozeanographie, V; 2 SWS	Visbeck, M.
Regionale Ozeanographie, UE; 2 SWS	Kanzow, T., Karstensen, J.
Seminar für Diplomanden der Meteorologie, S; 2 SWS	Krüger, K.
Seminar für Diplomanden der Physikalischen Ozeanographie, S; 2 SWS	Böning, C., Visbeck, M., Brandt, P.
Seminar für Diplomanden und Doktoranden: Aktuelle Forschungsergebnisse der marinen Geologie, S; 1 SWS	Frank, M.
Seminar für Doktoranden der Physikalischen Ozeanographie, S; 2 SWS	Böning, C., Visbeck, M., Brandt, P.
Seminar: Fortschritte der Karbonatsedimentologie für Diplomanden und Doktoranden, S; 2 SWS	Dullo, W.-Ch., Frank, M.
Trace Metals in Sea Water (MNF-mgeo-CP), S; 2 SWS	Frank, M.

Reseach Division 2: Marine Biogeochemistry

Advanced Biological Modelling, V/UE; 2 SWS	Oschlies, A., Pahlow, M.
Allgemeine Meereschemie I, V; 2 SWS	Wallace, D.W.R.
Biogeochemistry of Marine Sediments II , V; 1 SWS	Treude, T.
Current Topics in Marine Biogeochemistry II, V/UE; 3 SWS	Riebesell, U.
Current Topics in Marine Biogeochemistry II, S; 2 SWS	Riebesell, U., Körtzinger, A.
Doing Science, V; 1 SWS	Wahl, M., Wallace, D.W.R., Lenz, M., Werner, I.
Doing Science, UE; 2 SWS	Wahl, M., Wallace, D.W.R., Lenz, M., Werner, I.

Early Earth Life, Extreme Environments and Astrobiology, S; 3 SWS	Treude, T.
Einführung in die marine Geochemie I, V; 2 SWS	Wallmann, K.
Introduction to Biological Oceanography, V; 3 SWS	Imhoff, J.F., Riebesell, U., Sommer, U., Wahl, M., LaRoche, J., Garthe, S., Aberle, N., Weinberger, F., Reusch, Th.B.H., Reijnders, P., Treude, T.
Introduction to Chemical Oceanography, V; 2 SWS	Wallace, D.W.R.
Introduction to Chemical Oceanography, UE; 1 SWS	Wallace, D.W.R., Croot, P.
Klimarelevante Spurengase im Ozean, V; 2 SWS	Bange, H.
Marine Animal Physiology, V; 2 SWS	Melzner, F.
Mechanisms of biomineralization, 2 SWS	Melzner, F.
Marine Biogeochemie, V/UE; 4 SWS	Wallmann, K. Haeckel, M. Sommer, S. Hensen, Ch., Dale, A.
Meereschemie und Chemische Ozeanographie - Teil II, V; 2,5 SWS	Körtzinger, A.
Meereschemisches Praktikum I mit Seminar, P/SEM; 4 SWS	Bange, H.
Meereschemisches Praktikum II und Seminar, P/SEM; 4 SWS	Croot, P., Bange, H., Körtzinger, A., Wallace, D.W.R., Tanhua, T., Quack, B.
Multidisciplinary Oceanographic Research, 8 SWS	Riebesell, U., LaRoche, J., Antia, A., Wahl, M., Reusch, Th.B.H., Sommer, U.
Phytoplankton: from genome to ecology, V; 2 SWS	LaRoche, J.
Seminar Biogeochemische Modellierung, S; 2 SWS	Oschlies, A.
Seminar Biogeochemische Modellierung, S; 2 SWS;	Oschlies, A.
Übungen zur Vorlesung Allgemeine Meereschemie I, UE; 1 SWS;	Wallace, D.W.R., Bange, H.

