



IFM-GEOMAR Annual Report 2008 Appendices

**From the Seafloor to the Atmosphere
- Marine Sciences at IFM-GEOMAR Kiel -**

Appendices

1. Management and Organization	A-1
1.1 IFM-GEOMAR Overview	A-1
1.2 Organizational Structure	A-2
2. Human Resources	A-5
3. Budgets and Projects	A-9
3.1 Budget Tables	A-9
3.2 Projects	A-14
4. Ship statistics and Expeditions 2008	A-44
5. Publications	A-47
5.1 Books (Authorship)	A-47
5.2 Books (Editorship)	A-47
5.3 Book Contributions	A-47
5.4 Peer-reviewed Publications	A-48
5.5 Other (non-reviewed) Publications	A-66
5.6 Electronic Publications	A-69
5.7 University Publications	A-70
6. Scientific and Public Presentations	A-73
6.1 Invited Scientific Presentations	A-73
6.2 Other Scientific Presentations	A-76
6.3 Poster	A-94
6.4 Public Lectures	A-103
7. Scientific Exchange and Cooperation	A-106
7.1 Visitors at IFM-GEOMAR	A-106
7.2 Visits by IFM-GEOMAR staff	A-107
7.3 Conferences & Meetings (organized by IFM-GEOMAR staff)	A-108
7.4 Colloquia & Seminars at IFM-GEOMAR	A-109
7.5 Expert Activities	A-116
7.6 Editorial Boards	A-119
7.7 Honors and Awards	A-120
7.8 Patents	A-120
8. Teaching Courses 2008	A-121
8.1 External Teaching Courses	A-121
8.2 Teaching at Christian-Albrechts Universität zu Kiel	A-121
9. Acronyms	A-131

1. Management & Organization

1.1 IFM-GEOMAR Overview

The Leibniz Institute of Marine Sciences at the University Kiel (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 University of Kiel, a representative from another research institution, a representa-

tive 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 2008, IFM-GEOMAR had about 673 employees, including 340 scientists and 333 service and technical staff (incl. student assistance). About 237 scientists and 155 service and technical staff were funded through research grants.

The Leibniz Institute of Marine Sciences is associated with the University of Kiel through a cooperation agreement and contributes substantially to undergraduate and graduate teaching in the following fields: oceanography, meteorology, biological oceanography, fishery biology, marine chemistry, marine geology, geophysics, mineralogy and igneous petrology/geochemistry.

The involvement of 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 pro-

grammes 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, Inter-ridge, and others.

The scientific work of IFM-GEOMAR could not have been maintained without funding of peer-reviewed proposals through the German 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 the University of Kiel, the Institute for the World Economics and the Muthesius School of Arts received funding in the order of 36 Mio. Euros for an Excellence Cluster "Future Ocean". Within IFM-GEOMAR four new junior research groups of the cluster were established 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 (31.12.2008)

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. D.W.R. Wallace (RD2)
- Prof. Dr. U. Sommer (RD3)
- Prof. Dr. J.H. Behrmann (RD4)

2. Board of Governors

- **Jost de Jager, Secretary of State, Ministry for Science, Economy and Transportation of the State of Schleswig-Holstein, Kiel (Chair)**
- MinR. R. Ollig, Federal Ministry for Education and Research, Bonn
- Prof. Dr. G. Fouquet, President, Christian-Albrechts-University, Kiel
- Prof. Dr. L. Kipp, Dean of the Faculty for Mathematics and Natural Sciences, Christian-Albrechts-University, Kiel
- Prof. Dr. H. Graßl, Chair, Scientific Advisory Board
- Prof. Dr. K. Lochte, Director, Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven
- Dipl.-Ing. D. Lindenau, Managing Director, Lindenau GmbH, Shipyards and Engineering Works, 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)

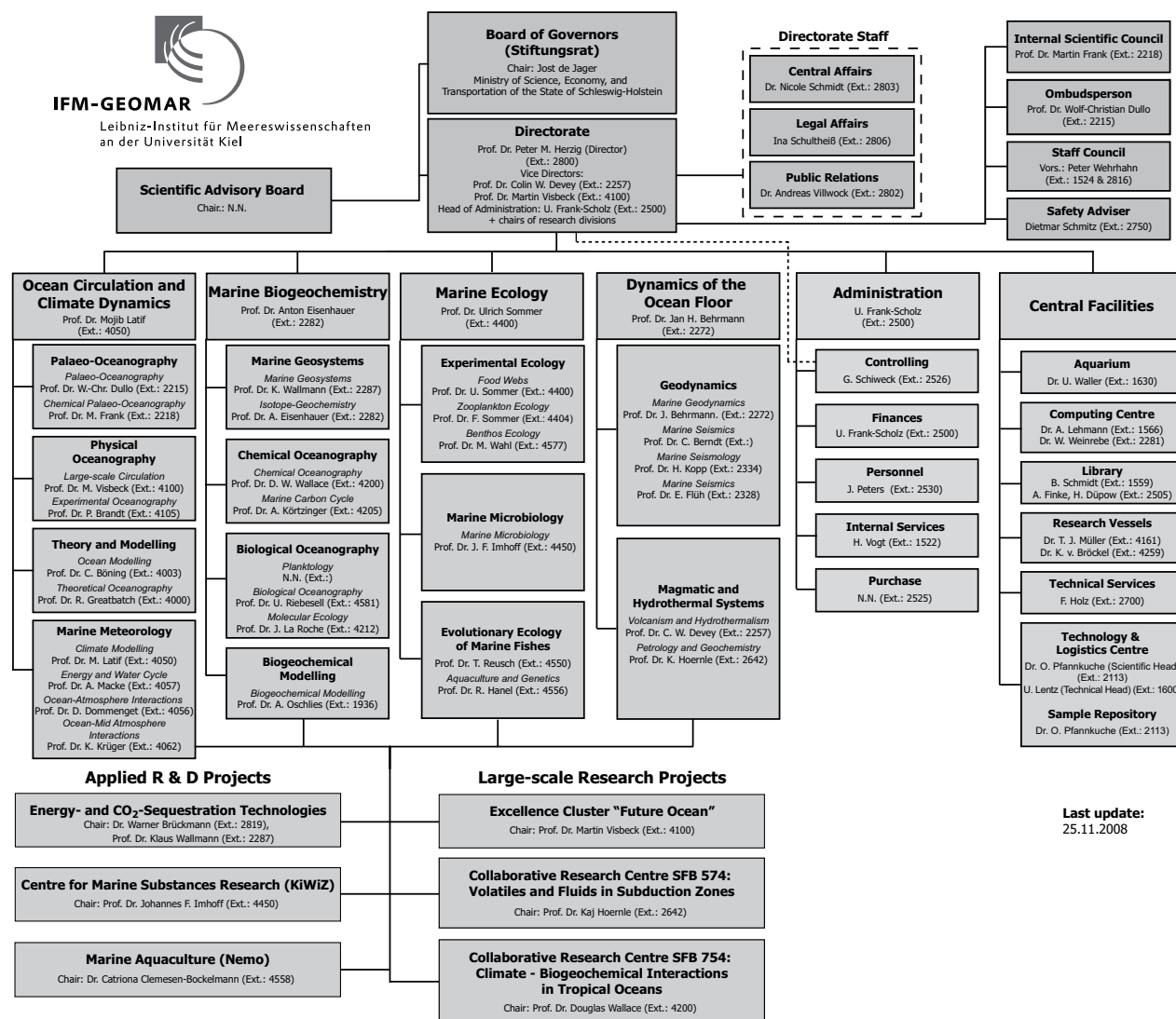
- Mrs. B. Schmidt, Representative for Equal Rights
- Dr. B. Roß, Representative of the Ministry for Trade, Commerce, and Transportation of the State of Schleswig-Holstein
- Prof. Dr. P.M. Herzog, Director of IFM-GEOMAR
- Prof. Dr. M. Visbeck, Deputy Director of IFM-GEOMAR
- Prof. Dr. C. Devey, Deputy Director of IFM-GEOMAR
- Prof. Dr. M. Frank, Chair, Scientific Council

Other guests:

- Mr. J. Biel, Managing Director, IHK Kiel
- Mrs. U. Frank-Scholz, Head of Administration, IFM-GEOMAR
- Dr. N. Schmidt, Central Affairs, IFM-GEOMAR
- Dr. A. Villwock, Public Relations, IFM-GEOMAR

3. Scientific Advisory Board

- 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, Mass. Institute of Technology, Cambridge, USA
- Prof. Dr. R. Hékinian, IFREMER, Brest, France
- Prof. Dr. H. Graß, Max-Planck-Institute for Meteorology, Hamburg
- Prof. Dr. A.C. Mix, College of Oceanic & Atmospheric Sciences, Oregon State University, Corvallis, USA
- 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. K. Richardson, University of Aarhus, Denmark
- Prof. Dr. D. Turner, Chalmers tekniska högskola, Göteborg, Sweden
- Prof. Dr. D.H. Welte, Gesellschaft für Integrierte Explorationssysteme mbH, Jülich

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
- A. Macke / M. Latif
- M. Visbeck / P. Brandt
- C. Böning / R. Greatbatch
- A. Eisenhauer / K. Wallmann
- A. Körtzinger / D. Wallace
- U. Riebesell / N.N.
- 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 D. Dommenget / K. Krüger
- FB2 J. LaRoche / H. Bange
- FB3 F. Sommer / R. Hanel
- FB4 E. Flüh / A. Freundt

c. Scientific staff:

- FB1: T. Martin / J. Karstensen
- FB2: K. v. Bröckel / P. Linke
- FB3: U. Piatkowski / J. Schmidt
- FB4: P. van den Bogaard / W. Weinrebe

2. Human Resources

Table 2.1

Employment positions acc. to sources of support and pay/remuneration grade¹⁾

- Personnel (financed by institutional and third-party resources) in terms of full-time equivalents as of [reporting date 31.12.2008] -

	Total number 2), 3)	Number financed by	
		institutional resources ²⁾	third-party resources ²⁾
Total (incl. student assistants)	514,7	241,9	272,7
1. Academic and higher management staff	200,0	93,3	106,8
- W2 .. W3, C3 .. C4, SDV	22,0	22,0	0,0
- W1, C1 .. C2	5,0	5,0	0,0
- I / A16 / E15Ü	1,0	1,0	0,0
- Ia / A15 / E15	8,0	5,0	3,0
- Ib / A14 / E14	45,8	36,3	9,5
- IIa / III ⁴⁾ / A13 / E13..E13Ü	118,3	24,0	94,3
2. Doctoral candidates	57,8	2,0	55,8
3. Other staff	180,4	129,7	50,7
- IV..III/A10..A12/E10..E12	37,5	26,0	11,5
- V / A8 .. A9 / E8 .. E9	82,4	56,5	25,9
- VI / A7 / E7	3,0	3,0	0,0
- VIII..VII / A5..A6 / E5..E6	39,4	27,6	11,8
- Wage brackets, other staff	12,1	10,6	1,5
- Trainees	6,0	6,0	0,0
4. Student assistance	76,5	17,0	59,5

¹⁾ Employment positions acc. to BAT 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 and 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

Appendices

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 31.12.2008] -

Employment positions	Total	Academic and higher management staff ¹	Doctoral candidates²	Other staff, trainees	Student assistance
Entire establishment	514,7	200,0	57,8	180,4	76,5
Research Division 1	99,6	53,8	13,0	23,7	9,0
Research Division 2	125,6	46,8	23,8	25,1	30,0
Research Division 3	70,8	32,6	11,0	18,9	8,3
Research Division 4	70,6	37,4	8,0	11,8	13,5
Interdisciplinary Project Groups	2,0	0,0	0,5	0,0	1,5
Energy Projects & Director	46,9	16,3	1,0	21,6	8,0
Central Facilities (without administration)	63,7	13,3	0,5	43,8	6,2
Administration	35,5	0,0	0,0	35,5	0,0

¹⁾ Employment positions acc. to BAT IIa and above (not incl. 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 31.12.2008]

	Total number	Financed by third-party resources		Temporary contracts		Women		Women with temporary contracts	
		Number	% ¹⁾	Number	% ¹⁾	Number	% ¹⁾	Number	% ^{1), 2)}
Total	673	392	58,2%	474	70,4%	306	45,5%	230	75,2%
1. Academic and higher management staff	224	124	55,4%	153	68,3%	73	32,6%	65	89,0%
- W2 .. W3, C3 .. C4, SDV	22	0	0,0%	3	13,6%	0	0,0%	0	0,0%
- W1, C1 .. C2	6	0	0,0%	6	100,0%	2	83,3%	2	100,0%
- I / A16 / E15Ü	1	0	0,0%	0	0,0%	0	0,0%	0	0,0%
- Ia / A15 / E15	8	3	37,5%	3	37,5%	2	25%	0	0,0%
- Ib / A14 / E14	47	8	17,0%	10	21,3%	6	12,8%	1	16,7%
- IIa / III / A13 / E13 .. E13Ü	140	113	80,7%	131	93,6%	63	45,0%	62	98,4%
2. Doctoral candidates	116	113	97,4%	116	100,0%	59	50,9%	59	100,0%
3. Other staff	206	54	26,2%	78	37,8%	110	53,4%	42	38,2%
- IV..III / A10..A12 / E10..E12	38	12	31,6%	15	39,5%	6	15,8%	3	50,0%
- V / A8 .. A9 / E8 .. E9	97	28	28,9%	29	29,9%	64	66,0%	20	31,2%
- VI / A7 / E7	3	0	0,0%	0	0,0%	0	0,0%	0	0,0%
- VIII .. VII / A5 .. A6 / E5 .. E6	45	11	24,4%	18	40%	31	68,9%	13	41,9%
- Wage groups, other staff	17	3	17,6%	10	58,9%	7	41,2%	4	57,1%
- Trainees	6	0	0,0%	6	100,0%	2	33,0%	2	100,0%
4. Student Assistants	127	101	79,5%	127	100,0%	64	50,4%	64	100,0%

¹⁾ Correct to one decimal place only

²⁾ Women with temporary contracts / number of women

Appendices

Table 2.4

Academic and higher management staff¹⁾: age structure

(as of reporting day: 31.12.2008)

	Age groups in years									
	< 30		30 - 39		40 - 49		50 - 59		> 59	
	Total	Wom-en	Total	Wom-en	Total	Wom-en	Total	Wom-en	Total	Wom-en
Total	14	10	92	37	78	21	34	5	6	0
Research Division 1	4	3	24	7	21	5	12	2	0	0
Research Division 2	0	0	22	11	23	6	5	1	3	0
Research Division 3	1	1	18	9	9	4	10	2	1	0
Research Division 4	2	0	17	7	16	2	4	0	1	0
Energy Projects & Director	4	4	11	3	4	1	0	0	0	0
Central Facilities (without administration)	3	2	0	0	5	3	3	0	1	0
Administration	0	0	0	0	0	0	0	0	0	0

¹⁾ Number (persons) paid acc. to BAT IIa and above (not incl. doctoral candidates)

3. Budgets & Projects

3.1 Budget Tables

Table 3.1: Revenues and expenditures (in € 1,000)				
	2008	2007	2006	2005
Revenues				
Total	57,289.8	49,610.2	46,874.0	44,585.3
1. Institutional support	28,527.9	28,198.6	30,746.0	28,078.7
- German "Länder"	15,138.0	15,632.4	14,731.8	14,217.7
- Federal Government	12,849.9	12,566.2	12,314.2	11,868.0
- Other institutional support	540.0	0.0	3,700.0	1,993.0
<i>Proportion of institutional support in overall financial resources (in %)</i>	<i>49.8%</i>	<i>56.8%</i>	<i>65.6%</i>	<i>63.0%</i>
2. Third-party resources	28,761.9	21,411.6	16,128.0	16,506.6
2.1 Research support	17,410.0	16,821.7	13,824.0	14,549.1
- DFG (German Research Foundation)	4,712.5	6,409.0	2,952.0	2,367.2
- DFG-SFB 406 und 574	2,948.9	1,439.0	3,244.5	2,615.8
- Federal Government	5,877.8	5,539.4	4,599.5	5,228.3
- German "Länder"	418.5	1,499.1	1,307.3	840.6
- EU project funding	3,266.4	1,692.8	1,620.5	3,397.0
- Foundations, other research support	185.9	242.4	100.2	100.2
- Joint projects with the University of Kiel	0.0	0.0	0.0	0.0
2.2 Services, contracts, licences, publications	9,441.6	3,098.0	1,098.4	844.2
- Contracts from private enterprises or public authorities, co-operation with industry	9,440.3	3,098.0	1,098.4	844.2
- Patent exploitation, licences	0.0	0.0	0.0	0.0
- Publications	0.0	0.0	0.0	0.0
- Other services	1.3	0.0	0.0	0.0

continued on next page.

Table 3.1: Revenues and expenditures (continued)

(in € 1,000)

	2008	2007	2006	2005
2.3 Other third-party resources	1,910.3	1,491.9	1,205.6	1,113.3
- Aquarium	126.1	90.0	71.7	70.4
- Charter for submersibles	0.0	47.8	44.1	48.7
- Misc, income (interest. etc.)	71.8	0.7	1.1	0.3
- Rentals	0.0	1,350.5	1,036.1	991.0
- Charter for research vessels	1,691.0	0.0	51.4	0.0
- Charter for submersibles	0.0	0.0	0.0	0.0
- Sale of vehicles	0.0	0.0	0.0	2.9
- Other sales	21.4	2.9	1.2	0.0
<i>Proportion of third-party funding in overall financial resources (in %)</i>	<i>50.2%</i>	<i>43.2%</i>	<i>34.4%</i>	<i>37.0%</i>
3. Withdrawal from reserves and the like	0.0	0.0	0.0	0.0
Expenditures	52,739.7	48,096.8	45,148.2	41,173.0
4.1 Personnel	23,201.3	19,903.1	18,291.7	17,715.6
4.2 Materials, supplies, equipment	20,875.4	18,062.9	16,321.3	17,151.1
4.3 Investments (not incl. building investments)	6,522.0	7,757.3	6,322.7	3,315.0
4.4 Building investments	1,210.9	934.5	968.0	375.5
4.5 Special Positions (where applicable)	930.1	0.0	0.0	0.0
4.6 Allocations to reserves and the like	0.0	0.0	0.0	0.0
4.7 DFG-SFB 460 and 574	0.0	1,439.0	3,244.5	2,615.8
4.8 Joint Projects with the University of Kiel	0.0	0.0	0.0	0.0
4.9 For information only: DFG charges	611.5	600.8	588.2	565.9

Table 3.2: Project Funding

(Revenues in € 1,000)

	2008	2007	2006	2005
Total	28,761.9	21,411.6	16,128.0	16,506.6
- DFG (German Research Foundation)	4,712.5	6,409.0	2,952.0	2,367.2
- DFG-SFB 460 und 574	2,948.9	1,439.0	3,244.5	2,615.8
- Federal Government	5,877.8	5,539.4	4,599.5	5,228.3
- German "Länder"	418.5	1,499.1	1,307.3	840.6
- EU project funding	3,266.4	1,692.8	1,620.5	3,397.0
- Foundations, other research support	185.9	242.4	100.2	100.2
- Joint projects with the University of Kiel	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	9,440.3	3,098.0	1,098.4	844.2
- Other third-party resources	1,911.6	1,491.9	1,205.6	1,113.3
RD 1: Ocean Circulation and Climate Dynamics	3,855.3	3,769.9	2,937.7	3,948.9
- DFG (German Research Foundation)	992.5	1,687.9	621.3	749.1
- DFG-SFB	85.9	71.5	1,702.6	968.3
- Federal Government	1,883.0	1715.9	353.2	995.2
- German "Länder"	0.0	0.0	0.0	0.0
- EU project funding	726.7	202.1	72.3	1,062.0
- Foundations, other research support	39959	7.4	0.0	0.0
- Joint projects with the University of Kiel	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	140.7	85.1	188.3	174.3
- Other third-party resources	0.0	0.0	0.0	0.0

Table 3.2: Project Funding (continued)

- classified by organisational unit -
(Revenues in € 1,000)

	2008	2007	2006	2005
RD 2: Marine Biogeochemistry	6,897.5	4,027.3	3,270.0	3,337.7
- DFG (German Research Foundation)	1,570.5	1,648.1	529.7	610.3
- DFG-SFB	2,164.7	276.9	380.2	422.1
- Federal Government	1,938.0	1,756.1	1,127.9	1,039.4
- German "Länder"	96.7	0.0	29.8	0.0
- EU project funding	1,025.7	244.0	1,038.6	1,162.4
- Foundations, other research support	0.0	0.0	0.6	0.6
- Joint projects with the University of Kiel	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	101.9	102.2	163.2	102.9
- Other third-party resources	0.0	0.0	0.0	0.0
RD 3: Marine Ecology	4,140.2	3,754.7	2,628.5	3,121.1
- DFG (German Research Foundation)	512.2	555.6	217.0	359.1
- DFG-SFB 460 und 574	2.5	0.0	0.0	0.0
- Federal Government	127.9	403.1	773.1	596.0
- German "Länder"	288.5	1,479.0	1,204.0	834.7
- EU project funding	1,188.1	836.3	99.5	931.0
- Foundations, other research support	153.1	236.6	99.6	99.6
- Joint projects with the University of Kiel	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	1,867.9	244.1	235.3	300.7
- Other third-party resources	0.0	0.0	0.0	0.0

Table 3.2: Project Funding (continued)

- classified by organisational unit -
(Revenues in € 1,000)

	2008	2007	2006	2005
RD 4: Dynamics of the Ocean Floor	4,288.1	5,501.0	5,570.3	4,776.7
- DFG (German Research Foundation)	1,373.0	2,306.4	1,385.4	541.2
- DFG-SFB 460 und 574	593.1	1,090.6	1,161.7	1,225.4
- Federal Government	1,691.7	1,362.8	2,218.6	2,549.7
- German "Länder"	33.3	20.1	73.5	0.0
- EU project funding	211.4	410.4	410.1	241.6
- Foundations, other research support	0.0	-1.6	0.0	0.0
- Joint projects with the University of Kiel	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	385.6	312.3	321.0	218.8
- Other third-party resources	0.0	0.0	0.0	0.0
Central Facilities	9,580.8	4,358.7	1,721.5	1,322.2
- DFG (German Research Foundation)	264.3	211.0	198.6	107.5
- DFG-SFB 460 und 574	102.7	0.0	0.0	0.0
- Federal Government	237.2	301.5	126.7	48.0
- German "Länder"	0.0	0.0	0.0	5.9
- EU project funding	114.5	0.0	0.0	0.0
- Foundations, other research support	6.3	0.0	0.0	0.0
- Joint projects with the University of Kiel	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	6,944.2	2,354.3	190.6	47.5
- Other third-party resources	1,911.6	1,491.9	1,205.6	1,113.3