Research Division 3: Marine Ecology

Biodiversity of Fishes, V/UE; 2 SWS	Froese, R.
Current Topics in Fish Ecology, S; 2 SWS	Reusch, Th.B.H., Eizaguirre, Ch.
Current Topics in Marine Ecology II, S; 2 SWS	Sommer, U., Javidpour, J., Matthiessen, B., Molinero, J.C., Wahl, M., Weinberger, F.
Current Topics in Marine Ecology II, V/UE; 3 SWS	Javidpour, J., Matthiessen, B., Molinero, J.C., Sommer, U., Wahl, M., Weinberger, F.
Einführung in die Meeresbiologie, V; 2 SWS	Sommer, U., Imhoff, J.F., Wahl, M., Riebesell, U., Reusch, Th.B.H.
Fish Systematic, Biology and Evolution, V; 1 SWS	Hanel, R.
Introduction to Biological Oceanography, V; 3 SWS	Imhoff, J.F., Riebesell, U., Sommer, U., Wahl, M., LaRoche, J., Garthe, S., Aberle, N., Weinberger, F., Reusch, Th.B.H., Reijnders, P., Treude, T.
Multidisciplinary Oceanographic Research, 8 SWS	Riebesell, U., LaRoche, J., Antia, A., Wahl, M., Reusch, Th.B.H., Sommer, U.
Practical Course in Biological Oceanography, UE; 1 SWS	Piatkowski, U., Sommer, U., Wahl, M., Rumohr, H., Spindler, M., Schiel, S., Reijnders, P., Hanel, R., Reusch, Th.B.H., von Bröckel, K., Oschlies, A., Melzner, F., Antia, A., Clemmesen-Bockelmann, C., Froese, R., Aberle, N., Matthiessen, B., Molinero, J.C.
Practical Course in Biological Oceanography, Master and Master, P; 12 SWS	Piatkowski, U., Sommer, U., Wahl, M., Rumohr, H., Spindler, M., Schiel, S., Reijnders, P., Hanel, R., Reusch, Th.B.H., von Bröckel, K., Oschlies, A., Melzner, F., Antia, A., Clemmesen-Bockelmann, C., Froese, R., Aberle, N., Matthiessen, B., Molinero, J.C.
Seminar Evolutionsökologie Mariner Fische, S; 1 SWS	Reusch, Th.B.H., Eizaguirre, Ch.
Seminar für Diplomanden und Doktoranden, S; 2 SWS	Imhoff, J.F.
Seminar für Marine Mikrobiologie, S; 2 SWS	Imhoff, J.F

Reseach Division 4: Dynamics of the Ocean Floor

Aktuelle Forschungsthemen in der Marinen Geodynamik, S; 2 SWS	Behrmann, J.H., Kopp, H.
Akustische Abbildung von sedimentären Strukturen im Ozean, V; 4 SWS	Krastel-Gudegast, S.
Einführung in die Sedimentbecken-Modellierung, V/UE; 4 SWS	Rüpke, L.
Einführung in die Geochemie der Gesteine, V; 2 SWS	Hansteen, Th., Hauff, F.
Einführung in die Geophysik I, V; 2 SWS	Kopp, H.
Einführung in die Tektonik/ Strukturgeologie, V; 2 SWS	Behrmann, J.H.
Magmatismus der Erde mit mikroskopischen Übungen, V; 3 SWS	Hansteen, Th., Halama, R.
Petrologie und Hydrothermalismus der Ozeankruste, V/UE; 2 SWS	Devey, C.W., Lackschewitz, K., Petersen, S.
Magmatische Prozesse und Plattentektonik, V; 1 SWS	Hoernle, K.
Marine Resources, V/UE; 3 SWS	Petersen, S.
Petroleumgeophysik, V, 4 SWS	Berndt, Ch., Kopp, H., Jegen-Kulcsar, M.
Petrologisch-Geochemisches Seminar, S: 2 SWS	Hoernle, K.
Schmelzeinschlüsse in magmatischen Mineralen, S	Hansteen, Th.

S U M M E R - T E R M 2011

Research Division 1: Ocean Circulation and Climate Dynamics

Atmosphären und Ozean Dynamik I, V; 2 SWS	Böning, C.
Übungen zur Vorlesung: Atmosphären und Ozean Dynamik I, UE; 2 SWS	Biastoch, A.
Data Analysis, V; 2 SWS	Maraun D.
Data Analysis, UE; 2 SWS	Maraun D.
FB1-Seminar, S	Böning, C., Dullo, W.-Ch., Frank, M., Latif, M., Nürnberg, D., Visbeck, M., Brandt, P., Krüger, K., Maraun, D.
Feldpraktikum Messmethoden der Meteorologie, P; 3 SWS	Bumke, K., Stick, C.

Feldpraktikum Messmethoden der Ozeanographie, P; 3 SWS	Karstensen, J.
Mikrofossilien als Proxis für Klima und Umwelt, V; 1 SWS	Nürnberg, D.
Geologie der Albula Querzone: Stratigraphie und Tektonik zwischen Unter- und Oberostalpin, EX;	Dullo, W.-Ch.
Introduction to Physical Oceanography, V; 3 SWS	Visbeck, M., Greatbatch, R.
Klima Physik, V; 2 SWS	Latif, M.
Klima Physik), UE; 2 SWS	Martin, Th.
Meereswissenschaftliches Kolloquium, KO;	Professoren und Dozenten des IFM-GEOMAR
Messmethoden der Ozeanographie, V;	Kanzow, T., Brandt, P., Visbeck, M., Fischer, J., Dengler, M.
Messmethoden Meteorologie, V; 2 SWS	Bumke, K.
Modern Aspects in Oceanography IV, V; 2 SWS	Greatbatch, R.
Modern Aspects in Oceanography IV, UE; 1 SWS	Greatbatch, R.
Oz.-Met. Climate Seminar, S; 2 SWS;	Krüger, K., Böning, C.
Ozeanphysik Übung, UE; 2 SWS	Dengler, M., Karstensen, J.
Ozeanphysik Vorlesung, V; 2 SWS	Brandt, P.
Regional Climate Variability, V; 2 SWS	Visbeck, M.
Regional Climate Variability, UE; 1 SWS	Kanzow, T.
Petroleum Geology / Erdölgeologie, V, 2 SWS	Dullo, W.-C.
Seminar für Diplomanden der Meteorologie, S; 2 SWS	Krüger, K., Maraun, D.
Seminar für Diplomanden der Physikalischen Ozeanographie, S	Böning, C., Visbeck, M., Brandt, P.
Seminar für Diplomanden, Doktoranden und Masterstudenten: Aktuelle Forschungsergebnisse der marinen Geologie, S; 1 SWS	Frank, M.
Seminar für Doktoranden der Physikalischen Ozeanographie, S; 2 SWS	Böning, C., Visbeck, M., Brandt, P.
Seminar IIIa: Karbonatsedimentologie für Diplomanden und Doktoranden	Dullo, W.-C., Frank, M.
Stratigraphische Methoden in der Isotopengeochemie, V; 2 SWS	Frank, M.
Trace Metals in Sea Water, S; 2 SWS	Frank, M.

Appendices

Research Division 2: Marine Biogeochemistry

Aktuelle Themen der Meereschemie, S; 1 SWS	Wallace, D.W.R., Körtzinger, A.
Allgemeine Meereschemie II, V; 2 SWS	Wallace, D.W.R.
Anleitung zum selbständigen wissenschaftlichen Arbeiten, AW	Wallace, D.W.R., Körtzinger, A., Bange, H.
Biogeochemistry of Marine Sediments I, V; 2 SWS	Treude, T.
Biological Modelling and Biostatistics, Part A, V/UE; 4 SWS	Oschlies, A.
Biological Modelling and Biostatistics, Part B, V/UE; 4 SWS	Lenz, M.
Current Topics in Marine Biogeochemistry I, V; 2 SWS	Riebesell, U., Körtzinger, A.
Current Topics in Marine Biogeochemistry I, S; 2 SWS	Riebesell, U., Körtzinger, A.
Einführung in die marine Geochemie II, V	Wallmann, K.
How to Write and Publish a Scientific Paper, S; 1 SWS	Treude, T.
Marines Seminar, S; 1 SWS	Schwark, L., Stattegger, K., Schrottke, K., Frank, M., Wallmann, K.
Marine Animal Physiology I - Fascinating New Research Topics in Marine Animal Physiology, S; 2 SWS	Melzner, F.
Meereschemie und Chemische Ozeanographie Teil I, V; 2,5 SWS	Körtzinger, A.
Meereschemisches Praktikum I mit Seminar, P/SEM; 4 SWS	Bange, H.
Meereschemisches Praktikum II und Seminar, P/SEM; 4 SWS	Tanhua, T.
Advanced Course in Biological Oceanography, Practical Part B2 (Pelagic Biogeochemistry, P; 5 SWS	Riebesell, U.
Seminar Biogeochemische Modellierung, S; 2 SWS	Oschlies, A.
Stoffkreisläufe im Meer, V; 2 SWS	Bange, H.
Übungen zur Vorlesung Allgemeine Meereschemie II, UE; 1 SWS	Wallace, D.W.R.