Appendices

3.2 Projects

Projects - Research Division 1: Ocean Circulation and Climate Dynamics

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
1	Ba 1367/6-4 LIONS 3	Last Interglacial Ocean of the Nordic Seas (D1112)	DFG	Dr. Bauch	01.08.2007 - 31.07.2008	42.230,00
2	BA 1367/8-1, PAINTER	Past Interglacial Temperature Regimes (PAINTER): Marine isotope 11 in the NE-Atlantic sector (D1059)	DFG	Dr. Bauch	01.11.2006 - 31.10.2008	148.100,00
3	Bo 907/2-2, Agulhassystem	Numerische Ozeanmodellierung zur Untersuchung der Rolle des Agulhassystems für die Dynamik niederfrequenter Schwankungen der großräumigen Strömungen im Atlantik (D0945)	DFG	Prof. Böning	01.01.2006 - 30.04.2008	124.350,00
4	BO 907/2-2, Agulhassystem 2	s.o. (D1209)	DFG	Prof. Böning	01.07.2008 - 30.06.2009	60.350,00
5	BO 907/3-1	Combined Ocean-Geodetic Analysis of Global and Regional Ocean Mass-, and Freshwater Transport Divergences (D1054)	DFG	Prof. Böning	01.10.2006 - 30.09.2008	72.000,00
6	CLUSTER - Advisory Board Member / 40	Zuschuss Reisekosten/Spesen (D1067)	DFG	Prof. Visbeck	01.07.2008 - 31.12.2008	4.150,18
7	CLUSTER - CTD 1067/04.8	CTD (D1067)	DFG	Prof. Visbeck	01.05.2007 - 31.12.2008	45.000,00
8	CLUSTER - CTD 1067/04.8	CTD (D1067)	DFG	Prof. Visbeck	01.05.2007 - 31.12.2008	129.200,00
9	CLUSTER - OTIS /04.4	OTIS-Ocean Tracer Injection System (D1067)	DFG	Prof. Visbeck	01.05.2007 - 31.12.2008	9.000,00
10	CLUSTER PI Böning /45	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Böning	01.10.2008 - 31.12.2008	7.500,00
11	CLUSTER - PI Latif /52	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Latif	01.10.2008 - 31.12.2008	7.500,00
12	CLUSTER - PI Visbeck /56	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Visbeck	01.10.2008 - 31.12.2008	7.500,00
13	CLUSTER - Symposium 2008 „Zukunft der Ozeane“/38	2008 Symposium „Zukunft der Ozeane“ (D1067)	DFG	Prof. Visbeck	01.05.2008 - 31.12.2008	5.039,76
14	CLUSTER - 2007/ 2CP07A47 /30 Glider Swarm	CLUSTER - Glider Swarm Pilot Project (D1067)	DFG	Dr. Karstensen	01.02.2008 - 31.03.2010	33.550,00
15	CLUSTER - Datenmanagerin Pina Springer /61	Einstellung Datenmanagerin : Pina Springer (D1067)	DFG	Prof. Visbeck	15.10.2008 - 30.10.2011	178.850,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
16	CLUSTER - Greenhouse World 0725CP /17	Changing habitats of calcareous plankton in the Geenhouse World - Clusterproposal 2007/1 (D1067)	DFG	Dr. Schönfeld	01.09.2007 - 31.08.2009	92.300,00
17	CLUSTER- Miniproposal Lichtfluktuationen 05.1	Miniproposal Lichtfluktuationen 05.1 (D1067)	DFG	Prof. Macke	01.01.2007 - 31.12.2008	75.000,00
18	CLUSTER- Niskinflaschen /64	Niskinflaschen -Ersatzbeschaffung für alle Schöpfer (D1067)	DFG	Prof. Visbeck	01.12.2008 - 31.12.2008	20.000,00
19	CLUSTER- OTIS 1067/04.4	OTIS (D1067)	DFG	Prof. Visbeck	01.05.2007 - 31.12.2008	78.250,00
20	CLUSTER Overhead-Sprecher	Cluster Overhead Sprecher (D1082)	DFG	Prof. Visbeck	01.01.2007 - 31.10.2011	906.750,00
21	CLUSTER-2007/2 CP07A45 Scleratinia /28	Cluster „Biogeochemical studies on the effects of ocean acidification on the cold-water coral Lophelia (Scleratinia)“ (D1067)	DFG	Prof. Dullo	01.02.2008 - 31.12.2008	32.400,00
22	CLUSTER-DEAR X 1067/10	DEAR X (D1067)	DFG	Prof. Visbeck	01.05.2007 - 31.12.2008	18.000,00
23	CLUSTER-Referentin Clustersprecher /31	CLUSTER: Referentin Clustersprecher (D1067)	DFG	Prof. Visbeck	01.03.2008 - 31.12.2009	122.000,00
24	De 1369/1-1, DFG-Nachwuchsgruppe	Antrag im Rahmen des Emmy Noether-Programms: Diapyknische Vermischungsprozesse in den Auftriebsgebieten des tropischen Atlantiks. (D0974)	DFG	Dr. Dengler	01.01.2006 - 31.12.2008	517.205,00
25	De 1369/1-1, DFG-Nachwuchsgruppe	s.o. (D1216)	DFG	Dr. Dengler	01.08.2008 - 31.07.2010	301.830,00
26	DO 1038/2-1, Wechselwirkung tropischer Ozeane	Wechselwirkung des tropischen Indischen Ozeans und des tropischen Atlantischen Ozeans mit ENSO (D1096)	DFG	Prof. Dommenges	30.01.2007 - 28.02.2010	92.730,00
27	Du 129/33-1, Leibniz Preis Dullo	Leibniz Preis (D0668)	DFG	Prof. Dullo	30.06.2002 - 20.01.2010	1.550.000,00
28	DU 129/37-3 TRISTAN 2	Temperatur-Rekonstruktion aus de Isotopen-Signatur von Tiefwasserkorallen des Atlantik und der Nordsee (Paläo-TRISTAN) (D1175)	DFG	Prof. Dullo	01.01.2008 - 31.12.2008	78.150,00
29	DU 129/41-1 CHECREEF	The last deglacial sea-level and climatic changes. Coral Reef records in the south Pacific: Tahiti (French Polynesia) - IOPD-Expedition #310-, Australian Great Barrier Reef- IODP Proposal #519: Potential of diagenetically altered corals for subseasonal ...	DFG	Prof. Dullo	01.10.2007 - 30.09.2010	114.000,00
30	DU 129/45-1, Isolde	Isotope Signature of calcareous Organisms from upper and lower carbonate mound sediments (D1121)	DFG	Prof. Dullo	01.08.2007 - 31.07.2009	92.470,00
31	ED 159/2-1, ACC-EDDIES	Wirbelgetriebene Transporte im Antarktischen Zirkumpolarstrom (D1031)	DFG	Dr. Eden	01.08.2006 - 31.07.2008	65.700,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
32	Equatorial Atlantic circulation, Ausw. M62/2	Shallow and Intermediate circulation in the equatorial Atlantic (D1044)	DFG	Dr. Fischer	01.01.2007 - 31.12.2008	63.000,00
33	Fi 871/2-1	Variability of the near bottom hydrography, currents and mixing processes in the Logatchev-Field (D1168)	DFG	Dr. Fischer	01.11.2007 - 31.10.2009	183.180,00
34	FR 1198/2-1, Weathering and water mass mixing	Tracing continental weathering and water mass mixing in the Atlantic sector of the Southern Ocean with neodymium and hafnium isotopes (D1128)	DFG	Prof. Frank	01.08.2007 - 31.07.2009	79.800,00
35	FR 1198/3-1, Pliocene Benguela Upwelling	Mid-Pliocene upwelling and nutrient (Si,N) conditions in the Benguela upwelling system and their relationship to the Southern Ocean paleoceanography (D1122)	DFG	Prof. Frank	01.08.2007 - 31.07.2008	11.270,00
36	FR 1198/4-1, MOW	Variability of the Mediterranean Outflow glacial-interglacial and millennial time scales (D1129)	DFG	Prof. Frank	01.08.2007 - 31.07.2010	132.700,00
37	Ind. Gateway	Bearbeitung von Analysen im Rahmen der Sachbeihilfe (D1034)	DFG	Dr. Nürnberg	01.01.2008 - 31.07.2009	9.000,00
38	KE 1471/2-1, Emmy Noether Programm	Mechanismus and predictability of North Atlantic Decadal Climate variability (D1147)	DFG	Dr. Keenlyside	01.01.2008 - 31.12.2012	926.950,00
39	KR 3488/1-1 Ocean Mixing observed	Ocean Mixed observed fwith Seismic Oceanography and Hydrographic Measurements (D1094)	DFG	Dr. Krahmann	01.03.2007 - 28.02.2010	131.884,00
40	M78 - Koordination	M 78 Koordination (D1239)	DFG	Dr. Schönfeld	01.10.2008 - 31.12.2009	162.786,00
41	Ma 2225/3-2	Forschergruppe "Saharan Mineral Dust Experiment SAMUM" für das TP3 „Modeling and observation of Sahara Dust transport, modification and radiative impact (D1091)	DFG	Prof. Macke	01.03.2007 - 28.02.2010	89.700,00
42	Nu 60/14-1, Indonesian Gateway	The late Miocene to Pliocene constriction of the Indonesian Gateway and ist impact on ocean circulation and climate (D1034)	DFG	Dr. Nürnberg	01.08.2006 - 31.07.2008	103.400,00
43	Nu 60/17-1 LOOP	LOOP Current variability - its relation to meridional overturning circulation and the impact of Mississippi discharge (D1144)	DFG	Dr. Nürnberg	01.08.2007 - 31.07.2009	251.738,00
44	Scho 168/31-1, Pazifik	Variabilität und Klima-Effekte der tropisch-subtropischen Zirkulation des Pazifiks (D0992)	DFG	Dr. Stramma	01.02.2006 - 31.01.2008	132.198,00
45	SP 526/3-1, Arctic Freshwater	The impact of freshwater and brines from Arctic shelf regions on the transformation of water along the Arctic Ocean continental margin. (D1038)	DFG	Dr. Spielhagen	01.09.2006 - 30.08.2008	90.000,00
46	SP 526/3-2, Arctic Freshwater	Impact of Arctic Freshwater (Fortsetzungsantrag) (D1219)	DFG	Dr. Spielhagen	01.11.2008 - 31.10.2010	95.850,00
47	Sp 526/4-1 HOVAG	HOLOCene Variability in the Arctic Gateway (D1145)	DFG	Dr. Spielhagen	01.08.2007 - 31.07.2009	164.733,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
48	VI 403/1-1	Combined Ocean-Geodetic Analysis of Global and Regional Ocean Mass-, and Freshwater Transport Divergences (D1053)	DFG	Prof. Visbeck	01.10.2006 - 30.09.2008	71.000,00
49	VO 687/8-1, Spätkreidezeitl. Klimaschwankungen	Kurzzeitliche Klimaschwankungen während des Treibhausklimas der späten Kreide - Ursachen und Auswirkungen (D1056)	DFG	Dr. Voigt	01.11.2006 - 31.10.2009	28.000,00
50	We 4206/1-1 Seasonal transport dynamics	Seasonal Transport Dynamics along Siberian continental margins (TOPIC) (D1008)	DFG	Dr. Wegner	01.05.2006 - 30.04.2008	135.681,00
51	WU 356/4-2	„Quantitative Niederschlagsvorhersage“ Untervertrag mit der Uni Hohenheim (D1086)	DFG	Prof. Macke	01.07.2006 - 31.03.2008	12.800,00
52	TP C05	TP C05. Modellierung von Klimaeffekten/Rückkopplungen und Subduktionsprozessen (D1214)	DFG-SFB754	Prof. Krüger	01.07.2008 - 30.06.2012	296.030,00
53	TP A01	TP A01 - Antwort des gekoppelten Systems Klima-Biogeochemie in den Tropen auf globaler Erwärmung (D1176)	DFG-SFB754	Prof. Latif	01.01.2008 - 31.12.2008	152.000,00
54	TP A02	TP A02: Hochaufgelöste Modellierung der physikalisch-biogechemischen Interaktionen im tropischen Ozean (D1176)	DFG-SFB754	Prof. Böning	01.01.2008 - 31.12.2008	310.000,00
55	TP A03	TP A03: Diapyknische und Isopyknische Vermischung an der Südflanke des Guinea Auftriebsgebietes: Ein Tracer Release Experiment (D1176)	DFG-SFB754	Prof. Visbeck	01.01.2008 - 31.12.2008	193.200,00
56	TP A04	TP A04: Trends und Variabilität von Sauerstoffinventar und -versorgung in Sauerstoffminimumzonen (D1176)	DFG-SFB754	Dr. Brandt	01.01.2008 - 31.12.2008	311.500,00
57	TP A05	TP A05: Bedeutung der Wassermassenstruktur im östlichen tropischen Pazifik für Sauerstoffvariabilität und geochemische Zusammensetzung (D1176)	DFG-SFB754	Dr. Stramma	01.01.2008 - 31.12.2008	284.900,00
58	TP A05	TP A05: s.o. (D1176)	DFG-SFB754	Prof. Frank	01.01.2008 - 31.12.2008	284.900,00
59	TP A06	TP A06: Klimawandel und Sauerstoffminimum-Bedingungen auf 100-1000 Jahre Zeitskalen (D1176)	DFG-SFB754	Prof. Dullo	01.01.2008 - 31.12.2008	200.300,00
60	TP B07	TP B07: Biogeochemische und mikropaläontologische Rekonstruktion des Sauerstoffgehalts und der Redoxbedingungen der Vergangenheit in Küstenauftriebsgebieten (D1176)	DFG-SFB754	Prof. Frank	01.01.2008 - 31.12.2008	334.600,00
61	TP Z02	TP Z02: Expeditionskosten für die SFB Schiffsreisen (D1176)	DFG-SFB754	Dr. Stramma	01.01.2008 - 31.12.2008	438.300,00
62	03 CIE 003 CIESM 03-09	CIESM-Beitrag 03-09: Internationale Kommission für die wissenschaftliche Erforschung des Mittelmeeres. (D0741)	BMBF	Prof. Dullo	01.11.2003 - 31.12.2009	365.111,12

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
63	03F0443B, Nordatlantik AP1.1	NORDATLANTIK: Die Bedeutung des Süßwasserhaushaltes für die zukünftige Entwicklung der thermohal. Zirk., Die Rolle des äquat. Atlantiks als Schlüsselreg. für Klimaschwankungen im atl. Raum; Schwankungen der tiefen Randstromzirk. am Ausgang der Labradorse	BMBF	Prof. Latif	01.08.2006 - 31.10.2009	180.620,00
64	03F0443B, Nordatlantik AP2.2	NORDATLANTIK: s.o.	BMBF	Prof. Visbeck	01.08.2006 - 31.10.2009	221.488,00
65	03F0443B, Nordatlantik AP3.2	NORDATLANTIK: s.o.	BMBF	Prof. Böning	01.08.2006 - 31.10.2009	244.740,00
66	03F0443B, Nordatlantik AP 1.2	NORDATLANTIK: s.o.	BMBF	PD Dr. Brandt	01.08.2006 - 31.10.2009	756.132,00
67	03G0639A - Verbundvorhaben Laptev See POLYNJA	Verbundprojekt: System Laptev See POLYNJA- Eurasische Schelfmeere im Umbruch - Ozeanische Fronten und Polynjasysteme in der Laptev See; Vorhaben: TP 1: Jahreszeitliche Abläufe und Koordination (D1075)	BMBF	Dr. Kassens	01.04.2007 - 31.03.2010	2.321.798,00
68	KALMAR, Leitantrag	KALMAR - Kurile-Kamchatka an Aleuten Marginal Sea-Island Systems: Leitantrag: Kurilen Kamchatka Rekonstruktion der spätquartären Klima- und Umweltentwicklung (D1064)	BMBF	Prof. Dullo	01.10.2006 - 30.09.2009	662.444,00
69	KEI Kiel Earth Institute	Kiel Earth Institute (KEI): Forschung und Beratung im Spannungsfeld von Umwelt, Gesellschaft und Wirtschaft (D1193)	BMBF	Prof. Visbeck	01.01.2008 - 31.12.2009	100.000,00
70	KOR 08/002 Erdsystemmodellierung	Erdsystemmodellierung: Globale Wechselwirkung und die Ostasiatischen Monsunregion. Deutsch/Koreanische Zusammenarbeit in Wissenschaft und Technologie (D1184)	BMBF	Prof. Latif	01.01.2008 - 30.06.2008	1.605,00
71	OSL III	Forschungsaufenthalt Gastwissenschaftler (D0968)	BMBF	Dr. Kassens	01.03.2005 - 29.02.2008	74.016,00
72	PPP Finnland D/05/51654	Personenaustausch mit Finnland (D1199)	BMBF	Dr. Lehmann	01.01.2008 - 31.12.2008	805,00
73	PPP Portugal / D/06/12908	Metall-Isotope in Fe-Mn-Krusten aus dem Nordatlantik „Accoes Integradas Lusa-Alemas“ (D1078)	BMBF	Prof. Frank	01.01.2007 - 31.12.2008	1.920,00
74	RUS 06/004 IMPETUS	IMPETUS-Deutsch-Russisches Kompetenznetzwerk in der Meeresforschung, Internationale Zusammenarbeit in Bildung und Forschung mit Russland (D1011)	BMBF	Dr. Kassens	15.04.2006 - 31.03.2009	218.906,00
75	RUS 06/017 POMOR	Internationale Zusammenarbeit in Bildung und Forschung mit Russland (D1076)	BMBF	Dr. Kassens	01.01.2007 - 31.12.2009	344.998,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
76	Stipendiaten POMOR	10 Kurzzeitstipendien für die Absolvierung eines Praktikums in Deutschland für Studierende des Kooperativen Masterstudien-ganges für angewandte Polar- und Meereswissenschaften POMOR (D1189)	BMBF	Dr. Kassens	01.05.2008 - 31.12.2009	22.800,00
77	SUA 07/004 Südafrika	Das Agulhas-System als Schlüsselregion der globalen ozeanischen Zirkulation (D1194)	BMBF	Dr. Biastoch	04.04.2008 - 31.03.2011	12.408,00
78	UKR 07/001 Ukraine	Dynamik von ozeanischen großskaligen propagierenden Wirbeln Aufenthalte von Gastwissenschaftlern aus der Ukraine (D1097)	BMBF	PD Dr. Brandt	01.03.2007 - 28.02.2008	3.070,00
79	3508850700 Meeresnaturschutz in Nord- u. Ostsee	Klimawandel-bedingte Anforderungen an Maßnahmen des Meeresnaturschutzes in Nord- und Ostsee (D1237)	BfN	Prof. Visbeck	01.10.2008 - 31.12.2010	364.367,58
80	211597 EuroArgo WP3,6,7	Global Ocean Observing Infrastructure EuroArgo Preparatory Phase Konsortialvereinbarung zwischen KDM, ZMK, AWI, IFM-GEOMAR (D1247)	EU	Dr. Fischer	01.01.2008 - 30.06.2010	84.268,00
81	211597 EuroArgo/KDM	EuroArgo - Global Ocean Observing Infrastructure EuroArgo Preparatory Phase: Konsortialvereinbarung zwischen KDM, ZMK, AWI, IFM-GEOMAR (D1247)	EU	Dr. Fischer	01.01.2008 - 30.06.2010	20.865,00
82	AMMA TP1	AMMA: African Monsoon Multidisciplinary Analysis (D0904)	EU	Prof. Latif	01.01.2005 - 31.12.2009	125.700,00
83	AMMA TP2	AMMA: African Monsoon Multidisciplinary Analysis (D0904)	EU	PD Dr. Brandt	01.01.2005 - 31.12.2009	132.300,00
84	CarboOCean TP 3 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Prof. Send	01.01.2005 - 31.12.2009	187.400,00
85	CarboSchools 217751	CarboSchools; Coordination and support action, European network of regional projects for school partnership on climate change re-search (D1187)	EU	Dr. Dengg	01.01.2008 - 31.12.2010	80.000,00
86	DYNAMITE TP 1 (003903 GOCE)	„Integrating and strengthening the European Research Area“ Understanding the dynamics of the Coupled Climate System (D0914)	EU	Prof. Latif	01.03.2005 - 28.02.2008	157.128,00
87	DYNAMITE TP 2 (003903 GOCE)	s.o.	EU	Dr. Eden	01.03.2005 - 28.02.2008	157.128,00
88	Ensembles	ENSEMBLE-based Predictions of Climate Changes and their Impacts (D0888)	EU	Prof. Latif	01.09.2004 - 31.08.2009	403.074,00
89	EuroSITES	European Ocean Observatory Network (D1200)	EU	Dr. Karstensen	01.04.2008 - 31.03.2011	186.720,00
90	MERSEA WP3 (SIP3-CT2003-502885)	Marine EnviRonment and Security for the European Area (D0830)	EU	Prof. Send	01.04.2004 - 31.03.2008	512.142,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
91	Meta Analysis of Climate	Meta-Analysis of Climate - Plankton - Fish Interactions across semi - enclosed European Shelf Seas (D1185)	EU	Dr. Lehmann	01.02.2008 - 31.12.2008	19.500,00
92	TENATSO (037090, Visbeck)	Tropical Eastern North Atlantic Time-Series Observatory (Specific Support Action): Coordinator (D1000)	EU	Prof. Visbeck	01.10.2006 - 31.03.2009	18.000,00
93	Mare Preisgeld	(D1060)	Robert Bosch Stfg.	Dr. Dengg	01.11.2006 - 30.09.2008	5.000,00
94	Frühwarnsysteme	Frühwarnsysteme für globale Klimaveränderungen und ihre historische Dokumentation in natürlichen Klimaarchiven hier: Sachmittelverwaltung aufgrund Kooperationsvereinbarung AWI, IFM-GEOMAR und Akademie (D0926)	AdW	Dr. Spielhagen	01.06.2005 - 31.12.2009	107.324,23
95	Zuschuss IMPETUS-Workshop	Zuschuss zum IMPETUS-Workshop in St. Petersburg Nov. 08 (D1228)	Diverse	Dr. Kassens	01.11.2008 - 31.12.2008	1.400,00
96	CAVIAR	CAVIAR - Climate Variability of the Baltic Sea area (D1211)	Sonstige	Dr. Lehmann	01.05.2008 - 31.10.2009	69.550,00
97	INTAS 03-51-6682	Arctic Environments: The protected areas of the Lena Delta and New Siberian Islands - Past and Present Developments (D1039)	Sonstige	Dr. Bauch	01.08.2006 - 31.03.2008	16.482,00
98	POMOR Uni Mittel	POMOR zusätzliche Mittel von der Uni HH, Bremen und Kiel für Reisekosten der Stipendiaten (D1076)	Sonstige	Dr. Kassens	01.01.2007 - 31.12.2009	35.000,00
						18.928.714,87

¹ Total Budget over the complete funding period

Projects - Research Division 2: Marine Biogeochemistry

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
1	Ke466/1-3 Ridge 3	Emission and plume transport of methane and hydrogen from the Mid-Atlantic Ridge (D1166)	DFG	Dr. Keir	01.11.2007 - 31.10.2009	68.570,00
2	BA 1990/8-1, SOLAS-Summer School	Third international SOLAS (Surface Ocean Lower-Atmosphere Study) Summer School. 23.10.07 - 02.11.07 (D1152)	DFG	Dr. Bange	01.10.2007 - 29.02.2008	19.901,00
3	BA1990/7-3, N ₂ O im Nordatlantik	N ₂ O im Nordatlantik (D1125)	DFG	Dr. Bange	01.12.2007 - 30.11.2008	31.665,00
4	BIOCAT	Biogeochemical Interactions between the Ocean and the Atmosphere (BIOCAT) Summerschool 2008 (D1204)	DFG	Dr. Bange	01.06.2008 - 31.01.2009	12.000,00
5	BR 1075/11-1, Costa Rica Mud Mounds Site Survey	Costa Rica Mud Mounds Site Survey Site survey data evaluation IODP Proposal 633 (D1225)	DFG	Dr. Brückmann	01.08.2008 - 31.07.2009	58.800,00
6	CLUSTER - 2007/1 CP0710, VARAN /24	Variations of Trace Element Fluxes induced by Ocean Acidification at Ca ₂ +-Channels/Ca ₂ +-ATPases (D1067)	DFG	Prof. Eisenhauer	01.09.2007 - 31.08.2009	84.800,00
7	CLUSTER - HGTD-Sensor /65	HGTD-Sensor für Gasdruckmessungen (D1067)	DFG	Prof. Körtzinger	01.12.2008 - 31.12.2008	20.000,00
8	CLUSTER - ISOS/BIOCAT /39	Zuschuss zur BIOCAT Summerschool 2008 (D1067)	DFG	Dr. Bange	01.09.2008 - 31.12.2008	2.500,00
9	CLUSTER- JRG A1 Ozeanversäuerung 1067/23	JRG A1 Ozeanversäuerung (D1067)	DFG	Prof. Melzner	01.12.2007 - 30.11.2010	750.000,00
10	CLUSTER - Miniproposal Lichtfluktuationen/05 05.3	Miniproposal Lichtfluktuationen 05.3 (D1067)	DFG	Dr. Croot	01.01.2007 - 31.12.2008	10.000,00
11	CLUSTER - OTIS	OTIS - Ocean Tracer Injection System (D1067)	DFG	Prof. Wallace	01.05.2007 - 31.12.2008	78.250,00
12	CLUSTER- PI Eisenhauer /47	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Eisenhauer	01.10.2008 - 31.12.2008	7.500,00
13	CLUSTER PI Körtzinger /51	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Körtzinger	01.10.2008 - 31.12.2008	7.500,00
14	CLUSTER PI LaRoche /53	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. LaRoche	01.10.2008 - 31.12.2008	7.500,00
15	CLUSTER PI Oschlies /60	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Oschlies	01.10.2008 - 31.12.2008	7.500,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
16	CLUSTER - PI Riebesell /54	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Riebesell	01.10.2008 - 31.12.2008	7.500,00
17	CLUSTER - PI Wallace /58	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Wallace	01.10.2008 - 31.12.2008	7.500,00
18	CLUSTER - PI Wallmann /59	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Wallmann	01.10.2008 - 31.12.2008	7.500,00
19	CLUSTER - Seafloor Warming Effect /26	CLUSTER: A2. Seafloor Warming Effect Junior Professur (D1067)	DFG	Prof. Treude	01.01.2008 - 30.11.2011	800.000,00
20	CLUSTER -2007/1 CP0704, Cocolithophores 1067/21	Carbon acquisition in coccolithophores: molekular basis and adaptive potential (D1067)	DFG	Prof. Riebesell	01.10.2007 - 31.08.2008	52.400,00
21	CLUSTER- 2007/2 CP07A34 Nitrogen cycle /25	Cluster: Carbon and nitrogen cycle dynamics: integrated analysis of open ocean observations and mesocosm experiments. (D1067)	DFG	Prof. Oschlies	01.01.2008 - 30.06.2009	80.000,00
22	CLUSTER -2007/2 CP07A39 Neural-Network / 27	Neural-Network based coupling of benthic and pelagic components of biogeochemical ocean circulation models (D1067)	DFG	Prof. Oschlies	01.02.2008 - 31.03.2010	80.000,00
23	CLUSTER -BIOACID Zuschuss /37	Zuschuss Antrag BIOACID (D1067)	DFG	Prof. Riebesell	01.01.2008 - 31.12.2008	7.500,00
24	CLUSTER- ISOS- Zuschuss BIOCAT Summer-School/99	ISOS-Zuschuss für BIOCAT summer-school 09/08 (D1067)	DFG	Dr. Bange	01.09.2008 - 30.09.2008	2.500,00
25	CLUSTER- MINIPROPOSAL Coupled Climate/07	MINIPROPOSAL Coupled Climate (D1067)	DFG	Prof. Oschlies	01.02.2007 - 31.12.2008	99.000,00
26	CLUSTER -OTIS /04.4	OTIS (D1067)	DFG	Prof. Wallace	01.05.2007 - 31.12.2008	9.000,00
27	CLUSTER Trop. Eastern North Atlantic 2007/1 CP0726	Improved Methodes for Nitrogen Isotope Studies with Specific Application at the Tropical Eastern North Atlantic Time-Series Ovservatory, Cape Verde (D1067)	DFG	Prof. Wallace	01.09.2007 - 31.08.2009	74.400,00
28	CLUSTER -Zuschuss Workshop 09/08 /62	Zuschuss zum Workshop „ German Initiative for Marine Genomics and Metagenomics“ vom 23.-24.09.08 aus ISOS Mitteln (D1067)	DFG	Prof. LaRoche	01.09.2008 - 31.12.2008	2.500,00
29	CLUSTER -Zuschuss Workshop 10/08 /63	Zuschuss zum Workshop „Best Practices in Ocean Accidification Research“ vom 19.-21.11.08 aus ISOS Mitteln (D1067)	DFG	Prof. Riebesell	01.11.2008 - 31.12.2008	3.720,00

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30	CLUSTER-2007/2 CP07A43, High performance/35	CLUSTER: Exploring the genetic resources of deep sea extremophiles: Searching for high performance novel enzymes (D1067)	DFG	Prof. LaRoche	01.03.2008 - 28.02.2010	80.000,00
31	CLUSTER-2007/2 CP07A52 Neglected Bottleneck/ 34.2	CLUSTER: The neglected bottleneck: Early life stage ecology in times of global change (D1067)	DFG	Prof. Riebesell	01.02.2008 - 31.03.2010	28.400,00
32	CLUSTER-2007/2 CP07A65 /32 Gene expression	CLUSTER -Gene expression patterns in sea urchin embryos: Establishing a model system for biological and marine medical research in the context of global change (D1067)	DFG	Prof. Melzner	01.02.2008 - 31.03.2010	80.000,00
33	CLUSTER-Biogeochemical models 1067/15	The Future Ocean, Clusterproposal „A new computational framework to efficiently intergrate biogeochemical models from seasonal to multi-millennial time scales“ (D1067)	DFG	Prof. Oschlies	01.07.2007 - 30.06.2009	78.600,00
34	CLUSTER-Modelling chemosensor-aidet CP730/16	Modelling chemosensor-aided foraging in zooplankton (D1067)	DFG	Prof. Oschlies	01.09.2007 - 31.08.2009	70.000,00
35	CR 145/10-1	The influence of Fe on the distrubution and kinetic speciation of Zn, Cd, Co and Ni in the Southern Ocean (IPY) (D1126)	DFG	Dr. Croot	01.08.2007 - 31.07.2009	73.550,00
36	CR 145/15-1	Nanoparticles, Colloids and their relationship to Titanium, Aluminium and Iron solubility in the Open Ocean (D1172)	DFG	Dr. Croot	01.12.2007 - 30.11.2010	110.250,00
37	CR 145/16-1	Iodine Biogeochemistry in the Southern Ocean (D1221)	DFG	Dr. Croot	01.08.2008 - 31.07.2009	33.332,00
38	Cr 145/9-1	Cruise of Opportunity ANTXXIII-9: Distribution and solubility of iron complexes in biogeochemical provinceds of Southern Ocean (D1081)	DFG	Dr. Croot	01.02.2007 - 31.01.2008	12.684,00
39	CR145/11-1	Mapping Si an N Isotopes in Southern Ocean Surface Waters in Relation to Fe and Nutrient Concentrations and Diatom Valve Morphology (D1127)	DFG	Dr. Croot	01.08.2007 - 31.07.2009	21.150,00
40	EI 272/14-3	Magnesiumisotope als Proxy für abiogene und biogene Kalzifikationsprozesse und für die chemische Evolution der Ozeane im Phanerozoikum (D1181)	DFG	Prof. Eisenhauer	01.01.2008 - 31.12.2010	109.600,00
41	Ei 272/20-3, CASIOPEIA	FB 08: Evaluaton of the Ca Isotope System in Carbonate Polymorphs as a new Proxy for Seawater Temperature and secular Variations of Ca Conventration and Fractionation through Earth History (D1123)	DFG	Prof. Eisenhauer	01.07.2007 - 30.06.2008	122.200,00

Appendices

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42	EI 272/22-1	The last deglacial sea-level and climatic changes. Coral Reef records in the south Pacific: Tahiti (French Polynesia) - IOPD- Expedition #310-, Australian Great Barrier Reef- IODP Proposal #519: Potential of diagenetically altered corals for subseasonal ...	DFG	Prof. Eisenhauer	01.10.2007 - 30.09.2010	109.200,00
43	Ei 272/23-1 P.O.E.T	Räumliche Verlagerung des Phrasenversatzes zwischen oberflächen-naher Ozeanverwärmung, Evaporation und Änderungen im kontinentalen Eisvolumen zu Beginn der interglazialen Isotopenstadien 1 und 5 (D1143)	DFG	Prof. Eisenhauer	01.08.2007 - 31.07.2009	181.400,00
44	EI 272/24-1	The role of ocean crust low temperature alteration carbonates in the global calcium cycle (IODP/ODP) (D1120)	DFG	Prof. Eisenhauer	01.08.2007 - 31.07.2008	79.295,00
45	Ei 272/26-1, Pharao	The Influence of Phase Separation on the Ca-Isotope Composition and Fluxes in Hydrothermal Systems (D1163)	DFG	Prof. Eisenhauer	01.11.2007 - 31.10.2008	62.800,00
46	He 3512/2-2, Gas hydrat quantification 2	Development of a combined geochemical-geophysical approach for quantification of regional submarine gas hydrate inventories (D1035)	DFG	Dr. Hensen	01.08.2006 - 31.07.2008	78.550,00
47	Lo 360/8-2 DFG-Senatskommission	Besetzung Sekretariat der DFG-Senatskommission (D1092)	DFG	Prof. Lochte	01.03.2007 - 28.02.2008	60.400,00
48	OS 175/4-1, CO2mix	Modellgestützte Untersuchungen zum Einfluß mariner Vermischungsprozesse auf glazial-interglaziale Änderungen des atmosphärischen CO ₂ Gehalts (D1095)	DFG	Prof. Oeschies	01.03.2007 - 28.02.2010	95.450,00
49	Ri 598/2-2, Carbon Partitioning	Temperatur-dependency of carbon partitioning between dissolved and particulate organic matter in a pelagic new production system (D1070)	DFG	Prof. Riebesell	01.11.2006 - 31.10.2009	213.000,00
50	Ri 598/4-1	Auswirkung der Ozeanversauerung auf die Kalzifizierung der riffbildenden Kaltwasserkoralle <i>Lophelia pertusa</i> (<i>Scleractinia</i>) (D1148)	DFG	Prof. Riebesell	01.09.2007 - 30.08.2010	187.250,00
51	Ro 2138/6-1	The photosynthetic response to iron limitation and iron resupply in diatoms (D1149)	DFG	Prof. LaRoche	01.09.2007 - 31.08.2010	136.050,00
52	Ro 2138/7-1	Study of factors controlling nitrogen fixation in the Subtropical North Atlantic and in the Mediterranean: Experimental manipulation of natural microbial populations on board of Meteor 68/3 and 71/3 expeditions (D1131)	DFG	Prof. LaRoche	01.08.2007 - 31.07.2008	66.850,00
53	Ta 317/1-1, BaTre	Investigation of deep-water mixing in the Baltic Sea with the help of a tracer release experiment. (BaTRE) (D1106)	DFG	Dr. Tanhua	01.05.2007 - 30.04.2010	18.179,00
54	Wa 1434/10-1, Tracers in the Tropical Atlantic	Anthropogenic Carbon, CFC-12 and SF6 in the Tropical Atlantic (D1167)	DFG	Prof. Wallace	01.11.2007 - 31.10.2010	113.450,00

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55	Zo 252/2-1, Roseobacter Bakterien	Bakterien der Gattung Roseobacter vor der Küste Mauretaniens (D1136)	DFG	Dr. Zöllner	01.08.2007 - 31.07.2008	23.750,00
56	TP A3/B5	Sedimentdiagenese an aktiven Kontinentalrändern: Akkumulation, Abbau und Export von Volatilen	DFG-SFB574	Prof. Wallmann	01.01.2001 - 30.06.2008	641.635,00
57	TP B03	TP B03: Benthischer Volatilen-Ausstrom und Umsatz: Mechanismen und Budgets (D1214)	DFG-SFB574	Dr. Linke	01.07.2008 - 30.06.2012	307.900,00
58	TP B05	TP B05: Diagenetische Prozesse in Forearc Sedimenten und der Volatileintrag in Subduktionszonen Systeme: Akkumulation, Transport und Freisetzung von Volatilen (D1214)	DFG-SFB574	Dr. Hensen	01.07.2008 - 30.06.2012	344.050,00
59	TP B06	TP B06 - Authigene Karbonate als Langzeitarchiv für Fluidfreisetzung (D1214)	DFG-SFB574	Prof. Eisenhauer	01.07.2008 - 30.06.2012	125.800,00
60	TP B2	Fluid-, Sediment- und Methanumsatz an konvergenten Plattenrändern: Die Rolle der Schlammdiapire und Schlammvulkane	DFG-SFB574	Dr. Brückmann	01.01.2001 - 30.06.2008	283.462,00
61	TP B3	s.o.	DFG-SFB574	Dr. Linke	01.01.2001 - 30.06.2008	493.624,00
62	TP B6	Fluid sources timing of release and dcaron inventory	DFG-SFB574	Prof. Suess	01.07.2004 - 30.06.2008	116.000,00
63	TP C5	Der Volatilen- und Fluidumsatz an Subduktionszonen und seine Wirkungen auf die globalen Kreisläufe klimarelevanter Elemente und Substanzen	DFG-SFB574	Prof. Wallmann	01.01.2001 - 30.06.2008	334.871,50
64	TP Z+Z2	Zentrales Verwaltungsprojekt	DFG-SFB574	Prof. Suess	01.01.2001 - 30.06.2008	1.019.145,00
65	TP A01	TP A01 - Antwort des gekoppelten Systems Klima-Biogeochemie in den Tropen auf globaler Erwärmung (D1176)	DFG-SFB754	Prof. Oschlies	01.01.2008 - 31.12.2008	152.000,00
66	TP A03	TP A03: Diapyknische und Isopyknische Vermischung an der Südflanke des Guinea Auftriebsgebietes: Ein Tracer Release Experiment (D1176)	DFG-SFB754	Prof. Wallace	01.01.2008 - 31.12.2008	193.200,00
67	TP A04	TP A04: Trends und Variabilität von Sauerstoffinventar und -versorgung in Sauerstoffminimumzonen (D1176)	DFG-SFB754	Prof. Körtzinger	01.01.2008 - 31.12.2008	311.500,00
68	TP A07	TP A07: Ursachen und zeitlicher Verlauf von Einsetzen und Ausbreitung anoxischer Verhältnisse im Kreide-Ozean (D1176)	DFG-SFB754	Prof. Wallmann	01.01.2008 - 31.12.2008	234.300,00
69	TP B01	TP B01: Ein globales Modell redox-sensitiver biogeochemischer Kreisläufe (D1176)	DFG-SFB754	Prof. Oschlies	01.01.2008 - 31.12.2008	165.700,00

Appendices

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70	TP B01	TP B01: Ein globales Modell redox-sensitiver biogeochemischer Kreisläufe (D1176)	DFG-SFB754	Prof. Wallmann	01.01.2008 - 31.12.2007	165.700,00
71	TP B02	TP B02: Reaktionen der Planktongemeinschaft auf Änderungen der Nährstoffstöchiometrie (D1176)	DFG-SFB754	Prof. Riebesell	01.01.2008 - 31.12.2008	99.000,00
72	TP B03	TP B03: Sensitivität der biologischen Stickstofffixierung im Ozean gegenüber gelöstem Sauerstoff (D1176)	DFG-SFB754	Prof. LaRoche	01.01.2008 - 31.12.2008	161.200,00
73	TP B04	TP B04: Stickstoffverlust und Nährstofferneuerung in Meerwasser mit einem Sauerstoffdefizit (D1176)	DFG-SFB754	Prof. LaRoche	01.01.2008 - 31.12.2008	156.100,00
74	TP B05	TP B05: Auswirkungen niedriger Sauerstoffkonzentrationen auf dem Biogeochemischen Kreislauf von Eisen und Phosphat (D1176)	DFG-SFB754	Dr. Hensen	01.01.2008 - 31.12.2008	230.300,00
75	TP B05	TP B05: Auswirkungen niedriger Sauerstoffkonzentrationen auf den Biogeochemischen Kreislauf von Eisen und Phosphat (D1176)	DFG-SFB754	Dr. Croot	01.01.2008 - 31.12.2008	230.300,00
76	TP B06	TP B06: Redox-sensitive Stickstoffflüsse in der Bodengrenzschicht (D1176)	DFG-SFB754	Prof. Eisenhauer	01.01.2008 - 31.12.2008	250.700,00
77	TP Z01	TP Z01: Zentrale Aufgaben des Sonderforschungsbereiches (D1176)	DFG-SFB754	Prof. Wallace	01.01.2008 - 31.12.2008	1.416.160,00
78	TP Z02	TP Z02: Expeditionskosten für die SFB Schiffsreisen (D1176)	DFG-SFB754	Dr. Pfannkuche	01.01.2008 - 31.12.2008	438.300,00
79	03 G 0600 D, Comet TP 1	Verbundprojekt:COMET:Kontrollfaktoren der Methanflüsse und ihrer Klimarelevanz in marinen gashydrathaltigen Ökosystemen; Leit-antrag; Vorhaben: Untersuchung und Modellierung der Steuerpa-rameter für die Freisetzung und den Umsatz von Methan aus „cold seeps“	BMBF	Dr. Pfannkuche	01.01.2005 - 29.02.2008	889.918,00
80	03 G 0600 D, Comet TP 2	Verbundprojekt: COMET: s.o.	BMBF	Dr. Rehder	01.01.2005 - 29.02.2008	184.206,00
81	03 G 0600 D, Comet TP 3/Charon	Verbundprojekt: COMET: s.o.	BMBF	Prof. Eisenhauer	01.01.2005 - 28.02.2008	510.557,00
82	03 G 0600 D, Comet TP 4	Verbundprojekt: COMET: s.o.	BMBF	Dr. Keir	01.01.2005 - 29.02.2008	297.831,00
83	03 G 0600 D, Comet TP 5	Verbundprojekt: COMET: s.o.	BMBF	Prof. Wallmann	01.01.2005 - 29.02.2008	191.317,00
84	03 G 0600 D, Comet TPKoordination	Verbundprojekt: COMET: s.o.	BMBF	Dr. Linke	01.01.2005 - 29.02.2008	244.158,00