Research Division 3: Marine Ecology

Advanced Course in Biological Oceanography, V; 3 SWS	Sommer, U., Imhoff, J.F., Riebesell, U., LaRoche, J., Reusch, Th.B.H., Weinberger, F., Piepenburg, D., Garthe, S., Siebert, U., Wahl, M., Eizaguirre, Ch., Treude, T., Wegner, M., Winder, M.
Advanced Course in Biological Oceanography, Practical Part A1, P; 5 SWS	Reusch, Th.B.H., Melzner, F., Weinberger, F., Eizaguirre, Ch., Roth, O.
Advanced Course in Biological Oceanography, Practical Part A2, P	Wahl, M., Weinberger, F.
Advanced Course in Biological Oceanography, Practical Part B1, P; 5 SWS	Sommer, U., Winder, M., Javidpour, J.
Advanced Course in Biological Oceanography, Practical Part C, P; 5 SWS	Süling, J., Imhoff, J.F., LaRoche, J.
Bestimmungskurs an Meeres- Fauna und Flora (Ergänzungsveranstaltung), P; 4 SWS	Wahl, M., Rumohr, H., Schütt, R.
Einführung in die Meeresbiologie, EX; 2 SWS	Sommer, U., Imhoff, J.F., Wahl, M., Riebesell, U., Reusch, Th.B.H.
Current Topics in Marine Ecology I, S; 2 SWS	Sommer, U., Wahl, M.
Current Topics in Marine Ecology I, V; 3 SWS;	Sommer, U., Wahl, M.
Sea Bird Ecology MNF-bioc-264 Special Course, P; 4 SWS	Garthe, S.
Seminar der Marinen und Molekularen Mikrobiologie, S; 2 SWS	Imhoff, J.F.
Seminar Evolutionsökologie Mariner Fische, S; 1 SWS	Reusch, Th.B.H., Eizaguirre, Ch., Wegner, M.

Research Division 4: Dynamics of the Ocean Floor

Aktuelle Forschungsthemen in der Marinen Geodynamik, S; 2 SWS	Behrmann, J.H., Kopp, H.
Digitale Bearbeitung geophysikalischer Daten: Seismische Interpretation, V/UE; 2 SWS	Krastel-Gudegast, S.
Finite element modeling of convection in porous media, V/UE; 3 SWS	Rüpke, L.
Geophysikalische Feld- oder Seemessungen (Feldmessungen) P; 6 SWS	Berndt, Ch., Krastel-Gudegast, S., Thorwart, M.
Magmatische Prozesse und Plattentektonik, V; 2 SWS	Hoernle, K.
Marine Geophysik, V/UE; 4 SWS	Berndt, Ch., Grevemeyer, I.
Physische Vulkanologie, V/UE; 2 SWS	Freundt, A., Kutterolf, S.