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85	03F0444C, NICO	Verbundprojekt: Nitratsensor -UV-Nitratsensor für den Einsatz in der Meeresforschung; Algorithmenoptimierung und Antifouling (D1025)	BMBF	Prof. Körtzinger	01.08.2006 - 31.07.2009	61.789,00
86	03F0447A, MOST, WTZ Deutsch-Israel	WTZ Deutsch-Israel: System Erde: Kombinierte Effekte von angestiegenen Temperaturen und erhöhtem CO ₂ auf wichtige aquatische Diazotrophe auf physiologischem, biochemischem und Gen-Expressionslevel (D1041)	BMBF	Prof. LaRoche	01.08.2006 - 31.07.2009	170.000,00
87	03F0462A, SOPRAN, Koordination	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; Leitantrag, TP IFM-GEOMAR (D1066)	BMBF	Prof. Wallace	01.11.2006 - 31.12.2009	571.809,00
88	03F0462A, SOPRAN, TP 3.5	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 3.5 (D1066)	BMBF	Prof. Körtzinger	01.11.2006 - 31.12.2009	344.549,00
89	03F0462A, SOPRAN, TP 2.4	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 2.4 (D1066)	BMBF	Prof. Lochte	01.11.2006 - 31.12.2009	135.195,00
90	03F0462A, SOPRAN, TP1.2	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 1.2 (D1066)	BMBF	Prof. LaRoche	01.11.2006 - 31.12.2009	368.149,00
91	03F0462A, SOPRAN, TP2.3	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 2.3 (D1066)	BMBF	Prof. Riebesell	01.11.2006 - 31.12.2009	574.997,00
92	03F0462A, SOPRAN, TP3.1	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 3.1 (D1066)	BMBF	Prof. Wallace	01.11.2006 - 31.12.2009	375.709,00
93	03F0462A, SOPRAN, TP3.4	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 3.4 (D1066)	BMBF	Dr. Bange	01.11.2006 - 31.12.2009	380.792,00
94	03F0477I FS SONNE Neubau	Nachfolgebau FS SONNE (D1196)	BMBF	Dr. v. Bröckel	01.04.2008 - 31.03.2012	363.709,00
95	03G0196B SO 196-SUMSUN	SO 196 - SUMSUN. Geochemische Untersuchungen der Porenwässer und Sedimente von CO ₂ Seeps (D1179)	BMBF	Prof. Wallmann	01.01.2008 - 28.02.2009	27.856,00
96	03G0687A SUGAR TP 4	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: Submarine Gashydrat-Lagerstätten als Deponie für die CO ₂ -Sequestrierung; Vorhaben. Prospektion und Exploration von Gashydrat-Lagerstätten - Sonderprogramm GEOTECHNOLOGIEN (D1208)	BMBF	Dr. Hensen	01.05.2008 - 30.04.2011	227.133,00
97	03SX250 SUGAR B	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR B: Submarine Gashydrat-Lagerstätten - Erkundung, Abbau und Transport, Vorhaben: Numerische Simulation des Hydratabbaus und Erdgasgewinnung mittels CO ₂ -Substitution von Methan in Clathraten (D1213)	BMBF	Prof. Wallmann	01.07.2008 - 30.06.2011	1.861.872,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
98	IND 08/204 Forschungsmarketing	Forschungsmarketing zum Projekt „Submarine Gashydrat Lagerstätten, SUGAR“ : Umsetzung von Marketing Maßnahmen im Ziel-land Indien (D1248)	BMBF	Dr. Brückmann	01.11.2008 - 30.04.2010	76.200,00
99	Literaturstudie „Schlei“	Erstellung einer Literaturstudie zum Zustand und zum Verbesserungspotenzial der inneren Küstengewässer im Teileinzugsgebiet „Schlei“ (D1227)	LANU	Prof. Riebesell	10.08.2008 - 10.11.2008	16.500,00
100	Enzymsysteme	Molekulare Ökologie und Monitoring der Enzymsysteme Hydrogenase und Nitrogenase im Plankton von Nordatlantik, Nord- und Ostsee (D1073)	MWV	Prof. LaRoche	01.11.2006 - 30.10.2008	85.500,00
101	211384 EPOCA	EPOCA - Euroean Project on Ocean Acidification (D1205)	EU	Prof. Oschlies	01.05.2008 - 30.04.2012	160.395,20
102	211384 EPOCA	EPOCA - Euroean Project on Ocean Acidification (D1205)	EU	Prof. Riebesell	01.05.2008 - 30.04.2012	591.503,80
103	CarboOcean TP 1 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Prof. Körtzinger	01.01.2005 - 31.12.2009	241.100,00
104	CarboOCean TP 2 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Prof. Oschlies	01.01.2005 - 31.12.2009	111.500,00
105	CarboOCean TP 4 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Prof. Wallace	01.01.2005 - 31.12.2009	204.100,00
106	CarboOCean TP 5 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Prof. Körtzinger	01.01.2005 - 31.12.2009	207.500,00
107	CarboOCean TP 6 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Prof. LaRoche	01.01.2005 - 31.12.2009	48.200,00
108	CarboOcean TP 7 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Prof. Riebesell	01.01.2005 - 31.12.2009	230.000,00
109	CarboOCean TP 8 (511176-2)	Marine carbon sources and sinks assessment (D0897)	EU	Dr. Rehder	01.01.2005 - 31.12.2009	154.800,00
110	ESONET (GOCE 036851)	European Seas Observatory Network (D1099)	EU	Dr. Pfannkuche	01.03.2007 - 28.02.2011	13.168,00
111	EurOcean „Trainingskurs“	Trainingskurs im Rahmen des EurOcean Projektes RK H.Haslob und K. Zindler (D0907)	EU	Prof. Körtzinger	01.01.2008 - 31.12.2008	1.000,00
112	EUR-OCEANS TP 1	EUropean Network of excellence for OCean Ecosystems ANalysis (EUR-OCEANS) (D0907)	EU	Prof. Lochte	01.01.2005 - 31.12.2008	148.500,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
113	EUR-OCEANS Zuschuss Workshop 10/08	Zuschuss zum Workshop: Metagenomics Insights Redox and Nutrient Cycles in the Ocean am 6.-7.10.08 im Rahmen von EurOceans (D0907)	EU	Prof. Wallace	06.10.2008 - 07.10.2008	5.000,00
114	HERMES (GOCE-CT-2005-511234-1)	Hotspot Ecosystem Research on the Margins Seas (HERMES) (D0905)	EU	Dr. Pfannkuche	01.04.2005 - 31.03.2009	537.240,00
115	Marine CH ₄ oxidation (MOIF-CT-2006-021604)	Marine CH ₄ oxidation, the role water column methane oxidation in the global carbon budget. Marie Curie Outgoing Fellowships (D1001)	EU	Dr. Rehder	01.05.2006 - 30.04.2009	260.570,72
116	MERSEA WP7 (SIP3-CT2003-502885)	Marine EnviRonment and Security for the European Area (D0830)	EU	Prof. Oeschles	01.04.2004 - 30.09.2008	266.760,00
117	OOMPH (018419)	Organics over the Ocean Modifying Particles in both Hemispheres (D0963)	EU	Prof. Lochte	01.09.2005 - 31.08.2008	203.400,00
118	OOMPH (018419)	s.o.	EU	Prof. Riebesell	01.09.2005 - 31.08.2008	135.600,00
119	PITN-GA-2008- 215157 CarlMarO	CalMaro -Ca lification by Marine Organism: Networks for Initial Training (ITN) Marie Curie/SP3 People (D1206)	EU	Prof. Eisenhauer	01.10.2008 - 30.09.2012	194.585,49
120	PITN- GA-2008-215157 CarlMarO	CalMaro s.o. (D1206)	EU	Prof. LaRoche	01.10.2008 - 30.09.2012	101.005,04
121	PITN- GA-2008-215157 CarlMarO	CalMaro s.o. (D1206)	EU	Prof. Riebesell	01.10.2008 - 30.09.2012	194.585,49
122	TENATSO (037090)	Tropical Eastern North Atlantic Time-Series Observatory (Specific Support Action) Coordinator (D1000)	EU	Prof. Wallace	01.10.2006 - 31.03.2009	112.200,00
123	SUGAR B	SUGAR B, Zuschuss von E.ON, REW, Stadtwerke Kiel (D1213)	Sonstige Industrie	Prof. Wallmann	01.07.2008 - 30.06.2011	1.037.000,00
124	China Projekt	Zusammenarbeit (D0843)	China	Prof. Suess	01.06.2004 - 31.03.2008	58.320,00
						25.694.123,24

¹ Total Budget over the complete funding period

Projects - Research Division 3: Marine Ecology

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
1	4851/331/08 - .Larval Fish Conference	32. Annual Larval Fish Conference, Kiel 04.-07.08.08 (D1207)	DFG	Dr. Clemmesen-Bockelmann	01.08.2008 - 31.08.2008	17.300,00
2	AB 289/2-1,LITROPE	Der Einfluß von Nährstofflimitationen auf Primär- und Sekundärkonsumenten und die Weitergabe dieses Limitationssignals an höhere trophische Ebenen. (D1024)	DFG	Dr. Aberle-Malzahn	18.10.2006 - 17.10.2009	77.367,00
3	CI 126/3-2, RECONN2	Resolving Trophodynamic Consequence of Climate Change (RECONN 2): Match-mismatch between Secondary and Tertiary Production in the Baltic Sea (D1068)	DFG	Dr. Clemmesen-Bockelmann	01.11.2006 - 31.10.2009	135.600,00
4	CLUSTER - Fisheries-Management /43	Alternative Scenarios für European Fisheries Management (D1067)	DFG	Dr. Froese	01.04.2008 - 31.03.2010	31.850,00
5	CLUSTER - PI Wahl /57	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Wahl	01.10.2008 - 31.12.2008	7.500,00
6	CLUSTER - Larval Fish Conference 08/08 /14	International Larval Fish Conference 04.-07.08.08 ISOS Zuschuss (D1067)	DFG	Dr. Clemmesen-Bockelmann	01.01.2008 - 21.12.2008	8.000,00
7	CLUSTER - PI Sommer /55	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Sommer	01.10.2008 - 31.12.2008	7.500,00
8	CLUSTER -2007/1 CP0722 Omega 34S 1067/20	Building up the capacity for Omega34S measurements from organic samples by continuous flow isotope mass spectrometry (D1067)	DFG	Prof. Sommer	01.09.2007 - 31.08.2009	71.000,00
9	CLUSTER-2007/2CP07A46, /29 Model Macroalga	CLUSTER: A transcript profiling tool to investigate synergistic effects of non-biotech and biotic changes in a model macroalga (D1067)	DFG	Dr. Weinberger	01.02.2008 - 31.03.2010	80.000,00
10	CLUSTER Complex barriers 2007/1 CP0706 /19	Complex barriers: The biotech control of marine biofilms on algal surface (D1067)	DFG	Prof. Wahl	01.09.2007 - 31.08.2009	102.800,00
11	CLUSTER -Floating Mesocosms /D1067/42	Zuschuss zum Workshop „Floating Mesocosms“ (D1067)	DFG	Prof. Wahl	01.10.2008 - 31.12.2008	2.500,00
12	CLUSTER- Miniproposal Managing Cod /08	Managing Cod and Sprat in the Central Baltic Sea - A Bio-economic Multi-Species Approach with Stochastic Regeneration Functions (D1067)	DFG	Dr. Froese	01.02.2007 - 31.12.2009	50.000,00
13	CLUSTER- Miniproposal Lichtfluktuationen / 05.2	Miniproposal Lichtfluktuationen (D1067)	DFG	Prof. Wahl	01.01.2007 - 31.12.2008	15.000,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
14	CLUSTER- PI Froese /49	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Dr. Froese	01.10.2008 - 31.12.2008	7.500,00
15	CLUSTER-2007/2 CP07A51 Altern. Scenarios/43	Cluster Proposal 2007/2: Alternative Scenarios for European Fisheries Management (D1067)	DFG	Dr. Froese	01.10.2008 - 31.10.2009	31.850,00
16	CLUSTER-2007/2 CP07A52 Neglected Bottleneck/ 34.1	CLUSTER: The neglected bottleneck: Early life stage ecology in times of global change (D1067)	DFG	Prof. Wahl	01.02.2008 - 31.03.2010	51.600,00
17	CLUSTER-2008/1 CP0818 Macroalga /71	Consequences of seafloor warming and salinity decrease for macroalga-microbe interactions (D1067)	DFG	Dr. Weinberger	01.01.2009 - 31.12.2010	50.000,00
18	CLUSTER-Modelling chemosensor-aided CP730/11	EMBS 2007 / Cluster (D1067)	DFG	Prof. Wahl	01.05.2007 - 31.12.2008	15.000,00
19	IM 12/16-1	Analyse spezifischer prokaryontischer Gruppen im oligotrophen Levantinischen Becken im Hinblick auf horizontale und vertikale Zonierung sowie Reaktionen auf Nährstoff-Einträge (D1130)	DFG	Prof. Imhoff	01.08.2007 - 31.12.2009	75.760,00
20	RE 1108/7-1 (AOBJ 554440)	Detecting adaptive divergence in a widespread aquatic plant using genetic markers under selection and genome scans (Fortsetzung) (D1231)	DFG	Prof. Reusch	01.09.2008 - 31.08.2009	59.307,00
21	RE 1108/9-1, Seagrasses	Do seagrasses feel the heat? - assessing the potential for micro-evolutionary change in a marine keystone plant in response to global (D1229)	DFG	Prof. Reusch	01.09.2008 - 30.11.2009	36.750,00
22	SO 145/23-2 Aquashift	Match and mismatch between phyto-and zooplankton during spring succession: an experimental analysis with the Baltic Sea plankton (D1063)	DFG	Prof. Sommer	01.11.2006 - 28.02.2010	205.380,00
23	SO 145/24-2, Meta Analysis 2 AQUASHIFT	AQUASHIFT: co-ordination, meta analysis (D1071)	DFG	Prof. Sommer	01.11.2006 - 31.10.2009	267.700,00
24	WA 708/21-1	Interface Ecology: How do macroalgae control the quantity and composition of the bacterial epibioses at their surfaces? (D1238)	DFG	Prof. Wahl	01.11.2008 - 31.10.2011	123.046,00
25	TP B02	TP B02: Reaktionen der Planktongemeinschaft auf Änderungen der Nährstoffstöchiometrie (D1176)	DFG-SFB754	Prof. Sommer	01.01.2008 - 31.12.2008	99.000,00
26	04HS065 Eel Trace- der Europäische Aal	Habitatselektion des Europäischen Aals (D0965)	BMBF	Prof. Hanel	01.10.2005 - 31.12.2008	414.725,00
27	D/07/09514 PPP Chile	Projektbezogener Personenaustausch mit Chile-ALECHILE (D1202)	BMBF	Prof. Imhoff	01.03.2008 - 31.12.2008	4.955,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
28	IKYDA, D/07/134176 PPP Griechenland	Projektbezogener Personenaustausch mit Griechenland IKYDA 2008/2009 (D1190)	BMBF	Prof. Hanel	01.01.2008 - 31.12.2009	6.000,00
29	Heringslarvensurveys	Durchführung und Auswertung zweier Heringslarvensurveys in der Nordsee und im Englischen Kanal (DI031)	BfaFi	Prof. Schnack	01.07.1995 - 31.12.2008	817.309,03
30	612/7175.29 Folge Laicherqualität Aale in SH	Fortsetzung zu Laicherqualität Aale in Schleswig-Holstein (D1113)	AfLR	Prof. Hanel	01.06.2007 - 31.03.2008	16.720,00
31	Folge Laicherqualität	Folgeantrag Laicherqualität Aale in Schleswig-Holstein (D1217)	AfLR	Prof. Hanel	18.06.2008 - 31.12.2008	15.220,00
32	OZON	Die Toxizität von Ozon und Ozon-generierten Radikalen in marine Kreislaufanlagen: Optimierung der Ozonanwendung in marinen Kreislaufanlagen (D0985)	AfLR	Prof. Hanel	01.01.2006 - 31.12.2008	150.000,00
33	0608.46-246 Ulven-Lash	Ulven-Lash für das LANU (D1243)	LANU	Prof. Wahl	01.11.2008 - 30.11.2009	46.000,00
34	0608.46-254 Künstliche Riffe	Ökologische Bedeutung künstlicher Riffe (D1246)	LANU	Prof. Wahl	01.11.2008 - 30.11.2009	10.300,00
35	131-0608.46-200, Laichentaucher-Monitoring	Laichentaucher-Monitoring (D1158)	LANU	Dr. Rumohr, H.	01.10.2007 - 30.11.2008	30.000,00
36	131-0608.46-216 Fucus Keimung	FUCUS-Keimung (D1191)	LANU	Dr. Weinberger	01.03.2008 - 30.11.2009	58.000,00
37	131-0608.46-251 Neophyta Ostsee	Neophyta Ostsee (D1240)	LANU	Dr. Weinberger	01.11.2008 - 30.10.2009	36.000,00
38	Algenbewertung-Winter 133-0608.46-201	Algenbewertung-Winter (D1156)	LANU	Prof. Wahl	01.10.2007 - 30.04.2008	25.300,00
39	Algen-Erbe 131-0608.46-194	Algen-Erbe (D1155)	LANU	Prof. Wahl	01.10.2007 - 31.03.2008	30.400,00
40	Exposition 4121.3-2005-215F	Erstellung einer Expositions Karte für die deutsche Ostseeküste (D1203)	LANU	Dr. Rumohr, H.	01.05.2008 - 31.10.2008	15.000,00
41	Fucus-Verbreitung 131-0608.46-195	Fucus-Verbreitung (D1157)	LANU	Prof. Wahl	01.10.2007 - 31.07.2009	119.600,00
42	Gracilaria-Fucus	Gracilaria-Fucus (D1159)	LANU	Dr. Weinberger	01.10.2007 - 30.09.2008	45.000,00
43	Langzeit Algenmonitoring 131-0608-46-68	Betreuung der für das LANU eingerichteten Ostsee-Überwachungsstellen in Damp, in der Orther Bucht und nahe Maasholm (D0887)	LANU	Prof. Wahl	01.12.2004 - 30.11.2008	48.000,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
44	LANU 133-0608.46-205 WRRL	Auswertung von WRRL-Planktonproben 2007 (D1160)	LANU	Prof. Sommer	01.10.2007 - 31.05.2008	37.000,00
45	LANU 134-0608.46-171, Invasoren Frühwarnsystem	Invasoren Frühwarnsystem (D1107)	LANU	Prof. Wahl	01.05.2007 - 30.04.2008	28.250,00
46	LASH 131-0608.46-193	LASH-Support (D1154)	LANU	Prof. Wahl	01.10.2007 - 31.05.2008	29.700,00
47	LASH + GRAZER 4121.3-2008-217F	LASH + GRAZER für das Landesamt für Natur und Umwelt des Landes Schleswig-Holstein (D1201)	LANU	Prof. Wahl	01.05.2008 - 30.04.2009	33.000,00
48	Plaktonproben 2008 (WRRL)	Auswertung Planktonproben 2008 (WRRL) (D1232)	LANU	Prof. Sommer	01.10.2008 - 30.04.2009	20.000,00
49	Sterblichkeit von Aalen	Quantifizierung der fischereilichen, sonstigen anthropogen bedingten und natürlichen Sterblichkeit von Aalen im Einzugsgebiet der Schwentine (Schleswig-Holstein) (D1233)	MLET	Prof. Hanel	01.09.2008 - 31.10.2011	328.168,62
50	BIOKATALYSE 2021-P24	Nachhaltige Biokatalyse auf neuen Wegen - BIODIVERSITY 2021: Isolierung, Charakterisierung und Produktion antimikrobieller (AMPs) mariner Organismen (D1215)	MWV	Prof. Imhoff	01.07.2008 - 30.06.2011	450.000,00
51	KiWiZ II	KiWiZ II - Zentrum für marine Wirkstoffforschung im IFM-GEOMAR (D1174)	MWV	Prof. Imhoff	01.01.2008 - 31.12.2010	2.997.000,00
52	Subito-Reinsubstanz-Bibliothek	Aufbau einer Reinsubstanz-Bibliothek mariner Naturstoffe im Zusammenhang mit dem Europäischen Screening Port in Hamburg (D1235)	MWV	Prof. Imhoff	01.11.2008 - 31.12.2011	1.819.859,00
53	211384 EPOCA	EPOCA - European Project on Ocean Acidification (D1205)	EU	Dr. Clemmesen-Bockelmann	01.05.2008 - 30.04.2012	100.208,00
54	211384 EPOCA	EPOCA - European Project on Ocean Acidification (D1205)	EU	Prof. Sommer	01.05.2008 - 30.04.2012	100.208,00
55	EUR- OCEANS TP 2	EUROPEAN Network of excellence for Ocean Ecosystems Analysis (EUR-OCEANS) (D0907)	EU	Prof. Sommer	01.01.2005 - 31.12.2008	8.500,00
56	EUR-OCEANS.Meeting Croatia und Slovenia	Impact of Global Changes on the Dynamic of Carnivorous Plankton in Mediterranean Pelagic Ecosystems Mittel im Rahmen des EurOceans Projekts (D1142)	EU	Prof. Sommer	01.10.2007 - 30.01.2008	17.000,00
57	INCOFISH (003739)	Integrating Multiple Demands on Coastal Zones with Emphasis on Aquatic Ecosystems and Fisheries (INCOFISH), 6. RP. (D0921)	EU	Dr. Froese	01.05.2005 - 30.04.2008	1.127.800,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
58	MARBEF (GOCE-CT2003-505446)	Marine Biodiversity and Ecosystem Functioning (D0822)	EU	Dr. Piatkowski	01.02.2004 - 31.01.2009	101.444,00
59	MIRG-CT-2007 - 208801 IDA	IDA - Intraspecific Diversity and Adaptability of Fucus vesiculosus at range limits (D1177)	EU	Prof. Wahl	01.10.2007 - 30.09.2011	100.000,00
60	PICOS 215056	PICOS - Privacy and Identity Management for Community Services (D1186)	EU	Dr. Ueberschär	01.02.2008 - 31.01.2011	348.218,00
61	PIOF- GA-2008-221840 SeagrassTime	SeagrassTime: Trophic Cascades in Marine Ecosystems Marie Curie Outgoing Fellowship, Britta Munkes, Australien (D1220)	EU	Prof. Sommer	01.08.2008 - 31.07.2011	236.637,45
62	PITN-GA-2008 -215157 CarlMarO	CalMarO -Calcification by Marine Organism: Networks for Initial Training (ITN) Marie Curie/SP3 People (D1206)	EU	Dr. Clemmesen-Bockelmann	01.10.2008 - 30.09.2012	194.585,49
63	PITN-GA-2008 -215157 CarlMarO	CalMarO -Calcification by Marine Organism: Networks for Initial Training (ITN): Marie Curie/SP3 People (D1206)	EU	Prof. Wahl	01.10.2008 - 30.09.2012	194.585,49
64	PROTECT (513670 SSP8)	Marine Protected areas as a tool for ecosystem conservation and fisheries management Programme: Integrated and strengthening the European Research Area (D0911)	EU	Prof. Schnack	01.01.2005 - 30.06.2008	124.210,00
65	SPRATTUS 0252660	Towards the identification of fish stocks in European waters by means of the database FishTrace: The European sprat (Sprattus sprattus) as a model species (D1114)	EU	Prof. Hanel	01.07.2007 - 28.02.2009	24.500,00
66	Uncover	Understanding the mechanisms of stock recovery (D0999)	EU	Dr. Voss	01.03.2006 - 28.02.2010	240.882,00
67	Stipendium S. Dobretsov	Stipendium Sergey Dobretsov, 12 Monate (D1004)	AvH	Prof. Wahl	01.04.2006 - 31.03.2008	27.600,00
68	Zuschuss Dobretsov 2007	Forschungskostenzuschuss Dobretsov (allg. Verbrauchsmittel) (D1004)	AvH	Prof. Wahl	01.01.2007 - 31.03.2008	12.000,00
69	GAME II 04-204	Internationales Ausbildungs-und Forschungsprogramm GAME II (D0929)	Stiftung Mercator	Prof. Wahl	01.10.2005 - 31.01.2009	582.639,00
70	Larval Fish-Konferenz Mitfinanzierung /14.M	Mitfinanzierung Larval Fish Conference, div. Einzahler (D1067)	Sonstige	Dr. Clemmesen-Bockelmann	01.08.2007 - 31.08.2008	1.050,00
71	Drittmittelvertrag Springer Verlag	Beschäftigung einer Redaktionsassistentin für die Betreuung der Zeitschrift: Marine Biology (Herausgeber: Prof. Sommer/IFM-GEOMAR (D1119)	Sonstige	Prof. Sommer	01.08.2007 - 31.12.2009	83.168,30
72	GAME III	Internationales Ausbildungs-und Forschungsprogramm GAME III (D1242)	Sonstige	Dr. Lenz	01.10.2008 - 31.01.2011	56.000,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
73	Untersuchung zur Ozontechnik	Ozone analysis in seawater (D0960)	Sonstige	Prof. Hanel	01.08.2005 - 30.06.2008	6.945,00
						12.948.997,38

¹ Total Budget over the complete funding period

Projects - Research Division 4: Dynamics of the Ocean Floor

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
1	BE 1041/20-2, FastSeat 2	Fabric genesis, strenght and physical properties of young Sedi-ments, Ursa and Brazos-Trinity basins, Gulf of Mexico. A follow-up laboratory study of IODP Expedition 308 (D1224)	DFG	Prof. Behrmann	01.08.2008 - 31.07.2009	41.640,00
2	BE 141/20/-1; FastSed	s.o. (D1040)	DFG	Prof. Behrmann	01.08.2006 - 31.07.2008	76.400,00
3	CLUSTER - PI Flüh /48	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Flüh	01.10.2008 - 31.12.2008	7.500,00
4	CLUSTER - PI Devey /46	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Devey	01.10.2008 - 31.12.2008	7.500,00
5	CLUSTER - PI Hoernle /50	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Hoernle	01.10.2008 - 31.12.2008	7.500,00
6	CLUSTER - ROV /04.1	ROV - Engineer (D1067)	DFG	Prof. Devey	01.10.2007 - 31.12.2008	85.000,00
7	CLUSTER- 2007/ 2CP07A46, /29 Model Macroalga	Submarine Hazards Junior Professor B4 (D1067)	DFG	Prof. Krastel	01.03.2008 - 30.10.2011	800.000,00
8	CLUSTER- Meeresboden-Ressourcen 1067/22	Meeresboden-Ressourcen, CLUSTER B3 Gruppe (D1067)	DFG	Prof. Rüpke	01.12.2007 - 30.11.2010	750.000,00
9	CLUSTER -PI Behrmann /44	Principal Investigator Mittel des Cluster of Excellence (D1067)	DFG	Prof. Behrmann	01.10.2008 - 31.12.2008	7.500,00
10	CLUSTER-2007/2 CP07A53 Iceflow /33	CLUSTER: Iceflow activity revealed from submarine morphology - mapping glacial-morphological manifestations of retreating ice-front (D1067)	DFG	Dr. Weinrebe	01.02.2008 - 31.03.2010	35.300,00
11	DE 572/22-3 Koordination	Koordinierungsarbeiten im Schwerpunktprogramm: Vom Mantel zum Ozean: Energie-, Stoff-, und Lebenszyklen an Spreizungsachsen (D1173)	DFG	Prof. Devey	01.12.2007 - 30.11.2009	1.117.611,00
12	De 572/25-1, MARGEO (TOPOC)	The geology and structure of the Mid-Atlantic Ridge near Ascension Island (D0973)	DFG	Prof. Devey	01.10.2005 - 31.01.2008	80.250,00
13	De 572/25-2, MARGEO 2	The geology and structure of the Mid-Atlantic Ridge near Ascension Island (D1164)	DFG	Prof. Devey	01.11.2007 - 31.10.2008	33.550,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
14	FI 147/18-3	Das Porcupine Becken als natürliches Labor zur Untersuchung der Symmetrie und der Entwicklung der Extensionstektonik bis hin zum kontinentalen Aufbrechen: Weitwinkelseismik und Kurstenstruktur (M61/2) (D1132)	DFG	Prof. Flüh	01.08.2007 - 31.07.2008	32.564,00
15	FR 947/12-1, Volcano Rift	Spannungsinteraktion zwischen Riftzonen und instabilen Flanken an Ozeaninsel-Vulkanen (D1171)	DFG	Dr. Freundt	01.12.2007 - 30.11.2009	95.466,00
16	FR947/11-1, Phreatoplinian eruptions	Phreatoplinianische Eruptionen: Vergleichende Fallstudien zur Herleitung ihrer Mechanismen (D1090)	DFG	Dr. Freundt	01.04.2007 - 28.03.2009	161.150,00
17	Gr 1964,7-2, M62-Charisma	Tiefenseismische Untersuchungen des Hotspot-Vulkanismus der Kapverden Schwell: Untersuchungen zur Mechanik und Isostasie der Lithospäre und Plumedynamik (D1043)	DFG	Dr. Grevemeyer	01.07.2006 - 30.06.2008	31.150,00
18	Gr 1964/11-1 HydroPlumb	Geophysical imaging of the deep seated pluming system feeding and controlling the Logatchev Hydrothermal vent field at the Mid-Atlantic Ridge near 15°N (D1165)	DFG	Dr. Grevemeyer	01.11.2007 - 31.10.2009	58.000,00
19	GR 1964/7-3	Tiefenseismische Untersuchungen des Hotspot-Vulkanismus der Kapverden Schwelle: Untersuchungen zur Mechanik und Isostasie der Lithosphäre und Plumedynamik (D1134)	DFG	Dr. Grevemeyer	01.08.2007 - 31.07.2008	29.400,00
20	Ha 2100/12-1, Fogo-Barometrie	Aufstieg von Magmen historischer Eruption auf Fogo (Kapverden): Implikationen für Ausbruchsdynamik und Vulkangefahren (D1093)	DFG	Dr. Hansteen	01.02.2007 - 31.01.2009	13.000,00
21	Ha 2586/14-2, THURAMAR	U-Th-Ra disequilibria in basalts from the Mid-Atlanti Ridge 6-11°S: Constraints on melting, mixing and time-scales of magmatic processes (D0983)	DFG	Dr. Hauff	01.01.2006 - 31.01.2008	140.600,00
22	HO 1833/15-3	Ursachen und Auswirkungen des Mamatismus im Bereich der Marie Byrd Seamounts (Amundsensmeer) (D1133)	DFG	Prof. Hoernle	01.08.2007 - 31.07.2008	38.150,00
23	HO 1833/16-1, Isotope Variation	U-Th-Pb, Nd and Hf isotopic investigation of a complete in situ section of upper oceanic crust formed at a superfast spreading ridge (IODP Siote 1256D) (D1033)	DFG	Prof. Hoernle	01.12.2006 - 30.11.2008	130.750,00
24	HO 1833/18-1, Ozeankruste Leg 106	Hoch-Präzisions Pb (double spike) and Sr-Nd-Hf-Isotopenvariation der oberen Ozeankruste des Leg 206 (Site 1256, östlicher Zentralpazifik) (D1223)	DFG	Prof. Hoernle	01.09.2008 - 31.08.2010	141.800,00
25	Je 296/2-1, HYDROPLUMB	Geophysical imaging of the deep seated pluming system feeding and controlling the Logatchev Hydrothermal vent field at the Mid-Atlantic Ridge near 15°N (D1162)	DFG	Dr. Jegen	01.11.2007 - 30.10.2009	31.000,00
26	KR 2222/7-1, Macedonia/Albania	Bündel-Antrag Ohrid See: Sedimentary and neotectonic history of Lake Ohrid (Macedonia/Albania): aquisition and interpretation of new geophysical and geological data (D1182)	DFG	Dr. Krastel	01.03.2008 - 28.02.2010	100.720,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
27	M62-4 Asterics-Auws. 2	Geophysical Studies near the Ascension Transform: Evolution of Ridge Segmentation and Crustal Structure (D0975)	DFG	Prof. Reston	01.04.2006 - 31.03.2008	170.500,00
28	Pe 1190/1-1 LOGDRILL - TOPIC	The third dimension fo the ultramafic-hosted Logatchev-1 (D0969)	DFG	Dr. Petersen, S.	01.07.2006 - 30.06.2008	151.100,00
29	Pe 1190/3-1, Palindrill	Flachbohrungen in Hydrothermalsystemen des Tyrrhenischen Meeres (M73/2) (D1141)	DFG	Dr. Petersen, S.	01.08.2007 - 31.01.2008	185.009,00
30	Pe1190/4-1, BIHYS	Biosignatures in precipitates and altered rocks at hydrothermal system of the Mid-Atlantic Ridge: organic geochemistry, microbiology and petrography (D1169)	DFG	Dr. Petersen, S.	01.11.2007 - 30.10.2009	3.238,00
31	Ra 925/2-1 West-Med	West-Med: Imaging the western mediterranean margins: a key target to understand the interaction between deep and shallow processes (D0702)	DFG	Dr. Ranero / Prof. Reston	01.03.2005 - 31.08.2008	58.700,00
32	RA 925/2-2 West Med	Imaging the western mediterranean margins: a key target to understand the interaction between deep and shallow processes (D1222)	DFG	Prof. Flüh	01.08.2008 - 31.07.2009	35.950,00
33	Schm 250/82-1	Analysis, impact, feedback and hazard aspects of flank collapses and Plinian eruptions of coupled volcana systems reflected in ODP Leg 157 cores. (D1028)	DFG	Prof. Schmincke	01.08.2006 - 31.07.2008	34.000,00
34	Schm 250/83-1, Lake Van	Environmental response to climatic and volcanic events in NE Anatolia during the last 20.000 years based on annually laminated sediments from Lake Van; Schwerpunktprogramm „Internationales Kontinentales Bohrprogramm (ICDP) (D1083)	DFG	Prof. Schmincke	01.02.2007 - 31.01.2009	104.600,00
35	TP A01	Darstellung von Tektonik, Fluidströmen und Hangstabilität durch multiskalige Kartiermethoden (D1214)	DFG-SFB574	Prof. Behrmann	01.07.2008 - 30.06.2012	371.500,00
36	TP A05	TP A05: Serpentinisierung in Subduktionszonen (D1214)	DFG-SFB574	Dr. Grevemeyer	01.07.2008 - 30.06.2012	340.900,00
37	TP A1	Submarine Morphologie als Abbild aktiver Kontinentalrand-Prozesse	DFG-SFB574	Prof. Reston / Dr. Weinrebe	01.01.2001 - 30.06.2008	596.128,00
38	TP A2	Wechselwirkungen und Transfer zwischen Ober- und Unterplatte	DFG-SFB574	Prof. Flüh / Rabbel	01.01.2001 - 30.06.2008	1.123.161,00
39	TP A5	Serpentinisierung in Subduktionszonen	DFG-SFB574	Prof. Flüh / Dr. Grevemeyer	01.07.2004 - 30.06.2008	309.700,00
40	TP B05	TP: B05 - Diagenetische Prozesse in Forearc Sedimenten und der Volatileintrag in Subduktionszonen Systeme: Akkumulation, Transport und Freisetzung von Volatilen (D1214)	DFG-SFB574	Dr. Hansteen	01.07.2008 - 30.06.2012	147.450,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
41	TP B2	Fluid-, Sediment- und Methanumsatz an konvergenten Plattenrändern: Die Rolle der Schlammdiapire und Schlammvulkane	DFG-SFB574	Prof. Reston	01.01.2002 - 30.06.2008	283.462,00
42	TP C02	TP C02: Zusammensetzung und Dynamik von Magmensystemen in Subduktionszonen: Magmenentstehung, zeitliche und räumliche Variationen (D1214)	DFG-SFB574	Prof. Hoernle	01.07.2008 - 30.06.2012	430.100,00
43	TP C04	TP C04 - Krustale Einflüsse auf das Volatilen-Inventar differenzierender Arc-Magmen und Konsequenzen für Vulkangefahren (D1214)	DFG-SFB574	Dr. Freundt	01.07.2008 - 30.06.2012	431.600,00
44	TP C05	TP C05. Modellierung von Klimaeffekten/Rückkopplungen und Subduktionsprozessen (D1214)	DFG-SFB574	Prof. Rüpke	01.07.2008 - 30.06.2012	126.870,00
45	TP C2	Zum Umsatz magmatischer Volatile und Fluide in Subduktionszonen: Untersuchung vulkanischer Gesteine und ihrer Schmelzeinschlüsse	DFG-SFB574	Prof. Hoernle	01.01.2001 - 30.06.2008	639.779,00
46	TP C4	Emissionen durch explosiven Vulkanismus an Subduktionszonen vom Pleistozän bis zur Gegenwart	DFG-SFB574	PD Dr. Freundt	01.01.2001 - 30.06.2008	597.484,00
47	TP N1 (Nachwuchsgruppe)	Nachwuchsgruppe	DFG-SFB574	Dr. Jegen	01.06.2005 - 30.06.2008	1.192.500,00
48	TP Z	Zentraler Service und Logistik	DFG-SFB574	Prof. Hoernle	01.07.2006 - 30.06.2008	642.800,00
49	TP Z01	TP Z01: Zentrale Aktivitäten und Logistik (D1214)	DFG-SFB574	Prof. Hoernle	01.07.2008 - 30.06.2012	1.155.700,00
50	03G0687A SUGAR TP A1.1	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: Submarine Gashydrat-Lagerstätten als Deponie für die CO ₂ -Sequestrierung; Vorhaben. Prospektion und Exploration von Gashydrat-Lagerstätten - Sonderprogramm GEOTECHNOLOGIEN (D1208)	BMBF	Dr. Weinrebe	01.05.2008 - 30.04.2011	356.423,00
51	03G0190A, SO 190 Sindbad	SO 190 - SINDBAD: Seismische und geoakustische Untersuchungen entlang des Übergangs vom Sunda zum Banda Becken (D1020)	BMBF	Prof. Kopp	01.09.2006 - 31.12.2008	345.450,00
52	03G0191A, SO 191-NEW VENTS	O 191 - NEW VENTS, -New Zealand Cold Vents - Geophysikalische, geochemische und biologische Untersuchungen an Cold Vents zu der Verbindung mit Gashydraten und des Einflusses auf locale, regionale und globale Methan- und Kohlenstoff-Kreisläufe (D1048)	BMBF	Dr. Bialas	01.10.2006 - 31.03.2009	391.104,00
53	03G0193A -SO 193 - MANIHIKI	SO 193 - MANIHIKI. Temporal, Spatial and Tectonic Evolution of Oceanic Plateaus (D1088)	BMBF	Prof. Hoernle	01.03.2007 - 30.06.2009	324.837,00
54	03G0195A - TOTAL	SO 195 TOTAL: Untersuchung zum seismischen Risikopotential verursacht durch Erdbeben in Subduktionszonen (D1100)	BMBF	Dr. Grevemeyer	01.04.2007 - 30.06.2010	407.808,00

Appendices

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
55	03G0199 A- SO 199 CHRISP	SO 199 CHRISP: Christmas Island Seamount Province and the Investigator Ridge: Age and Causes of Intraplate Volcanism and geodynamic Evolution of the South-Eastern Indian Ocean (D1197)	BMBF	Prof. Hoernle	01.05.2008 - 30.06.2010	274.959,00
56	03G0687A SUGAR TP2.1	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: s. Nr. 50	BMBF	Dr. Jegen	01.05.2008 - 30.04.2011	167.191,00
57	03G0687A SUGAR TP 2.1	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: s.o	BMBF	Dr. Bialas	01.05.2008 - 30.04.2011	1.177.017,00
58	03G0687A SUGAR TP Z	Verbundprojekt: SUGAR-Submarine Gashydrat-Ressourcen; SUGAR-A: s.o.	BMBF	Dr. Bialas	01.05.2008 - 30.04.2011	174.255,00
59	03G192C MANGO - SO 192	SO 192 - MANGO: Marine Geowissenschaftliche Untersuchungen zum In- und Output der Kermadec Subduktionszone (D1080)	BMBF	Prof. Kopp	01.01.2007 - 30.04.2009	237.086,00
60	Exupery	Verbundprojekt FW: EXUPERY; Vorhaben: Bnodenbasierte Gasfluss-Messungen-Sonderprogramm GEOTECHNOLOGIEN (D1105)	BMBF	Dr. Hansteen	01.07.2007 - 30.10.2010	33.900,00
61	KALMAR, TP3A	KALMAR - Kurile-Kamchatka an Aleuten Marginal Sea-Island Systems:TP3A: Vulkanische und magnetisch Entwicklung der Kamchatka-Aleuten-Triple-Junction in Raum und Zeit (D1064)	BMBF	Prof. Hoernle	01.10.2006 - 30.09.2009	212.246,00
62	NZL 08/028 Neuseeland	Internationale Zusammenarbeit in Bildung und Forschung mit Neuseeland: Kombinierte seismische Interpretation über das Raukumara Becken und die südliche Kermadec Subduktionszone (D1234)	BMBF	Dr. Scherwarth	01.09.2008 - 31.08.2010	3.426,00
63	SO 186 -SeaCause I & II	SO 186 - SeaCause I & II (D0966)	BMBF	Prof. Kopp	01.09.2005 - 30.09.2008	361.447,00
64	TEWS 03TSU01	Tsunami-Frühwarnsystem zur Finanzierung von Ocean-Bottom-Units (D0947)	BMBF	Prof. Flüh	01.04.2005 - 31.03.2010	4.325.288,53
65	GO	Geophysical Oceanography - a new tool to understand the thermal structure and dynamics of oceans (D0982)	EU	Prof. Reston	01.01.2006 - 31.12.2008	265.340,00
66	NOVAC (18354 GOCE)	Network for Observation of Volcanic and Atmospheric Change Specific Target Research Project (D0998)	EU	Dr. Hansteen	01.10.2005 - 30.09.2009	79.200,00
67	SALVADORE (Rita505322)	Seismic Analysis of the Lithosphere Via Advanced processing techniques and access to Deep Ocean Recorders during the Exploration (D0900)	EU	Prof. Flüh	01.01.2005 - 31.12.2008	682.666,00
68	THALES WAS RIGHT (029080)	Transients in the Hellenic and Antilles Loci of Earthquakes of European Subduction Water Activity Structure and Seismic Risk Illuminated by Geophysical High Technology (D1052)	EU	Prof. Flüh	15.05.2006 - 14.04.2009	333.000,00
69	GEUS, DK	Ausleihe von 25 OBS (D0832)	GEUS	Prof. Flüh	01.05.2004 - 31.12.2008	101.119,00

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
70	OBS Merian Cruise 09-3	OBS Merian Cruise 09-3, Ausleihe von 43 OBS für die Merian Fahrt 09-3 (D1212)	GEUS	Prof. Flüh	01.07.2008 - 31.12.2008	30.100,00
71	Neptune Minerals	Participation on Meteor Cruise M73/2 Mittel für Mob/DeMob (D1124)	Sonstige	Dr. Petersen, S.	01.08.2007 - 31.12.2008	32.250,00
72	NOC- SO 198	Bereitstellung von sechs „G-Gun clusters“ (D1195)	Sonstige	Prof. Flüh	01.04.2008 - 31.08.2008	110.000,00
73	OREGON	Ultra High Resolution 3D Seismic Surveying the Active Hydrate Ridge Vents to Complement Proposed Corking (D1198)	Sonstige	Prof. Berndt	01.04.2008 - 31.12.2008	38.636,44
74	PETROBAR-IPY	Ausleihe Ocean Bottom Seismometer in der Barents See, Norwegen (D1210)	Sonstige	Prof. Flüh	01.07.2008 -	80.000,00
						23.730.480,97

¹ Total Budget over the complete funding period

Projects - Central Facilities

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
1	CLUSTER OH Allgemein	CLUSTER Overhead Allgemein (D1082)	DFG	Prof. Herzig	01.01.2007 - 31.10.2011	906.750,00
2	DFG Programm-Pauschale	DFG Programmpauschale für Sachbeihilfen 20 % (D1180)	DFG	Prof. Herzig	01.01.2008 -	536.819,00
3	Schm 250/81-2, Sortino/Iblei	Internal and external forcing of submarine diatremes: a case study of a Miocene volcanic field in Sicily (D1118)	DFG	Prof. Schmincke	01.07.2007 - 30.06.2008	47.315,00
4	Schm 250/84-1, Impact of volcanic climate forcing	Impact of volcanic climate perturbation caused by Laacher See eruption onto the proximal environment and terminal eruptive mechanisms (D1183)	DFG	Prof. Schmincke	01.03.2008 - 28.02.2009	19.990,00
5	CHN 06/14 Masterstudiengang 3 Folgeantrag	Durchführung eines gemeinsamen Masterstudienganges Meereswissenschaften unter Beteiligung der Universitäten Kiel und Bremen in Deutschland und der Ocean University of China, Qingdao (D1051)	BMBF	Prof. Herzig	01.10.2006 - 30.09.2009	331.154,00
6	KDM/TEWS 03TSU01	Tsunami-Frühwarnsystem zur Finanzierung von Ocean-Bottom-Units (D0990)	BMBF	Prof. Herzig	01.04.2005 - 31.12.2008	533.938,00
7	JIBA -Energieprojekt	Integration of FTG and reflecton seismic data in exissting joint in-versin algorithm tomography, gravity and MT data (D1137)	IPP	Dr. Jegen	01.01.2008 - 31.01.2011	741.900,00
8	Clathrat	Erdgasgewinnung aus natürlichen Gashydraten durch CO ₂ -Injektion in marine Sedimente (D1161)	RWE-DEA Clathrat	Dr. Haeckel	01.10.2007 - 31.12.2010	1.075.000,00
9	WND - Overhead	Energieprojekt - West Nil Delta Overhead/Management (D1102)	RWE-DEA WND	Dr. Brückmann	01.01.2007 - 31.12.2010	290.000,00
10	WND - Overhead	WND- West Nil Delta (D1102)	RWE-DEA WND	Dr. Brückmann	01.01.2007 - 31.12.2010	5.693.000,00
11	Fluid- und Gasautritte in der SDNS	Fluid- und Gasaustritte am Meeresboden der Südlichen Deutschen Nordsee (SDNS) (D1150)	Wintershall SDNS	Dr. Linke	01.10.2007 - 30.09.2010	2.631.000,00
12	Fluid- und Gasautritte in der SDNS OV Linke	Fluid- und Gasaustritte am Meeresboden der Südlichen Deutschen Nordsee (SDNS) (D1150)	Wintershall SDNS	Dr. Linke	01.10.2007 - 30.09.2010	248.100,00
13	TIMBA	Towards the integration of multidisciplinary geophysical data in a shelf area - the Büsum-Nord area as an example (D1170)	Wintershall TIMBA	Dr. Jegen	01.11.2007 - 31.10.2010	2.896.400,00
14	Energieprojekte OV Herzig	Energieprojekte Overhead Prof. Herzig (D1178)	Sonstige Industrie	Prof. Herzig	01.10.2007 - 31.12.2010	741.000,14

No.	Shorttitle/Framework	Research theme	Funding Agency	Lead PI	Funding period	Budget ¹ (EUR)
15	Fokoop. Mexico 3.4Fookoop-DEU/1025202	Unterstützung der Institutspartnerschaft mit Prof. Siebe, Instituto Geofisica, Universidad Nacional Autonoma de Mexico, Coyoacan, Mexico (D1116)	AvH	Prof. Schmincke	01.07.2007 - 30.06.2010	48.550,00
16	JAGO	Einnahmen aus Vercharterung JAGO (D1021)	JAGO	Dr. Hissmann	01.07.2006 - 31.12.2049	198.000,00
17	Allgem. Forschungstätigkeiten	(D0996)	Sonstige	Prof. Herzig	01.01.2006 - 31.12.2049	12.000,00
18	CHN 06/14 Masterstudiengang	Durchführung eines gemeinsamen Masterstudienganges Meereswissenschaften unter Beteiligung der Universitäten Kiel und Bremen in Deutschland und der Ocean University of China, Qingdao (D1051)	Sonstige	Prof. Herzig	01.10.2007 - 31.08.2008	15.070,00
						16.965.986,14

¹ Total Budget over the complete funding period

4. Ship Statistics & Expeditions

Table 4.1: Partners on IFM-GEOMAR research vessels, 2004-2008.