9. Acronyms

AABW	Antarctic Bottom Water
AAIW	Antarctic Intermediate Water
AARI	Institut für Arktis- und Antarktisforschung St. Petersburg/ Russia
ACC	Antarctic Circumpolar Current
ACME	Advisory Committee for the Environment
ACSYS	Arctic Climate System Study
ADCP	Acoustic Doppler Current Profiler
AGCM	Atmospheric General Circulation Model
AGU	American Geophysical Union
AMAM	Automated nutrient analysis
AMMA	African Monsoon Multidisciplinary Analyses
AMOC	Atlantic Meridional Overturning Circulation
AMS	American Meteorological Society
AMSU	Advanced Microwave Sounding Unit
ANIMATE	Atlantic Network of Interdisciplinary Moorings and Timeseries for Europe
AOSB	Arctic Ocean Sciences Board
APEX	Arctic Paleoclimate and its Extremes
ART	Arctic in Rapid Transition Initiative
ASFA	Aquatic Sciences and Fisheries Abstracts
ASLO	American Society of Limnology and Oceanography
AtlantNIRO	Atlantic Scientific Research Institute of Marine Fisheries and Oceanography, Russia, Kaliningrad, Russia
AUV	Autonomous Unterwater Vehicle
AVHRR	Advanced Very High Resolution Radiometer
AWI	Alfred Wegener Institut für Polar- und Meeresforschung, Bremerhaven
BAHC	Biospheric Aspects of the Hydrological Cycle (IGBP)
BALTEX	Baltic Sea Experiment
BALTIMOS	BALTEX - Integral Model System
BASIC	Baltic Sea cyanobacteria
BASYS	Baltic Sea System Study
BATS	Bermuda Atlantic Time series Study
BECAUSE	Critical Interactions BEtween Species and their Implications for a PreCAUtionary
BEQUALM	Biological effects quality assurance in monitoring programmes
BfA	Bundesforschungsanstalt für Fischerei
BfN	Bundesamt für Naturschutz
BGR	Bundesanstalt für Geowissenschaften und Rohstoffe
BIO	Bedford Institute for Oceanography
BioCoMBE	The Impact of Biodiversity Changes in Coastal Marine Benthic Ecosystems
BMBF	Bundesministerium für Bildung und Forschung
BMVEL	Bundesministerium für Verbraucherschutz, Ernährung und Landwirtschaft
BSH	Bundesanstalt für Seeschifffahrt und Hydrographie
BSR	Bottom-Simulating-Reflector
BSSC	Building Seismic Safety Council
CACGP	Commission for Atmospheric Chemistry and Global Pollution
CARINA	Carbon dioxide in the Atlantic Ocean
CAU	Christian-Albrechts-Universität zu Kiel
CAVA	Central American Volcanic Arc
CAVASSOO	Carbon variability studies by ships of opportunity
CCCC	Climate Change and Carrying Capacity
CCMVal	Chemistry-Climate Model Validation
CCRC	Climate Change Research Centre
CDIAC	Carbon Dioxide Information Analysis Center, Oak Ridge, USA
CEFAS	Centre for Environment, Fisheries and Aquaculture Science, Lowestoft, UK
CFCAS	Canadian Foundation for Climate and Atmospheric Sciences (CDN)
CGCM	Coupled General Circulation Model
CIESM	Commission internationale pour l´éxploration scientifique de la mer Méditerranée
CIMAS	Cooperative Institute for Marine and Atmospheric Studies, Miami, USA
CIRAMOSA	Compilation of regional cirrus macro- and microphysical properties
CLIVAR	Climate Variability and Predictability Programme (WCRP)
CLIWA-Net	Cloud Liquid Water Network (BALTEX)
CNRM	Centre National de Recherches Meteorologiques
CMS	Commission on Moving Species
CMCC	Euro-Mediterranean Centre for Climate Change
COADS	Comprehensive Ocean-Atmosphere Data Set
CoML	Census of Marine Life
COMWEB	Comparative analysis on coastal planktonic food webs
CRCES	Center for Research on the Changing Earth System
CRIMP	Center of Research on Marine Introduced Pests (Australia)
CSIRO	Commonwealth Scientific & Industrial Research Organisation (Australia)
CTD	Conductivity-Temperature-Depth
DACH	Deutsch-Österreichisch-Schweizerische Meteorologentagung
DCESS	Danish Centre for Earth System Science
DFG	Deutsche Forschungsgemeinschaft (German Research Council)
DGG	Deutsche Geologische Gesellschaft
DGHM	Deutsche Gesellschaft für Hygiene und Mikrobiologie
DGL	Deutsche Gesellschaft für Limnologie
DGM	Deutsche Gesellschaft für Meeresforschung