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 the University of Kiel, CAU; days for mobilization and demobilization included in total ship days; maintenance and shipyard separately

Ship	User	Days used				
		2004	2005	2006	2007	2008
"POSEIDON"	IFM-GEOMAR	95	88	14	68	35
	University of Kiel, CAU	0	0	0	0	11
	Pool partners	21	45	114	122	104
	National partners	59	25	35	0	59
	Barter cruises	59	23	82	11	0
	Charter days at sea	40	50	37	20	19
	Student courses CAU					10
	Transfer cruises	20	28	16	36	31
	Mob/demob				35	34
	Total ship days	294	259	298	292	305
„ALKOR"	Maintenance				56	54
	Days off				17	9
	IFM-GEOMAR	80	96	142	95	152
	University of Kiel, CAU	18	1	16	0	0
	Pool partners	57	61	17	56	64
	National partners	0	0	0	0	10
	Barter cruises	22	0	0	0	0
	Charter days at sea	15	39	37	48	23
	Student courses CAU	33	44	52	36	20
	Transfer cruises	2	4	3	4	2
Total ship days	Mob/demob				33	40
	Total ship days	227	245	267	269	311
	Maintenance				59	36
	Days off				34	19

Ship	User	Days used				
		2004	2005	2006	2007	2008
"LITTORINA"	IFM-GEOMAR	60	55	30	23	91
	University of Kiel, CAU	96	89	96	63	57
	Pool partners	0	0	3	0	0
	National partners	3	9	0	0	0
	Barter cruises	20	8	9	8	9
	Charter days	0	0	0	0	0
	Student courses CAU	17	12	15	14	34
	Mob/demob				9	22
	Total ship days	196	173	153	117	213
	Maintenance				37	38
„POLARFUCHS"	Days off				211	115
	IFM-GEOMAR	102	123	114	182	156
	University of Kiel	20	0	13	15	12
	Pool partners	0	0	15	4	0
	National partners	3	2	0	5	9
	Barter cruises	0	1	0	0	3
	Charter days	2	0	0	0	0
	Student courses CAU	5	0	0	5	5
	Total ship days	132	126	142	211	185
Total ship days	Maintenance				22	63
	Days off				132	118

Table 4.2: Major Ship Expeditions 2008

Date	Vessel	Area	Project	PI
03.01. - 20.01.	ALKOR	Englischer Kanal	ICES, Fischlarven	J. Schmidt
06.01. - 01.02	I'ATALANTE	Mittelatlantischer Rücken, 5°S	SPP1144, ROV Kiel 6000	Devey
08.01. - 15.02.	SONNE	Zentraler Pazifik	TOTAL	Flueh / Grevemeyer
03.02. - 20.02.	I'ATALANTE	Nordostatlantik	SOPRAN	Körtzinger
09.02. - 25.02.	POSEIDON	Nildelta	WND	Brückmann
22.02. - 16.03.	I'ATALANTE	Tropischer Atlantik	ATLANTIK	Brandt
03.03. - 25.03.	J COOK	Ostpazifik vor Chile	SFB574	Flueh
06.03. - 24.03.	ALKOR	Norwegische Fjorde	Kaltwasserkorallen, JAGO	Riebesell
27.03. - 18.04.	J COOK	Ostpazifik vor Chile	SFB574	Bialas
12.04. - 24.04.	ALKOR	westliche Ostsee	RESTOCK, Fischerei	Hinrichsen
18.04. - 20.05.	POLARSTERN	Süd- u. Nordatlantik	OCEANET	Macke
18.04. - 03.05.	MERIAN	subtrop. Ostatlantik	SFB754, Tracer	Visbeck
31.05. - 11.06.	ALKOR	westliche Ostsee	RESTOCK, Fischerei	Schaber
04.07. - 27.07.	ALKOR	zentrale Ostsee	SOPRAN, Mesokosmen	Riebesell
25.07. - 04.08.	POSEIDON	Zentrale Ostsee	SFB754, techn. Tests	Pfannkuche
02.08. - 22.09.	SONNE	westl. Pazifik	CHRISP	Hoernle
15.08. - 28.08.	ALKOR	westliche Ostsee	RESTOCK, Fischerei	Haslob
06.09. - 23.09.	ALKOR	Nordsee	ICES, Fischlarven	J. Schmidt
08.10. - 30.10.	ALKOR	Nordsee	SDNS	Linke
22.10. - 21.11.	METEOR	Ostpazifik vor Chile	SFB754	Pfannkuche
10.11. - 03.12.	POSEIDON	Kanarenbecken	Test AUV	Devey / Grevemeyer
01.11. - 06.12.	MERIAN	subtrop. Ostatlantik	SFB754, Tracer	Visbeck
27.12. - 24.01.09	METEOR	Östl. subtr. Pazifik	SFB754	Frank

Appendices

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
POLARSTERN	0	24	32
METEOR	96	33	39
SONNE	51	140	93
MERIAN plan / conducted	80/80	104/32	80 / 51
Barter Ships	0	40	60
Charter Ships plan / conducted	0	0 / 30	0 / 71
Sum	227	341 / 299	304 / 346

5. Publications

5.1 Books (Authorship) (2)

Rausch, J. and **Schmincke, H.-U.**, 2008: Nejapa Tephra: The youngest (ca. 1 ka BP) highly explosive hydroclastic basaltic eruption in western Managua (Nicaragua). Shaker, Aachen, 85 pp.
Schmincke, H.-U., 2008: Eifelvulkane: Aufbau, Entstehung und heutige Bedeutung. Görres, Koblenz, 185 pp.

5.2 Books (Editorship) (0)

5.3 Book Contributions (22)

Alpers, W., **Brandt, P.** and Rubino, A., 2008: Internal Waves Generated in the Straits of Gibraltar and Messina: Observations from Space. In: Barale, V. and Gade, M. (Eds.): Remote Sensing of the European Seas, Springer, Berlin, 319-330.
Bahr, A., Bohrmann, G. and Teichert, B.M.A., 2008: Data report: bulk mineralogical composition of Cascadia margin sediments, IODP Expedition 311. In: Riedel, M., Collett, T.S. and Malone, M.J. (Eds.): Cascadia Margin Gas Hydrates, Integrated Ocean Drilling Program Management International, Washington, DC, Proceedings of the Integrated Ocean Drilling Program, 311, 14 pp. doi:10.2204/iodp.proc.311.201.2008
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Hieronymi, M., 2008: Hydroelastische Analyse vertikal schwingender Offshore-Tauchsysteme für die Tiefsee. In: Jahrbuch der Schiffbautechnischen Gesellschaft e.V. (STG), 101, Springer, Berlin, 1-10.
Imhoff, J.F., 2008: Systematics of anoxygenic phototrophic bacteria. In: Hell, R., Dahl, C., Knaff, D.B. and Leustek, T. (Eds.): Advances in Photosynthesis and Respiration: Sulfur Metabolism in

Phototrophic Organisms, 27, Springer, Heidelberg, 269-287.
Kim, O.-S., Junier, P., **Imhoff, J.F.** and Witzel, K.-P., 2008: Comparative analysis of ammonia monooxygenase (amoA) genes in the water column and sediment-water interface of two lakes and the Baltic Sea. *Fems Microbiology Ecology*, **66**, 367-378.
 Kimura, G., **Kitamura, Y.**, Yamaguchi, T. and Raimbourg, H., 2008: Links among mountain building, surface erosion, and growth of accretionary prism in a subduction zone - an example from Southwest Japan. In: Draut, A.E., Clift, P.D. and Scholl, D.W. (Eds.): Formation and Applications of the Sedimentary Record in Arc Collision Zones, Geological Society of America, Boulder, Colorado, USA, Special Paper, Geological Society of America, 436, 403 pp.
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Thomsen, J., 2008: Ion and acid-base regulation in marine invertebrates in response to altered carbonate system parameters. Diplomarbeit, 76 pp.

Wassmann, A., 2008: Mikrowellenradiometrie auf See. Diplomarbeit, 107 pp.

Wiebe, P., 2008: The response of *Emiliana huxleyi* to ocean acidification and ocean warming. Diplomarbeit, 57 pp.

Wuttig, K., 2008: Electrochemical and spectrochemical investigations into the determination of Niobium and Zirconium complexes in seawater. Diplomarbeit, 121 pp.

Zenthöfer, M., 2008: Einfluss verschiedener Stimulationsbedingungen auf das Spektrum an Sekundärmetaboliten mariner Wirkstoffproduzenten. Diplomarbeit, 118 pp.

Zoll, Y., 2008: Bestimmung des Flüssigwasserpfadens aus Mikrowellenradiometer- und Wolkenkammermessungen. Diplomarbeit, 97 pp.

External Diploma / BSc Theses (5)

Gilbert, D., 2008: Geochemical stratigraphy and magmatic evolution of the Apoyo Caldera, Nicaragua. Diplomarbeit, Universität, Stuttgart, 124 + Appendix pp.

Hammann, M., 2008: Impact of the invasive red alga *Gracilaria vermiculophylla*

upon native *Fucus* communities in the Baltic Sea. Diplomarbeit, Leuphana Universität, Lüneburg, 22 pp.

Kujau, A., 2008: The terrigenous Mississippi River discharge into the northeastern Gulf of Mexico over the last ~560.000 years - indications from X-ray fluorescence core-scanning data. Diplomarbeit, Universität, Osnabrück [u.a.], 78 pp.

Ockert, C., 2008: Variability of Sulfur Isotopes of Hydrothermal Sulfides and Sulfates of slow and intermediate spreading ridges. Masterarbeit, Westfälische Wilhelms-Universität Münster, 191 pp.

Zindler, C., 2008: A field study of the DMS/DMSP distribution in the Mauritanian upwelling and lab experiments on the influence of changing CO₂ and UV light on DMS/DMSP production in algal cultures. Studienarbeit, Biological Institute, University of Southern Denmark, Odense, Denmark, 74 pp.

6. Scientific & Public Presentations

6.1 Invited Presentations (90)

Bange, H.: Nitrous oxide and methane in coastal areas, Keynote lecture. EGU General Assembly, Vienna, Austria, 18.04.2008.

Bauch, H.: Marine records of Glacial-Interglacial change from the Arctic periphery. GEOTOP, Université du Québec à Montréal, Montréal, Québec, Canada, 28.01.2008.

Bauch, H.: North Siberian shelf records: implications for changes in Arctic sea level, river runoff and submarine permafrost since the last glacial. COAS, University of Corvallis, Corvallis, Oregon, USA, 01.12.2008.

Bauch, H.: Records of paleoenvironmental change from the Arctic periphery. Jacobs University, Bremen, 07.02.2008.

Behrmann, J.H.: "Sedimente als Speicherchips" für Geoprosesse an aktiven Plattenrändern. University of Tübingen, Tübingen, 20.12.2008.

Biastoch, A., Böning, C.W. and Scheinert, M.: The Agulhas System as a Key Region of the Global Oceanic Circulation. NEC/HLRS Teraflopp Workshop, Tohoku University, Sendai, Japan, 13.11.2008.

Biastoch, A., Böning, C.W., Scheinert, M. and Lutjeharms, J.: The Agulhas System as a Key Region of the Global Oceanic Circulation. 11th HLRS Results and Review Workshop, Stuttgart, 29.09.2008.

Dengler, M.: Folgen des Klimawandels für Europa - Reißt der Golfstrom ab? Deutsch-französisches Seminar „Klimawandel" des Lehrstuhls Wissenschaftsjournalismus der TU-Dortmund, Universität Dortmund, Dortmund, 0.10.2008.

Dengler, M.: Mixing Processes in the eastern upwelling region of the tropical Atlantic. Symposium "Highlights in Physical Oceanography", Universität Bremen, Bremen, 15.02.2008.

Dengler, M.: Verändert sich die großräumige Zirkulation im Atlantischen Ozean?, Studentische Meteorologische Tagung StMeTa08, Kiel, 01.05.2008.

Dommenget, D.: A Null Hypothesis for Large-Scale Atmospheric Circulation Modes. Monte Verita workshop on "Variability of the Global Atmospheric Circulation during the Past 100 Years", Monte Verita, Switzerland, 16.07.2008.

Duggen, S.: Stabile und radiogene Isotope im globalen Wandel der Ozeane im Miozän und Pliozän. Symposium, Fachbereich 5, Geowissenschaften der Universität Bremen, Bremen, 09.07.2008.

Duggen, S.: Were mantle processes responsible for the desiccation of the Mediterranean Sea ca. 6 million years ago? Deep Crust and Mantle Dynamics Group Seminar College, A&M University, College Station, Texas, USA, 19.09.2008.

Duggen, S.: Why the Mediterranean Sea ran dry ca. 6 million years ago: the role of mantle processes for the causes of the Messinian Salinity Crisis. Dpt. die Geodinamica Seminar, University of Granada, Granada, Spain, 25.01.2008.

Eisenhauer, A., Boehm, F., Fietzke, J., Liebetrau, V., Amini, M., Kisakurek, B., Heuser, A., Tang, J., and Dietzel, M.: The application of natural divalent cation isotope (Ca, Sr, Mg) fractionation (DCIF) in earth system research. Goldschmidt Conference 2008, Vancouver, Canada, 14.07.2008.

Fischer, J., Visbeck, M., Zantopp, R., and Dengler, M.: Observing decadal variability of outflow from the Labrador Sea. Information Exchange and Coordination Workshop for "Ocean Climate Variability in the Labrador Sea and Larger-Scale Linkages". Bedford Institute of Oceanography, Halifax, Canada, 10.11.2008.

Freundt, A.: Volcano hazards in Central Ameri-

ca. Geol.Vereinigung, Aachen, 30.09.2008.

Frommel, A.: Hypercapnic stress in early life stages of the squid *Loligo vulgaris*. Second Symposium on the Ocean in a High CO₂ World, Monaco, 05.-09.10.2008.

Haeckel, M.: Gas hydrates in the marine environment - from cold seeps to marine CCS. Frontier of Sciences Colloquium, TU München, München, 08.02.2008.

Haeckel, M.: Gas hydrates: potentials for energy production and CO₂ storage. VDI, Erlangen, 27.11.2008.

Hansteen, T.: Magma flux rates through the Central American Volcanic Arc (CAVA) estimated from regional SO₂ fluxes at quiescently degassing volcanoes, IAVCEI Reykjavik, Island, 20.08.2008

Hoernle, K.: Scientific Highlights from the Central American Subduction System, University Lausanne, Schweiz, 28.01.2008.

Hoernle, K.: The Central American Subduction System, Ocean University Qingdao, China, 04.03.2008

Hoernle, K.: The Manihiki and Hikurangi Oceanic Plateaus: Witnesses of the largest Phanerozoic Volcanic Event on Earth, JAMSTEC, Japan, 13.03.2008.

Hoernle, K.: The Central American Subduction System: Scientific Highlights of Collaborative Research Center SFB 574, JAMSTEC, Japan, 13.03.2008.

Hoernle, K.: The Manihiki and Hikurangi Oceanic Plateaus: Witnesses of the largest Phanerozoic Volcanic Event on Earth, JAMSTEC, Japan, 13.03.2008.

Hoernle, K.: The Central American Subduction System: Scientific Highlights of Collaborative Research Center SFB 574, JAMSTEC, Japan, 13.03.2008.

Hoernle, K.: A similar evolution for the Hikurangi, Manihiki and Ontong Java Plateaus: A single but long-lasting event?, Rutgers University, USA, 28.04.2008.

Hoernle, K.: Scientific Highlights of Collaborative Research Center (SFB 574) from the Central American Subduction System, Rutgers University, USA, 30.04.2008.

Hoppe, H.G., Breithaupt, P. and Gocke, K.: Responses of microbes to environmental change: What to study and how to study? International Symposium - Current issues and perspectives in Aquatic Microbiology, University of Warsaw, Warsaw, Poland, 29.05.2008.

Imhoff, J.F.: Biomining the treasure of the ocean - new natural products. VAAM International Workshop „Biology and Chemistry of Antibiotic-Producing Bacteria“, Technische Universität Berlin, Berlin, 28.09.2008.

Imhoff, J.F.: Das Meer als Schatztruhe für neue Wirkstoffe. Let Life Sciences meet you. Bundesweites Netzwerk von Studenten und Doktoranden der Life Sciences, Universität Lübeck, Lübeck, 21.05.2008.

Imhoff, J.F.: Marine biotechnology and research of active substances. Seminar Auditorium Facultad de Recursos del Mar, Universidad de Antofagasta, Antofagasta, Chile, 20.11.2008.

Imhoff, J.F.: Marine Wirkstoffe. Fachschaftstagung der Fachschaft Chemie-Biologie „Schatztruhe Ozean“, Historisch-Ökologische Cusanuswerk Bildungsstätte, Papenburg, 01.05.2008.

Imhoff, J.F.: Meeresorganismen als Fundgrube neuer Wirkstoffe. IHK Nord - Biotechnologiekonferenz, Schloss Fleesensee / Neubrandenburg, 10.04.2008.

Imhoff, J.F.: Neue Medikamente aus dem Meer. Föhrde-Club zu Kiel, Kiel, 16.10.2008.

Imhoff, J.F., Labes, A., Kajahn, I., Krämer, M., Stöhr, R., Thiel, V. and Wiese, J.: Marine biotechnology: bio-mining the treasures of the ocean. European Bioprospectives, Hannover,

07.10.2008.

Kajahn, I. and Imhoff, J.F.: Das Meer als Schatztruhe neuer Wirkstoffe. 25. Chrom-Forum, Burgsteinfurt, 10.09.2008.

Kopp, H.: Marine Geophysical Investigations of a Subduction System: Tectonic and Geodynamic Evolution of the Sunda-Banda margin, Indonesia. Kolloquium, Universität Freiburg, Freiburg, 10.02.2008.

Koppers, A.A., Class, C., Sager, W.W. and **Hoernle, K.:** On the Walvis Ridge hotspot life-cycle: flood basalt to robust aseismic ridge to low-volume intra-plate volcanism. AGU Fall Meeting, San Francisco, California, USA, 14.12.-19.12.2008.

Körtzinger, A.: CO₂ Sequestration I: What is the (natural) oceanic sequestration potential? Bi-annual Symposium "Future Ocean", Kiel, 09.10.2008.

Körtzinger, A.: Measuring surface ocean CO₂ partial pressure from autonomous platforms. AquaLife 2008 Workshop, IFM-GEOMAR, Kiel, 02.07.2008.

Körtzinger, A.: Observing the changing marine carbon cycle. Biogeochemical Seminar of the CLISAP Excellence Cluster, ZMAW, Hamburg, 19.12.2008.

Körtzinger, A.: Oceanic oxygen depletion and Eastern Boundary Upwelling Ecosystems - are we bound for trouble? 1. South African SOLAS/IMBER International Science Meeting, Cape Town, South Africa, 09.05.2008.

Labes, A., Staufenberger, T. and Imhoff, J.F.: Novel glycoside hydrolases for biotechnological application from marine resources. BioCat2008-Tagung, Hamburg, 03.08.2008.

LaRoche, J.: Bioassay, batch cultures and chemostat. UNESCO-IOC-EPOCA workshop on Best Practices in Ocean Acidification Research and Data Reporting, Kiel, 19.-21.11.2008.

Latif, M.: The climate of the 20th and 21st century. Digital Earth Summit on Geoinformatics:

Tools for Global Change Research, Potsdam, 12.11.2008.

Melzner, F.: Cephalopod vs. fish early life history: life in the fast lane. Annual Larval Fish Conference, IFM-GEOMAR, Kiel, 04.-07.08.2008.

Melzner, F.: Pre-adaptation to future ocean acidification: What distinguishes the tolerant from the more sensitive species? University of Montpellier, Montpellier, France, 04.11.2008.

Melzner, F.: Cephalopod vs. fish early life history: life in the fast lane. Annual Larval Fish Conference (ALFC), Kiel, 04.-07.08.2008.

Melzner, F.: Pre-adaptation to future ocean acidification: What distinguishes the tolerant from the more sensitive species? University of Montpellier, France, 04.11.2008.

Petersen, S.: Modern Seafloor Massive Sulfide Deposits: Distribution, Types of Deposits and Origin, Deep Sea Mineral Mining-Tagung, Aachen, 12.03.2008.

Petersen, S.: Modern Seafloor Massive Sulfide Deposits: Distribution, Types of Deposits and Origin, DSMM Tagung, Aachen, 14.03.2008.

Petersen, S.: Drilling of shallow water hydrothermal systems in the Aeolian Arc, Italy: The role of magmatic volatiles, 33 IGC Oslo, Norway, 08.08.2008.

Portnyagin, M., Almeev, R., Matveev, S., Mironov, N.L. and Holtz, F.: Experimental and natural evidence for rapid water exchange between melt inclusions in olivine and host magma. AGU Fall Meeting, San Francisco, California, USA, 14.12.-19.12.2008.

Portnyagin, M., Storm, S., Hoernle, K. and van den Bogaard, C.: Water-rich Icelandic magmas. IAVCEI General Assembly, Reykjavik, Iceland, 18.08.-25.08.2008.

Riebesell, U.: Impacts of ocean change on primary producers. 2nd IGBP/UNESCO-IOC/SCOR Symposium The Ocean in a High CO₂ World, Monaco, 06.-09.10.2008.

Riebesell, U.: Marine biota sensitivities to ocean

acidification: risks and uncertainties. American Association for the Advancement of Science (AAAS) Symposium, Boston, 14.-18.02.2008.

Riebesell, U.: Pelagic mesocosm experimentation. UNESCO-IOC-EPOCA workshop on Best Practices in Ocean Acidification Research and Data Reporting, Kiel, 19.-21.11.2008.

Rüpke, L.: Automated reconstructions of the thermal and structural evolution of the Gjallar Ridge, Norwegian Sea, Voetec Workshop, Stavanger, 12.03.2008.

Rüpke, L.: Automated reconstructions of the thermal and structural evolution of the Gjallar Ridge, Norwegian Sea, PGP, Oslo, Norway, 13.03.2008.

Rüpke, L.: Integrated basin modeling-linking lithosphere and sedimentary basin processes, EGU Vienna, Austria, 16.04.2008.

Rüpke, L.: Automated thermo-tectono-stratigraphic basin reconstruction - Examples from the Norwegian Sea and North Sea, AAPG Annual Convention u. Exhibition, San Antonio, USA, 23.04.2008.

Scheinert, M.: North Atlantic Freshwater Variability and its relation on the meridional overturning circulation. DRAKKAR Summer Meeting, Brest, France, 26.09.2008.

Scheinert, M.: What caused the freshening of the subpolar North Atlantic during the last 40 years? 5th Meeting of the Scientific Advisory Board, IFM-GEOMAR, Kiel, 22.04.2008.

Scheinert, M., Böning, C.W. and Biastoch, A.: Mechanisms of changes in the subpolar freshwater budget: model results. EGU General Assembly, Vienna, Austria, 18.04.2008.

Schepanski, K.: Characterization of dust source activation from satellite remote sensing. 3rd International Workshop on Mineral Dust, Leipzig, 15.09.2008.

Sommer, S. and Pfannkuche, O.: Gas-exchange system for extended in situ benthic chamber flux measurements under control-

led oxygen conditions. University of Gothenburg, Marine Chemistry, Gothenburg, Sweden, 14.02.2008.

Spielhagen, R.: Quaternary history of the Eurasian Arctic Ocean from sediment cores. IODP Arctic Drilling Planning Meeting, Bremerhaven, 03.-05.11.2008.

Steinhoff, T., Körtzinger, A., Schroeder, F., Petersen, W. and Hoppema, M.: Inter-comparison of pCO₂ instruments - classical versus new methods. FerryBox and Ship of Opportunity meeting, Southampton, UK, 30.9.2008.

Timm, C.: The Origin of Intraplate Volcanism on Zealandia, EGU, Vienna, Austria, 17.04.2008.

van den Bogaard, C., Ponomareva, V.V. and Portnyagin, M.: Refining of fingerprints from Kamchatka volcanic arc tephtras. IAVCEI General Assembly, Reykjavik, Iceland, 18.08.-25.08.2008.

Visbeck, M.: The Future Ocean, Challenges and Perspectives. Cluster meeting Macromolecular Complexes, Mechthildshausen, 07.05.2008.

Visbeck, M.: Rapid-WATCH 2008-2014. RAPID end of programme event. Royal Society, London, UK, 26.06.2008.

Visbeck, M.: Climate Variability and Change in the Atlantic Sector. Ocean University, Qingdao, China, 28.07.2008.

Visbeck, M.: Global Ocean Sustained Observations: Past, Present and Future. Ocean University, Qingdao, China, 29.07.2008.

Visbeck, M.: Oxygen Minimum Zones in the tropical oceans. Ocean University, Qingdao, China, 30.07.2008.

Visbeck, M.: "The Future Ocean", a new integrated ocean research cluster in Kiel, Germany. Ocean University, Qingdao, China, 31.07.2008.

Visbeck, M.: Towards a Global Ocean Observing System: Technological Progress and Global Challenges. Summer School 09, Ocean University, Qingdao, China, 05.08.2008.

Visbeck, M.: Is the Atlantic MOC slowing? Re-

sults from moored observations in the North Atlantic. Washington University PCC Summer Institute at Friday Harbor, USA, 16.09.2008.

Visbeck, M.: Gebündelte Spitzenforschung - Erfahrungen aus dem Alltag eines Exzellenzclusters. Vortrag im Rahmen des Leibniz-Frühstücks, Berlin, 30.09.2008.

Visbeck, M.: From climate assessment to climate services. EMS Annual Meeting, European Conference on Applied Climatology, Amsterdam, The Netherlands, 01.10.2008.

Visbeck, M.: Ocean Variability: A physical oceanographer's perspective. SCOR's 50th Anniversary, WHOI, Woods Hole, USA, 20.10.2008.

Wallace, D.W.R.: Chemical Oceanography. BIOCAT Summer School, IFM-GEOMAR, Kiel, 15.09.2008.

Wallace, D.W.R.: Climate-Biogeochemistry Interactions in the Tropical Oceans. Institute of Biology, Syddansk Universitet, Odense, Denmark, 23.01.2008.

Wallace, D.W.R.: Detecting anthropogenic CO₂ in the Oceans. Summer School of the Zukunfts-kolleg, Konstanz, 14.07.2008.

Wallace, D.W.R.: Dust IN, Gases OUT; Air-Sea Biogeochemical Interactions in the Tropical Eastern North Atlantic. Eastern Boundary Upwelling Symposium, Las Palmas, Spain, 04.06.2008.

Wallace, D.W.R.: Ocean Chemical Tracers. Summer School of the Zukunfts-kolleg, Konstanz, 15.07.2008.

Wallace, D.W.R.: What is SOLAS? BIOCAT Summer School, IFM-GEOMAR, Kiel, 15.09.2008.

Wallmann, K.: CCS Vortrag. BSH, Hamburg, 27.05.2008.

Wallmann, K.: CCS Vortrag, Energie-Politische Gespräche, Kiel, 16.01.2008.

Wallmann, K.: CCS Vortrag. Wirtschaftsrat, Meldorf, 02.09.2008.

Wallmann, K.: CCS Vortrag. IfW Kiel, 04.03.2008.

Wallmann, K.: CCS Vortrag. IHK Kiel,

17.04.2008.

Wallmann, K.: CCS Vortrag. Kiel Earth Institute, Kiel, 28.10.2008.

Wallmann, K.: Submarine Silikatverwitterung, GES Conference, London, UK, 22.08.2008.

Wallmann, K.: SUGAR. BMBF Treffen, Stuttgart, 20.10.2008.

Wallmann, K.: Marine Gashydrate: Klima-Rückkopplungen und wirtschaftliche Nutzung. DMG Fürstenfeldbruck, 29.05.2008.

Wallmann, K.: Marine Gashydrate: Klima-Rückkopplungen und wirtschaftliche Nutzung. TU Berlin, 02.06.2008.

Wallmann, K.: Vortrag zu Kreide OAEs. 2nd Future Ocean Symposium, Kiel, 07.10.2008.

Wallmann, K.: Umweltrisiken von submarinen CO₂-Speichern. UBA, Berlin, 20.05.2008.

Wallmann, K.: Umweltrisiken von submarinen CO₂-Speichern. UBA, Berlin, 17.06.2008.

Wallmann, K.: SUGAR-Projekt. DGMK-Jahrestagung, Celle, 10.04.2008.

Wehrmann, Heidi: CO₂-turnover at the Central American subduction zone - insights from melt inclusions in mafic tephra, IAVCEI Reykjavik, Iceland, 22.08.2008.

6.2. Scientific Presentations (398)

Abegg, F., Kuhn, T., Lackschewitz, K., Pieper, M., Hinz, C., Huusmann, H., Meier, A. and Devey, C.W.: ROV Kiel 6000 on R.V. L'Atalante: experiences and results. Tagung Inmartech 08, IFREMER, Toulon, France, 08.10.2008.

Abegg, F. and Pieper, M.: Quest 5 and 7 LARS System. Tagung Inmartech 08, IFREMER, Toulon, France, 08.10.2008.

Amini, M., Eisenhauer, A., Holmden, C., Böhm, F., Hauff, F. and Jochum, K.P.: $\delta^{44/40}\text{Ca}$ variability in igneous rocks. Goldschmidt Conference, Vancouver, BC, Canada, 13.07.-18.07.2008.

Appelhans, Y., Lenz, M. and Wahl, M.: Partners wanted: The international research program GAME establishes a unique global network in marine benthic ecology. Benthic Ecology Meeting, Providence Rhode Island, USA, 11.04.2008.

Appelhans, Y., Medeiros, H.E., Perez da Gama, B.A., Lenz, M. and Wahl, M.: Metabolites for nothing and defense for free - the influence of low-light stress on defensive traits against Herbivory in four Brazilian Macroalgae. Benthic Ecology Meeting, Providence, Rhode Island, 11.04.2008.

Ashi, J., Lallemand, S., Kimura, G., Screatton, E., Kinoshita, M., Tobin, H., Masago, H., Moe, K.T., Curewitz, D., Kanamatsu, T., **Kitamura, Y.** and NanTroSEIZE Stage 1A Shipboard Scientists: Evolution of the accretionary prism and the forearc basin of the Nankai Trough off Kumano? Shipboard results of stratigraphy and age from NanTroSEIZE Stage 1A Expeditions. 115. Annual Meeting of the Geological Society of Japan, Akita, Japan, 20.09.-22.09.2008.

Ashi, J., Lallemand, S., Masago, H., **Kitamura, Y.** and IODP Expeditions 314/315/316 Scientists: Preliminary results of Mega-Splay Riser Pilot during IODP Expedition 315 in the central Nankai

Trough. Japan Geoscience Union Meeting 2008, Chiba, Japan, 25.05.-30.05.2008.

Avdeeva, A. and Avdeev, D.: 3D MT Inversion with a Limited-Memory QN Method. MT 3D Inversion Workshop, Dublin, Ireland, 12.-14.03.2008. Avdeev, D. and **Avdeeva, A.:** 3D MT inversion of the DIAS secret dataset. MT 3D Inversion Workshop, Dublin, Ireland, 12.-14.03.2008.

Bange, H.: Biogeochemical studies off Mauritania: First results from SOPRAN. RCOM/MARUM, Bremen, 23.01.2008.

Bange, H.: Nitrous oxide during Meteor74/1b. Meteor post cruise meeting, ZMAW, Hamburg, 02.10.2008.

Barckhausen, U., Gibbons, A., **Hoernle, K., Werner, R., Hauff, F. and Mueller, D.R.:** Seafloor spreading anomalies of the south-eastern Indian Ocean revisited. AGU Fall Meeting, San Francisco, California, USA, 14.12.-19.12.2008.

Bauch, H.: The potential of mollusk shells to reconstruct paleohydrological change at the North Eurasian margin. Otto Schmidt Laboratory for Polar and Marine Research, Annual Workshop, IFM-GEOMAR, Kiel, 25.02.-26.02.2008.

Bauch, H. and Kandiano, E.: Late Holocene water mass change in the Norwegian Sea caused by different ocean-atmosphere circulation patterns. AGU Fall Meeting, San Francisco, California, USA, 15.12.-19.12.2008.

Bauch, H., Kassens, H., Meyer, H., Polyakova, Y. and Rekant, P.: Pore water chemistry infers alteration of submarine permafrost since the last global sea-level rise. 2. APEX Workshop, Durham, UK, 01.04.-04.04.2008.

Bauch, H., Kassens, H., Meyer, H., Polyakova, Y. and Rekant, P.: Alteration of submarine permafrost at the North Siberian continental margin. EGU General Assembly, Vienna, Austria, 14.04.-18.04.2008.

Bauch, H., Kassens, H., Meyer, H., Polyakova, Y., Rekant, P. and Hoelemann, J.A.: Evidence for

the alteration of submarine permafrost at the northern Siberian continental margin since last glacial times. SCAR/IASC IPY Open Science Conference "Polar Research - Arctic and Antarctic Perspectives in the International Polar Year", St. Petersburg, Russia, 08.07.-11.07.2008.

Behrmann, J.H., Heberer, B., Roeser, G., Rahn, M. and Kopf, A.: Young sediments from the Southern Chile Trench: a record of active margin magmatism, tectonics, and paleoseismicity. 4. Alexander von Humboldt International Conference - The Andes: Challenge for Geosciences, Santiago de Chile, Chile, 24.11.-28.11.2008.

Behrmann, J.H., Roeser, G. and Kopf, A.: Did differences in composition and strength of subducted sediment define the rupture of the great 1960 Chile earthquake? 4. Alexander von Humboldt International Conference - The Andes: Challenge for Geosciences, Santiago de Chile, Chile, 24.11.-28.11.2008.

Biastoch, A.: Agulhas Leakage: Importance of Small-Scale Dynamics and Large-scale Impact. University of Cape Town, Cape Town, South Africa, 23.09.2008.

Biastoch, A.: Agulhas Leakage: Importance of Small-Scale Dynamics and Large-scale Impact. Kolloquium, IOW - Leibniz-Institut für Ostseeforschung, Warnemünde, 29.04.2008.

Biastoch, A.: Agulhas Leakage: Importance of Small-scale Dynamics and Large-scale Impact. Seminar Institute for Marine and Atmospheric Research Utrecht (IMAU, Utrecht, The Netherlands, 04.12.2008.

Biastoch, A., Lütjeharms, J.R.E., **Scheinert, M.**, **Böning, C.W.** and **Siedler, G.**: The Importance of Small-scale Dynamics on the Agulhas Leakage. Ocean Sciences Meeting, Orlando, FL, USA, 02.-07.03.2008.

Biescas, B., Ribodetti, A., Sallàres, V., Carbonell, R., **Papenberg, C.** and **Kläschen, D.**: Velocity model inversion from seismic reflection stacked data using the Very Fast Simulated Annealing

algorithm. ESF Seismic Oceanography Workshop 2008, Begur, Spain, 19.-21.11.2008.

Biermann, A., Engel, A., Sommer, U., **Riebesell, U.**: The combined effect of temperature and light on the cycling of organic matter during a phytoplankton bloom (spring 2008) – a mesocosm study. 5th AQUASHIFT Workshop (in the framework of the DGL Annual Meeting), Konstanz, 22.-26.09.2008.

Bigalke, N., Gust, G., Rehder, G. and Meyer, A.: Hydrodynamically constrained flux of in-situ generated methane hydrate dissolving into undersaturated seawater. 9. ICGMS, Bremen, 16.09.2008.

Bleich, M., **Melzner, F.**, **Hiebenthal, C.**, **Memmel, H.**, **Schulz, K.**, **Riebesell, U.**, **Wahl, M.**, **Sommer, F.**, **Sommer, U.**, **Form, A.**, **Piatkowski, U.**, **Hanel, R.**, Piepenburg, D., Spindler, M., **Eisenhauer, A.**, **Franke, A.**, Möller, V., Baumert, G.A. and **Clemmesen-Bockelmann, C.**: Kiel CO₂ manipulation experimental facility (KICO₂). Second Symposium on The Ocean in a High-CO₂ World, Monaco, 06.-09.10.2008.

Bluhm, K., **Croot, P.**, **Körtzinger, A.** and **Peeken, I.**: IODINE Speciation in the Mauritanian upwelling region. IGAC Conference, Annecy, France, 08.-12.09.2008.

Boettger-Schnack, R. and Machida, R.: Species identification of the microcopepod family Oncaeiidae in the Mediterranean Sea using morphological and molecular criteria. 10th International Conference on Copepoda, Pattaya, Thailand, 13.-19.07.2008.

Boettger-Schnack, R., Machida, R.: Species identification of the microcopepod family Oncaeiidae in the Mediterranean Sea using morphological and molecular criteria. 10th International Conference on Copepoda, Pattaya, Thailand, 13.-19.07.2008.

Böhm F., Rausch S., **Eisenhauer A.**, Bach W., and Klugel A.: Low temperature alteration carbonates in the ocean crust and their importance

for CO₂ uptake and the global Ca cycle. Goldschmidt Conference 2008, Vancouver, Canada, 13.-18.07.2008.

Böning, C.W., **Dispert, L.**, **Visbeck, M.**, Rintoul, S.R. and **Schwarzkopf, F.**: Antarctic Circumpolar Current response to recent climate change. Geophysical Fluid Dynamics Laboratory, Princeton, USA, 24.09.2008.

Böning, C.W., **Dispert, L.**, **Visbeck, M.**, Rintoul, S.R. and **Schwarzkopf, F.**: Multi-decadal warming and freshening of the ACC. International Symposium "Effects of Climate Change on the World's Oceans", Gijón, Spain, 20.05.2008.

Böning, C.W., **Dispert, L.**, **Visbeck, M.**, Rintoul, S.R. and **Schwarzkopf, F.**: Antarctic Circumpolar Current response to recent climate change. National Center for Atmospheric research, Boulder, USA, 06.10.2008.

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Spielhagen, R., Tripathi, A. and Mac Niocaill, C.: Evidence from Svalbard for cool episodes in Early Tertiary Arctic climate. AGU Fall Meeting 2008, San Francisco, USA, 15.-19.12.2008.

Staufenberger, T., Wiese, J., Thiel, V. and **Imhoff, J.F.**: Microbial communities of *Lammaria saccharina* observed in the North- and Baltic Sea. ISME12 - 12th International Symposium on Microbial Ecology, Cairns, Australia, 17.-22.08.2008.

Stegmann, S., Kopf, A., **Krastel-Gudegast, S.,** Spiess, V., Förster, A., Metzen, J. and Strozyk, F.: In situ cone penetrometer measurements identify excess pore pressure regimes in subbottom sediments: A further piece in the puzzle the Nice 1979 Airport Slide (French Rivera). EGU General Assembly, Vienna, Austria, 14.04.-18.04.2008.

Steinhoff, T., Körtzinger, A., Schroeder, F., Petersen, W. and Hoppema, M.: Inter-comparison of pCO₂ instruments - classical versus new methods. FerryBox and Ship of Opportunity meeting, Southampton, UK, 29.-30.09.2008.

Sticher, A., Bialas, J. and Reston, T.: ASTERICS (= Geophysical Studies near the Ascension Transform: Evolution of Ridge Segmentation and Crustal Structure) - Segment A-BV 3. EGU General Assembly, Vienna, Austria, 14.-18.04.2008.

Stumpp, M. and **Melzner, F.**: Effects of Ocean Acidification on Sea Urchin Larval Development. 18. Larval Echinoderm Conference, Woods Hole, USA, 23.-26.04.2008.

Stumpp, M., Trübenbach, K., Syré, S., Dupont, S. and **Melzner, F.**: Effects of Ocean Acidification on Growth and Metabolism of *Strongylocentrotus* spp. adults and larvae. 2. International Symposium on the Ocean in a High CO₂ World,

Monaco, 06.-09.10.2008.

Suess, E., Wallmann, K. and Haeckel, M.: CCS: Conventional and Innovative Offshore Options. 12th European Roundtable on Sustainable Consumption and Production (ERSCP2008), Berlin, 23.-25.09.2008.

Sutherland, R., Stagpoole, V., Uruski, C., Henrys, S.A., Field, B., Toulmin, S., Barker, D., Bannister, S., Davey, F., Kennedy, C., Bassett, D., Stern, T., **Scherwath, M., Flüh, E.R. and Kopp, H.:** Crustal erosion and accretion processes leading to forearc uplift of Raukumara Basin, Hikurangi-Kermadec subduction zone, northeastern New Zealand. AGU Fall Meeting, San Francisco, USA, 15.-19.12.2008.

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Thiel, V., Muscholl-Silberhorn, A. and **Imhoff, J.F.:** Antimicrobially active alphaproteobacteria associated with marine sponges - possible symbionts. VAAM-Jahrestagung, Verein Allgemeiner und Angewandter Mikrobiologen Deutschlands (VAAM), Frankfurt, 09.-11.03.2008.

Trampe, A.F., **Krastel-Gudegast, S.**, Spiess, V., Andren, T., Endler, R. and Harff, J.: The depositional quaternary history of Anholt Loch: Results of a high resolution seismic pre-site survey. International Geological Congress, Oslo, Norway, 06.98, 14.08.2008.

Treude, T.: Flow-Through: AOM in permeable coastal sediments off Santa Barbara, California. Workshop Anaerobic Oxidation of Methane, Aselake, 02.2008.

Treude, T.: Gas Hydrates and Seafloor Warming: Research within the Future Ocean Project in Kiel, Germany. Workshop Fiery Ice (Gashydrate), Bergen, Norway, 05.2008.

Ueberschär, B.: New on-line services from FishBase for angler communities with special focus on mobile devices applications. 5th WRFC World Recreational Fishing Conference "The Angler in the Environment", International Game Fish Association (IGFA), Dania Beach, Florida, U.S.A., 10.-14.11.2008.

Uenzelmann-Neben, G., **Kläschen, D.**, Krah-

mann, G., Reston, T. and **Visbeck, M.:** Seismic reflections within the water column south of South Africa: indications for the Agulhas Retroflexion. EGU General Assembly 2008, Vienna, Austria, 13.-18.04.2008.

Van Nieuwenhove, N. and Bauch, H.: Surface conditions and evolution of the Norwegian Sea during MIS 5e, based on dinoflagellate cyst assemblages. EGU General Assembly, Vienna, Austria, 13.04.-18.04.2008.

Vettriani, C., Voordeckers, J.W., Sievert, S.M. and **Hügler, M.:** Culture dependent and independent analyses of 16S rRNA and ATP citrate lyase genes: a comparison of microbial communities from different black smoker chimneys on the Mid-Atlantic Ridge. Ridge 2000 Meeting: Mantle to Microbe: Integrated Studies at Oceanic Spreading Centers, Portland, Oregon, USA, 25.-28.03.2008.

Völker, D., Kutterolf, S. and Wehrmann, H.: Comparative mass balance of volcanic edifices at the Southern Volcanic Zone of the Andes between 33°S and 46°S. 4th EGU Alexander von Humboldt International Conference - The Andes: Challenge for Geosciences, Santiago de Chile, Chile, 24.-28.11.2008.

Völker, D., Weinrebe, R.W. and Behrmann, J.H.: Mass wasting-related morphology of the Southern Central Chilean continental margin - quantitative comparison with other active margins. EGU General Assembly, Vienna, Austria, 14.04.-18.04.2008.

Völker, D., Weinrebe, R.W., Behrmann, J.H., Bialas, J. and Kläschen, D.: Mass Wasting Morphology at Convergent Margins: Relations Between Subduction Parameters and Surface Expressions - the Southern Central Chilean Continental Margin. AGU Fall Meeting, San Francisco, USA, 15.-19.12.2008.

Völker, D., Weinrebe, R.W., Behrmann, J.H., Bialas, J. and Kläschen, D.: Mass wasting as major agent of shaping the morphology of the

Southern Central Chilean continental margin. 4th EGU Alexander von Humboldt International Conference - The Andes: Challenge for Geosciences, Santiago de Chile, Chile, 24.-28.11.2008.

Vsemirnova, E., **Papenberg, C., Kläschen, D.** and Hobbs, R.: The Moving Water Quandary. Ocean Sciences Meeting, Orlando, Florida, USA, 02.-07.12.2008.

Wahl, S. and **Macke, A.**: Application of different 3d radiative flux parameterizations in the global atmospheric circulation model ECHAM 5. EGU General Assembly, Vienna, Austria, 15.-20.04.2008.

Wahl, S., Park, W., Latif, M. and **Macke, A.**: Tropical Atlantic Cloud Atmosphere Ocean Feedbacks in the Kiel Climate Model. 4. PAN-GCSS meeting on "Advances in Modeling and observing clouds and convection", Toulouse, France, 02.-06.06.2008.

Wahl, S., Park, W., Latif, M. and Richter, I.: Tropical Atlantic Ocean Feedbacks in the Kiel Climate Model. EGU General Assembly, Vienna, Austria, 13.-18.04.2008.

Wehrmann, H., Kutterolf, S., Hoernle, K., Freundt, A., Portnyagin, M. and **Heydolph, K.**: Continental subduction settings: reduced volatile transport of Cl and S to the surface? AGU Fall Meeting, San Francisco, California, USA, 14.12.-19.12.2008.

Weinrebe, R.W., Kujpers, A., **Klaucke, I., Fink, M.,** Jensen, J.B. and Mikkelsen, N.: High-resolution bathymetry of Disko Bay and Ilulissat Fjord, West-Greenland. AGU Fall Meeting, San Francisco, California, USA, 15.12.-19.12.2008.

Werner, K., Spielhagen, R., Brückmann, W., Hass, H.C. and Niessen, F.: Correlation of Sediment Cores with High Holocene Time Resolution from the Western Svalbard Margin. EGU General Assembly 2008, Vienna, Austria, 13.-18.04.2008.

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tion of Sediment Cores from the Western Svalbard Margin with High Holocene Time Resolution. SCAR/IASC IPY Open Science Conference 2008, St. Petersburg, Russia, 08.-11.07.2008.

Werner, R., Hoernle, K., Hauff, F., Heydolph, K., Barckhausen, U. and SO199 Scientific Party: R/V Sonne cruise SO199 CHRISP: new insights into the geodynamic history of northern Whar-ton Basin (South-East Indian Ocean). AGU Fall Meeting, San Francisco, California, USA, 14.12.-19.12.2008.

Wiese, J., Gärtner, A., Heindl, H., Kajahn, I., Krämer, M., Labes, A., Lang, G., Mitova, M., **Nagel, K., Schmaljohann, R., Schneemann, I., Stöhr, R., Thiel, V.,** Ju, Z. and **Imhoff, J.F.**: Marine Microbial Resources. 2. Bi-Annual Symposium "The Future Ocean", Kiel, 06.-09.10.2008.