DGP	Deutsche Gesellschaft für Protozoology
DIFRES	Danish Institute for Fisheries Research, Lyngby, Denmark
DIGENIT	Diversität nitratreduzierender Bakterien (BMBF Project)
DIVA	Latitudinal gradients of deep-sea bioDIVersity in the Atlantic Ocean
DLR	Deutsche Gesellschaft für Luft- und Raumfahrt
DMG	Deutsche Meteorologische Gesellschaft
DMS	Dimethyl sulphide
DMSP	dimethyl sulfonium proprionate
DOMINOE	Dissolved organic matter as a component of ocean ecosystem and carbon cycle
DON	Dissolved organic nitrogen
DPG	Differential Pressure Gauge
DWBC	Deep Western Boundary Current
DWD	Deutscher Wetterdienst
DWK	Deutsche Wissenschaftliche Kommission für Meeresforschung
DYNAMO	Dynamics of North Atlantic Models
EARSeL	European Association of Remote Sensing Laboratories
EAS	European Aquaculture Society
EASIZ	Ecology of the Antarctic Sea Ice Zone
ECCO	Estimating the Circulation of the Ocean
ECHAM /NEMO	European Centre Hamburg Model / Nucleus for European Modelling of the Ocean
ECMWF	European Centre for Medium Range Weather Forecasts
ECOSIM	Ecosystem Simulation
EEA	European Elasmobranch Association
EGO	European Glider Observatories
EGU	European Geosciences Union
EIFAC	European Inland Fisheries Advisory Commission
ELOISE	European Land Ocean Interaction Analysis
EMAPS	European Marine and Polar Sciences
EMBS	European Marine Biology Symposium
ENBI	European Network of Biodiversity Information
ENSO	El Niño/La Niña-Southern Oscillation
ERA-40	ECMWF 40 Year Re-analysis
ESF	European Science Foundation
ESONET	European Sea Floor Observatory Network
ESRIN	European Space Research Institute
ESTEC	European Space Research and Technology Centre
ESTOC	European Station for Time-Series in the Ocean Canary Islands
ETA AAS	Atomic Absorption Spectroscopy using Electrothermal Atomisation
EU	European Union
EUAC	European Union of Aquarium Curators
EUC	Equatorial Undercurrent
EULIT	Effects of eutrophicated seawater on rocky shore ecosystems studied in large littoral mesocosms
EURASLIC	European Association of Aquatic Libraries and Information Centres
FB	Forschungsbereich
FEB RAS	Far Eastern Branch of the Russian Academy of Sciences
FEOM	Finite-Eemente Ozean Model
FLAME	Family of Linked Atlantic Model Experiments
FTZ	Forschungs- und Technologiezentrum der CAU, Büsum
GAME	Global Approach by Modular Experiments
GBB	Great Bahama Bank
GBIF	Global Biodiversity Information Facility
GCMs	General Circulation Models
GeoB	Institut für Geowissenschaften, Univ. Bremen
GEWEX	Global Energy and Water Cycle Experiment
GfÖ	Gesellschaft für Ökologie
GFZ	Geoforschungszentrum Potsdam
GHSZ	Gas Hydrate Stability Zone German Israel Foundation
GITEWS	German-Indonesian Tsunami Early Warning Sytem
GKSS	Gesellschaft für Kernenergieverwertung in Schiffbau und Schiffahrt (Forschungszentrum Geesthacht)
GLOBEC	Global Ocean Ecosystems Dynamics
GMES	Global Monitoring for Environment and Security
GOOS	Global Ocean Observing System
GPI	Geologisch-Paläontologisches Institut
GRACE/OBP	Gravity Recovery And Climate Experiment
GSF	Forschungszentrum für Umwelt und Gesundheit (BMBF Projekträger)
GSOP	Global Synthesis and Observations Panel
GV	Geologische Vereinigung
HELCOM	Helsinki Commission (Baltic Marine Environment Protection Commission)
HERSUR	Herring Survey Programme (EU)
HYDROARC	Hydrothermale Prozesse an flach-marinen Vulkanen der Bransfield Strasse
HYFIFLUX	Hydrothermal fluid development, material balancing and special biological activity in the North Fiji Basin
IABO	International Association for Biological Oceanography
IACS	International Association for the Cryospheric Sciences
IAMAP	International Association of Meteorology and Atmospheric Physics
IAMAS	International Association of Meteorology and Atmospheric Sciences
IAPP	International Arctic Polynya Programme (AOSB; IAPP)
IAP RAS	Institute of Applied Physics of the Russian Academy of Sciences
IAPSO	International Association for the Physical Science of the Oceans
IASC	International Arctic Science Committee
IBM	Individual-based models
ICARP	International Conference on Arctic Research Planning
ICBM	Institut für Chemie und Biologie des Meeres, Universität Oldenburg
ICBS	International Committee on

Appendices

	Systematic Bacteriology
ICCM	Instituto Canario de Cencias Marinas, Las Palmas, Spain
ICES	International Council for the Exploration of the Seas
ICHCA	International Cargo Handling Co-ordination Association
IEO	Instituto Español de Oceanografía
IfM	Institut für Meereskunde, Hamburg
IFREMER	Institut Français de Recherche pour l'Exploitation de la Mer, Brest, France
IFT	Leibniz-Institut für Tropospherenforschung
IGBP	International Geosphere-Biosphere Programme
IGOOS	IOC-WMO-UNEP Committee for GOOS
IHLS	International Herring Larvae Survey (ICES)
IMAU	Institut für Marine and Atmospheric Research Utrecht, The Netherlands
IMO	International Maritime Organization
INQUA-Morss	International Union for Quaternary Research-Morss
INTAS	International Association for the promotion of cooperation with scientists from the independent states of the former Soviet UnionIOC
Intergovernmental Oceanographic	Commission
IODP	Integrated Ocean Drilling Program
IOW	Institut für Osteeforschung, Warnemünde
IPCC	Intergovernmental Panel on Climate Change
IPIMAR	Instituto de Investigação das Pescas e do Mar, Lisboa
IPRC	International Pacific Research Institute, Honolulu, USA
IRCCM	International Research Consortium for Continental Margins
IRONAGES	Iron Resources and Oceanic Nutrients-Advancement of Global Environment Simulations
ISCCP	International Satellite Cloud Climatology Project
ITCZ	Intertropical Convergence Zone
IUB	International University Bremen
IUGG	International Union of Geodesy and Geophysics
KALMAR	Kurile-Kamchatka and Aleutean Marginal Sea-Island Arc Systems
KAUST	King Abdullah University of Science and Technology
KCM	Kiel Climate Model
KDM	Konsortium Deutsche Meeresforschung
KNMI	Koninklijk Nederlands Meteorologisch Instituut, de Bilt, The Netherlands
KOFST	Korean Federation of Science and Technolgoy Societies
LATFRI	Latvian Fisheries Research Institute
LIP	Large Igneous Provinces
LOICZ	Land Ocean Interactions in the Coastal Zone (IGBP component)
LSW	Labrador Sea Water
MACOM	Maternal effects on Atlantic cod recuitment and implications for management strategies (EU Project)
MAR	Mid Atlantic Ridge
MAR-ECO	Project Patterns and Processes of the Ecosystem of the Northern Mid-Atlantic
MARBEF	Marine Biodiversity and Ecosystem Functioning EU Network of Excellence
MARE	Marine Artificial Recirculated Ecosystem
MATER	Mediterranean Targeted Project-Mass Transfer and Ecosystem Response
MCEV	Multidecadal and Centennial ENSO Variability
MOC	Meridional Overturning Circulation
MODOO	Modular Deep Ocean Observatory
MOVE	Meridional Overturning Variability Experiment
MPIfM	Max-Planck Institut für Meteorologie
MRI	Marine Research Institute, Reykjavik, Iceland
MSG-IR	Meteosat Second Generation-Infrared
NAC	North Atlantic Current
NADW	North Atlantic Deep Water
NAFO	Northwest Atlantic Fisheries Organization
NAO	North Atlantic Oscillation
NATO	North Atlantic Treaty Organization
NBUC	North Brazil Undercurrent
NCAR	National Center for Atmospheric Research, Boulder, USA
NCEP	National Center for Environmental Prediction (NOAA)
NEMO	Nucleus for European Modelling of the Ocean
NERC	National Environmental Research Council
NEUC/SEUC	North Equatorial Undercurrent / South Equatorial Undercurrent
NIOZ	Nederlandse Instituut voor Onderzoek der Zee, The Netherlands
NIWA	National Institute of Water and Atmospheric Research (NZ)
NOAA	National Oceanic and Atmospheric Administration
NOAA-AOML	National Oceanic and Atmospheric Administration – Atlantic Oceanographic and Meteorological Laboratory, Miami, USA
NOC	National Oceanography Centre, Southampton, UK
NOCES	Northern Ocean-Atmosphere Carbon Exchange Study
NOW	Nederlandse Organisatie voor Wetenschappelijk Onderzoek
NSERC	National Science and Engineering Research Council (CDN)
NSF	National Science Foundation, USA
OBH	Ocean Bottom Hydrophones
OBIS	Ocean Biogeographic Information System
OBS	Ocean-Bottom-Seismometers
OBU	Ocean-Bottom-Unit
OCTOPUS	Ocean Tomography Operational Package and Utilization Support
OMAE	Offshore Mechanics and Arctic Engineering
OMEX	Ocean Margin Exchange
OPAC	Online Public Access Catalogue
ORNL	Oak Ridge National Laboratory, Oak Ridge, USA
OSPAR	Convention for the Protection of the

	Marine Environment of the North-East Atlantic (Oslo-Paris)
PAGES/IMAGES	Past Global Changes/International Marine Global Change Studies
PAH	Polycyclic Aromatic Hydrocarbons
PARS	Precision and accuracy of tools in recruitment studies (Eu-Project)
PCB	Polychlorinated biphenyl
PDF	Probability Density Function
PEP	Pilot Study of Evaporation and Precipitation (BALTEX)
PIK	Potsdam Institute für Klimafolgenforschung, Potsdam
PIRATA	Pilot Research Array of moored buoys over the Tropical Atlantic
POC	Particulate Organic Carbon
POGO	Partnership for Observations of the Global Oceans
POLMARF	Polish Marine Fishery Science Center
PON	Particulate Organic Nitrogen
PR	Public Relations
PTJ	Projektträger Jülich (BMBF)
RAS	Russian Academy of Sciences
RD	Research Division
RECONN	Resolving Trophodynamic Consequenses of Climate Change
RIVO	Nederlands Instituut voor Visserijonderzoek, Ijmuiden, The Netherlands
ROV	Remotely Operated Vehicle
RSMAS	Rosenstiel School of Marine and Atmospheric Sciences, Miami, USA
SAB	Scientific Advisory Board
SAGA	South African Geophysical Association
SAMOC	South Atlantic Meridional Overturning Circulation
SAP	Sustainable Fisheries: Assessment and Prediction (EU project)
SCAR	Scientific Committee on Antarctic Research
SCOR	Scientific Committee on Oceanic Research
SDN	Schutzgemeinschaft Deutsche Nordseeküste
SETAC	Society of Environmental Toxicology and Chemistry
SFB	Sonderforschungsbereich (Collaborative Research Center)
SGMSNS	Study Group on Multispecies Assessments in the North Sea
SIL	Societas Internationalis Limnologiae
SIO	Scripps Institution of Oceanography, La Jolla, USA
SMHI	Swedish Meteorological and Hydrological Institute
SAO-NMEFC	State Oceanic Administration - National Marine Environmental Forecasting Center
SODA	Simple Ocean Data Assimilation
SOIREE	Southern Ocean Iron RElease Experiment
SOLAS	Surface Ocean Lower Atmosphere Study
SOMARE	Sampling, Observations & Modelling of Atlantic Regional Ecosystems
SOPATRA	South Pacific Paleoceanographic Transects
SOPRAN	Surface Ocean Processes in the Anthropocene
SPACC	Small Pelagic Fishes and Climate Changes
SPARC	Stratospheric Processes And their Role in Climate
SPP	Special Priority Program (DFG)
SRON	Netherlands Institute for Space Research
SSA	Scientific Support Action
SSTC	Shallow Subtropical Cell
SV	Sverdrup (106 km3/s)
TACE/PIRATA	Tropical Atlantic Climate Experiment
TAR	Third Assessment Report (IPCC)
TAV	Tropical Atlantic Variability
TEWS	Tsunamis Early Warning System
THC	Thermohaline Circulation
THOR	Thermohaline Overturning – at Risk?
TLC / TLZ	Technology and Logistic Center (Technik- und Logistik Zentrum)
UBA	Umweltbundesamt
VAAM	Vereinigung für Allgemeine und Angewandte Mikrobiologie e.V.
VOS	Voluntary Observing Ships
WAS	World Aquaculture Society
WCRP	World Climate Research Programme
WDC-MARE	World Data Center for Marine Environmental Data
WGEIM	Working Group on Environmental Interactions of Aquaculture
WGL	Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz
WGNE	Working Group on Numerical Experimentation
WGOMD	Working Group on Ocean Model Development
WGSF	Working Group on Surface Fluxes
WHOI	Woods Hole Oceanographic Institution, Woods Hole, USA
WMO	World Meteorological Organization
WOAP	WCRP Observations and Assimilation Panel
WOCE	World Ocean Circulation Experiment
WTZ	Wissenschaftlich-Technische Zusammenarbeit (BMBF)
XBT	Expendable Bathythermograph
ZMAW	Zentrum für Marine und Atmosphärische Wissenschaften (Hamburg)
ZMK	Zentrum für Meeres- und Klimaforschung der Universität Hamburg
ZUFO	Zentrum für Umweltforschung