Wiese, J., Gärtner, A., Heindl, H., Kajahn, I., Lang, G., Mitova, M., **Nagel, K., Schmaljohann, R., Schneemann, I.** and **Imhoff, J.F.**: Marine habitats - promising sources of novel microorganisms and new natural products with biotechnological applications. 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Natural Products with pharmaceutical, nutraceutical, cosmetic and agrochemical interest, Athens, Greece, 03.-08.08.2008.

Wiese, J., Gärtner, A., Heindl, H., Lang, G., Nagel, K., Schmaljohann, R. and **Imhoff, J.F.**: Marine habitats are promising sources of novel microorganisms and new natural products with biotechnological applications. Summer School "Microbial Secondary Metabolites: Genomes, Signals and Communities", Dubrovnik, Croatia, 24.08.-01.09.2008.

Wiese, J., Gärtner, A., Heindl, H., Mitova, M., **Nagel, K., Schmaljohann, R., Schneemann, I., Thiel, V.** and **Imhoff, J.F.**: New antibiotic producing bacteria from marine environments. VAAM-Workshop Biology of Bacteria Producing Natural Products, Technische Universität Berlin, Berlin, 29.09.-01.10.2008.

Winkelmann, D., Geissler, W., Stein, R. and Niessen, F.: Post-megaslide slope stability north of Svalbard, Arctic Ocean. AGU Fall Meeting, San Francisco, California, USA, 15.12.-19.12.2008.

Zindler, C. and **Bange, H.**: Dimethylsulfide (DMS) measurements during the SOPRAN cruise in the eastern tropical North Atlantic Ocean in February 2008: Preliminary results. 1. Annual SOPRAN Meeting, Warnemünde, 11.-12.03.2008.

Zöllner, E., Peeken, I., Yassaa, N. and **Körtzinger, A.**: Viral and bacterial dynamics in the Mauritanian upwelling area - interactions with trace gas emissions and biogeochemistry. IGAC Meeting, 07.-12.09.2008.

6.4. Public Lectures (101)

Bange, H.: Trace gases in the ocean. BIOCAT Summer School, Kiel, 16.09.2008.

Biastoch, A.: A Model Study of Agulhas Leakage: Mesoscale Variability and Large-Scale Implications. FB1-Seminar, IFM-GEOMAR, Kiel, 18.02.2008.

Clemmesen-Bockelmann, C.: Nahrungsuntersuchungen an Heringslarven (RNA/DNA). OSF-Kolloquium zum Thema „Untersuchungen an Heringslarven in der westlichen Ostsee“, Johann Heinrich von Thünen-Institut, Institut für Ostseefischerei, Rostock, 08.04.2008.

Clemmesen-Bockelmann, C.: Determination of nutritional condition and growth in larval fish. Kolloquium am Johann Heinrich von Thünen-Institut, Institut für Ostseefischerei Rostock, Rostock, 08.04.2008.

Dando, P.R., Mitchelson-Jacob, E.G., **Linke, P.** and Aliani, S.: Mapping hydrothermal sites and methane plume off Milos, Aegean Sea: a comparison of ship and aerial surveys. EGU General Assembl, Vienna, Austria, 14.-18.04.2008.

Dengg, J. and Cochoy, D.: Einmal Meeresforscher sein... Schülerprojekte in den Meereswissenschaften. Sommervorträge, Maasholm, 03.06.2008.

Devey, C.: Tiefseeforschung heute: Erschließen neuer Welten und neuen Wissens, Volkshochschule Zürich, Switzerland, 27.05.2008.

Devey, C.: Feuer und Wasser: Vulkane am Meeresboden, Gesellschaft für Erdkunde, Köln, 05.06.2008

Devey, C.: Vulkane am Meeresboden, Husum, 24.06.2008.

Dullo, W.-C.: Korallen und Schwämme im Zeugenstand: Wie war das Klima? Wohin geht es? Museum für Naturkunde, Berlin, 12.06.2008.

Froese, R.: Fisch kaputt: Ursachen der weltweiten Überfischung. ‚Children’s University‘, CAU, Kiel, 18.11.2008.

Kassens, H.: Klimawandel - welche Chancen haben wir? Kulturgemeinde Ennepetal e.V., Ennepetal, 17.10.2008.

Krüger, K.: Klimawandel - was ist das? Museum König, Bonn, 03.07.2008.

Latif, M.: Herausforderung Klimawandel – was wir jetzt tun müssen. Rudolf-Steiner-Waldorfschule, Wandsbek, 26.02.2008.

Latif, M.: Herausforderung Klimawandel. 29. Neujahrsempfang, Kreishandwerkerschaft Mittelholstein, Bad Segeberg, 02.02.2008.

Latif, M.: Herausforderung Klimawandel. Fellbacher Bank-Forum, Fellbach, 03.03.2008.

Latif, M.: Herausforderung Klimawandel.

Landesverbandstag des Dachdeckerverbands Schleswig-Holstein, Rendsburg, 26.09.2008.

Latif, M.: Herausforderung Klimawandel – was wir jetzt tun müssen. WK Hamburgische Wohnungskreditanstalt, Hamburg, 06.06.2008.

Latif, M.: Herausforderung Klimawandel. Bonner Akademischer Sommer, Bonn, 02.06.2008.

Latif, M.: Herausforderung Klimawandel. Arbeitstagung Verband norddeutscher Wohnungsunternehmen e.V., Lübeck-Travemünde, 22.09.2008.

Latif, M.: Herausforderung Klimawandel. Führungskräftetreffen der Kreissparkasse Esslingen-Nürtingen, Esslingen, 18.09.2008.

Latif, M.: Herausforderung Klimawandel. 8. AINS-Symposium anlässlich der Kieler Woche 2008, Universitätsklinik Kiel, Kiel, 27.06.2008.

Latif, M.: Herausforderung des Klimawandels. Jahresanfangstagung VGH Versicherungen RD Osnabrück, Osnabrück, 25.01.2008.

Latif, M.: Detecting the Anthropogenic Impact on Climate Change. Fifth Environmental Forum Magdeburg Daimler and UNEP, Magdeburg, 03.07.2008.

Latif, M.: Der menschliche Einfluss auf das Klima. Gymnasium, Schenefeld, 28.05.2008.

Latif, M.: Der Menschliche Einfluss auf das Klima. Tagung der Akademie des Deutschen Buch-

handels: Ökologische Nachhaltigkeit und Papier – Lösungsstrategien im Verlagswesen, München, 05.05.2008.

Latif, M.: Der Klimawandel und seine Folgen für Deutschland - Was bedeutet das für den Verkehrssektor? Vereinigung der Straßenbau- und Verkehrsingenieure in Hamburg e.V., Hamburg, 21.02.2008.

Latif, M.: Das Klima im Computer. Einweihungsfeier der HLRN II, Rechenzentrum Hannover, Hannover, 10.07.2008.

Latif, M.: Herausforderung Klimawandel. Waldtag Bayern 2008: Der Wald im Klimawandel – Opfer oder Retter?, Technische Universität München, Freising- Weihenstephan, 18.07.2008.

Latif, M.: Der globale Klimawandel. Vortrag im Rahmen der Reihe „Wege in eine nachhaltige Zukunft“, Deutsche Bank AG, Konstanz, 02.06.2008.

Latif, M.: Herausforderung Klimawandel. Lions Club Hamburg-Harburg, Hamburg, 20.02.2008.

Latif, M.: Das Klima des 20. und 21. Jahrhunderts. Einweihungsfeier der HLRN II, Zuse-Institut-Berlin (ZIB), Berlin, 03.07.2008.

Latif, M.: Bringen wir das Klima aus dem Takt? Gymnasium, Hittfeld, 27.08.2008.

Latif, M.: Herausforderung Klimawandel. Haftpflichtverband öffentlicher Verkehrsbetriebe, Kiel, 25.09.2008.

Latif, M.: Hitzerekord und Jahrhundertflut. Herausforderung Klimawandel. Was wir jetzt tun müssen? HDI-Gerling-Konzern, Schokoladen-Museum, Köln, 26.05.2008.

Latif, M.: Hurrikane, die göttlichen Winde. Schleswig-Holsteinische Universitäts-Gesellschaft, Eutin, 09.01.2008.

Latif, M.: Bringen wir das Klima aus dem Takt? Klima-Tag, Marien-Gymnasium, Werl, 29.04.2008.

Latif, M.: Hurrikane die göttlichen Winde. Schleswig-Holsteinische Universitäts-Gesellschaft, Glückstadt, 11.02.2008.

Latif, M.: Bringen wir das Klima aus dem Takt? Katholische Pfarrei St. Answer, Ratzeburg, 05.05.2008.

Latif, M.: Bringen wir das Klima aus dem Takt? Klima-Tag, Heinrich-Heine-Gymnasium, Dortmund, 29.04.2008.

Latif, M.: Internal versus external climate variability. A.M. Obukhov Institute of Atmospheric Physics, Russian Academy of Sciences, Moscow, Russia, 24.07.2008.

Latif, M.: Klimawandel: Fakt oder Fiktion? Drei-Königstreffen, Rotary Club Lübecker Bucht/Timmendorfer Strand, Timmendorfer Strand, 08.01.2008.

Latif, M.: Klimawandel und seine Gefahren - was können wir tun? Club von Lüneburg, IHK, Lüneburg, 05.02.2008.

Latif, M.: Klimawandel und Wetterextreme. Naturwissenschaftlicher Verein Schleswig-Holsteins, IFM-GEOMAR, Kiel, 27.02.2008.

Latif, M.: Können wir das Klima der letzten 100 Jahre und nächsten 100 Jahre verstehen? Studentische Meteorologen Tagung, CAU, Kiel, 01.05.2008.

Latif, M.: Methoden zur Erhebung von Klimadaten. Klima-Workshop, Heinrich-Heine-Gymnasium, Dortmund, 23.06.2008.

Latif, M.: Nach uns die Sintflut. 8. Unternahmertreffen Volksbank, Elmshorn, 22.09.2008.

Latif, M.: Ozean der Zukunft - die Rolle der Weltmeere für das Klima. Öffentliche Veranstaltung anlässlich des Symposiums „Future Ocean“ Die Ozeane und der globale Klimawandel - eine Herausforderung für Gesellschaft und Wirtschaft, Kiel, 07.10.2008.

Latif, M.: The Challenge of Long-term Climate Change. DHL Innovation Center und Go Green "International Green Day", Köln, 26.02.2008.

Latif, M.: Umwelt und Globalisierung - Herausforderung Klimawandel. Capgemini Business Dialog, Zurich, Switzerland, 28.05.2008.

Latif, M.: Verändert der Mensch das Klima?

Neujahrsveranstaltung, Fa. BEKO, Lütjenburg, 16.01.2008.

Latif, M.: Verändert der Mensch das Klima? Haus Michael Katholisches Studentenwohnheim, Kiel, 14.05.2008.

Latif, M.: Verändert der Mensch das Klima? Schleswig-Holsteinische Universitätsgesellschaft, Volkshochschule Reinbek, Reinbek, Sachsenwald, 19.05.2008.

Latif, M.: Klimawandel - welche Zukunft erwartet uns noch und was ist zu tun? Volksbank im Märkischen Kreis eG, Neuenrade, 30.01.2008.

Latif, M.: Verändert der Mensch das Klima? 125 Jahre Hansa-Gymnasium, Hamburg-Bergedorf, 27.05.2008.

Latif, M.: Verändert der Mensch das Klima? Traditioneller Herrenabend im Finkenwerder Elb-blick, Hamburg, 11.02.2008.

Latif, M.: Verändert der Mensch das Klima? Nahverkehrsforum Nord, IHK Kiel, Kiel, 08.05.2008.

Latif, M.: Verändert der Mensch das Klima? Schleswig-Holsteinische Universitätsgesellschaft, Heikendorf, 09.10.2008.

Latif, M.: Verändert der Mensch das Klima? Rudolf-Steiner-Schule, Bergedorf, 23.01.2008.

Latif, M.: Verändert der Mensch das Klima? Bordesolmer Sparkasse, Bordesolm, 20.05.2008.

Latif, M.: Von der globalen zur regionalen Klimavorhersage. Betrifft Wasser: EZ trifft Wissenschaft. Anpassung an den Klimawandel: Regionale Prognosen verbessern, GTZ-Zentrale, Eschborn, 05.06.2008.

Latif, M.: Vorhersagbarkeit von saisonalen und dekadischen Variabilitäten. BMBF Nordatlantik Status-Seminar, Hamburg, 20.02.2008.

Latif, M.: Are we knocking our climate out of whack? 6th Conference of Presidents of American Clubs, Hamburg, 17.10.2008.

Latif, M.: Bringen wir unser Klima aus dem Takt? Fakultätsfeier, Universität Paderborn, Paderborn, 15.11.2008.

Latif, M.: Bringen wir das Klima aus dem Takt? Info-Veranstaltung Seen-Programm, Plön, 26.11.2008.

Latif, M.: Bringen wir das Klima aus dem Takt? Besuch der Auguste-Viktoria Schule am IFM-GEOMAR, IFM-GEOMAR, Kiel, 25.11.2008.

Latif, M.: Bringen wir das Klima aus dem Takt? Herderschule, Rendsburg, 16.12.2008.

Latif, M.: Das El Nino-Phänomen. Universitäts-Gesellschaft Schleswig-Holstein, Kiel, 13.11.2008.

Latif, M.: Das Klima des 20. und 21. Jahrhunderts. Weltbodentag 2008, Technische Universität Berlin, Berlin, 04.12.2008.

Latif, M.: Der erwartete Klimawandel bis zum Ende des 21. Jahrhunderts. 2. Symposium NaT-Working „Meeresforschung“, IFM-GEOMAR, Kiel, 28.11.2008.

Latif, M.: Herausforderung Klimawandel? Warum ist es auf der Erde so warm? Kinder-Uni, Weil der Stadt, 20.11.2008.

Latif, M.: Hurrikane, die göttlichen Winde. Universitäts-Gesellschaft Schleswig-Holstein, St.Peter Ording, 01.12.2008.

Latif, M.: Hurrikane, die göttlichen Winde. Universitäts-Gesellschaft, Trappenkamp, 03.11.2008.

Latif, M.: Klimaforschung - Klimawandel Global denken - Lokal handeln. Fortbildungsseminar des höheren Dienstes der Landespolizei S.-H., Leck, 27.11.2008.

Latif, M.: Klimawandel. Fa. Viega, Düsseldorf, 15.12.2008.

Latif, M.: Klimawandel. Ratsgymnasium, Osnabrück, 28.10.2008.

Latif, M.: Nach uns die Sintflut? 50 Jahre Zivil- und Bevölkerungsschutz in Deutschland, Bonn, 05.12.2008.

Latif, M.: Supercomputer, die Basis für die moderne Klimaforschung. 50-Jahre RZ am CAU Kiel, CAU, Kiel, 27.11.2008.

Latif, M.: Verändert der Mensch das Klima?

Fachvortragsveranstaltung der Steuerberaterkammer und des Steuerberaterverbandes Schleswig-Holstein, Kiel, 07.11.2008.

Latif, M.: Wo stehen wir in Sachen Klimaschutz? „Mit Energie für Klimaschutz“ mit dem Niedersächsischen Umweltminister, Hannover, 30.10.2008.

Latif, M.: Warum ist es auf der Erde so schön warm? Kinderuni Meereswissenschaften, CAU, Kiel, 01.10.2008.

Lenz, M.: Mehr als nur Sushi: Neue Einblicke in die Ökologie der Großalgen. Maasholmer Meereskundliche Vorträge, Naturerlebniszentrum Maasholm, Maasholm, 29.07.2008.

Macke, A.: Wolken im Wetter- und Klimageschehen. Schleswig-Holsteinische Universitätsgesellschaft, Itzehoe, 10.01.2008.

Macke, A.: Meteosat Second Generation - Europas Auge im All auf Wetter und Klima. SHUG-Vortrag Sektion Neumünster, Neumünster, 12.02.2008.

Macke, A.: Meteosat Second Generation - Europas Auge im All auf Wetter und Klima. SHUG-Vortrag Sektion Lütjenburg, Lütjenburg, 21.02.2008.

Macke, A.: METEOSAT: Europas Blick aus dem All auf Wetter und Klima. SHUG-Sektion Bönningstedt, Schleswig-Holsteinische Universitätsgesellschaft, 01.10.2008.

Macke, A.: METEOSAT: Europas Blick aus dem All auf Wetter und Klima. SHUG-Sektion Niebüll, Schleswig-Holsteinische Universitätsgesellschaft, 09.10.2008.

Macke, A.: METEOSAT: Europas Blick aus dem All auf Wetter und Klima. SHUG-Sektion Norderstedt, Schleswig-Holsteinische Universitätsgesellschaft, 28.10.2008.

Macke, A.: Wolken im Wetter und Klimageschehen. Schleswig-Holsteinische Universitätsgesellschaft, Ahrensburg, 11.11.2008.

Melzner, F.: Warum der Ozean sauer wird und warum das die Miesmuschel interessiert. Aqua-

riumsvortrag Kieler Woche, IFM-GEOMAR, Kiel, 26.06.2008.

Piatkowski, U.: Kalmare, Kraken und Co: Athleten der Tiefsee. Winterabendvortrag, Zoologisches Forschungsmuseum Alexander König, Bonn, 27.02.2008.

Piatkowski, U.: Kraken der Tiefsee. Informationsvortrag zur Lesung Bernhard Kegels aus seinem Roman „Der Rote“, IFM-GEOMAR, Kiel, 16.01.2008.

Saage, A.: Plankton – klein aber oho. Wissenschaftliche Sonntagsmatinee für Familien, Pfalzmuseum, Burg Lichtenberg, Kusel, 30.03.2008.

Sommer, U.: Die Biologie der Meere im 21. Jahrhundert. Kunstverein Schwimmhalle Schloss Plön, Plön, 16.07.2008.

Steinhoff, T.: Marine Biogeochemie - was macht die Chemie im Meer? MNU CAMPUS 2008, Kiel, 15.09.2008.

Treude, T.: Walkadaver (Whale Falls): Oasen in der Tiefsee. Vortragsreihe des Zoologischen Museums, Hamburg, 04.2008.

Ueberschär, B.: Fischkonsum im Einklang mit der Ökologie. Naturerlebniszentrum Maasholm, Maasholm, 01.07.2008.

Ueberschär, B.: Fischverzehr im Einklang mit der Ökologie. Ozean der Zukunft auf dem Schleswig-Holstein-Tag, Kiel, 11.-13.07.2008.

van den Bogaard, C.: Im Visier: Kamtschatkas Vulkane und die Auswirkungen auf die globale Umwelt und das Klima. Vortragsreihe, Naturwissenschaftlicher Verein für Schleswig-Holstein, NWV-SH, Kiel, 02.04.2008.

Visbeck, M.: Beobachtungen aus dem Inneren des Ozeans: Eine Herausforderung im 21. Jahrhundert. Kieler Woche Vorträge, IFM-GEOMAR, Kiel, 23.06.2008.

Wallmann, K.: CCS und Gashydrate. Nautischer Verein, Brunsbüttel, 04.02.2008.

7. Scientific Exchange & Cooperation

7.1 Visitors at IFM-GEOMAR

(shorter than 2 weeks, excl. day visits)

Antunes, A.: Universidade Jean Piaget, Praia, Cape Verde, 26.05-30.05.2008

Baranov, B.: P.P. Shirshov Institute of Oceanology RAS, Moscow, Russia, 06.04.-11.04.2008

Brevière, E.: University of East Anglia, Norwich, U.K., 17.-19.09.2008, 05.11.-7.11.2008

Brito, E.: INMG, Espargos, Cape Verde, 27.05.-30.05.2008

Clark, S. A.: Universitetet i Oslo, Oslo, Norway, 07.10.-10.10.2008

Deschamps, A.: Geosciences Azur, Nice, France, 02.12.-05.12.2008

Dessa, J.: Geosciences Azur, Villefranche, France, 02.12.-05.12.2008

Dorador, Ch.: Centro de Biotecnología, Universidad Católica del Norte, Antofagasta, Chile DAAD exchange programme, 07.07.-17.07.2008.

Federova, I.: State University of St. Petersburg, St. Petersburg, Russia, 28.04.-08.05.2008

Funck, T.: Geological Survey of Denmark and Greenland, Copenhagen, Denmark, 19.06.-23.06.2008, 01.12.-05.12.2008

Galbraith, E.: Princeton University, Princeton, NJ, USA, 05.10.-15.10.2008

Kostygov, S.: St. Petersburg State University, St. Petersburg, Russia, 05.11.-12.11.2008

Martinez, P.: Université Bordeaux, Talence Cedex, France, 19.09.-21.09.2008

Medina, A.: INDP, Mindelo, Cape Verde, 21.05.-30.05.2008

Melicio, Ó.: INDP, Mindelo, Cape Verde, 26.05.-30.05.2008

Pomella, H.: Universität Innsbruck, Institut für Geologie und Paläontologie, Innsbruck, Austria, 13.05.-21.05.2008

Santos, C.: INDP, Mindelo, Cape Verde, 26.05.-

30.05.2008

Silva, P.: INDP, Mindelo, Cape Verde, 21.05.-30.05.2008

Weiss, R.: Department of Geology & Geophysics, Texas A&M University, College Station, 22.10.-26.10.2008

(longer than two weeks)

Altabet, M.: University of Massachusetts, Dartmouth, MA, USA, 14.09.-30.09.2008

Anil Kumar, P.: DAAD exchange programme. Jawaharalal Nehru Technological University, Hyderabad, India, 15.04.-12.07.2008

Bécel, A.: Instituto de Ciencias de la Terra Jaume Almera, Barcelona, Spain, 09.06.-12.07.2008

Bunsomboonsakul, S.: Sea Start Regional Center, Chulalongkorn University, Bangkok, Thailand, 21.01.-18.02.2008

Burke, R.: University of Ottawa, Canada, 12.06.-15.08.2008

Canning-Clode, J.: PhD, University of Madeira, Portugal, 2005-2008
Cytology Dept., National Research Center, Dokki, Cairo, Egypt, 02.04.-31.12.2008

Demir, N.: Kocaeli University, Kocaeli, Turkey, 13.11.2007-21.08.2008, 08.09.-18.12.2008

EL- Bondkly, A. M.: Applied Microbial Genetics Lab., Genetics & Elizabeth Griffith, Department of Geological & Environmental Sciences, Stanford University, Stanford, California 94305 USA, 01.04 - 01.05.2008

Garilao, C.: WorldFish Center Philippines, February 2008

Gary, S.: Duke University, Durham, USA, 01.09.2008-09.01.2009

Gomes Bezerra, R.: Universidade de Aveiro, Aveiro, Portugal, 02.12.-15.12.2008

Gorbach, N.: Institute of Volcanology and Seismology FEB RAS, Petropawlowsk-Kamtschatskij,

Russia, 05.06.-25.06.2008

Gruen, C.: Shelf Sea System Ecology, AWI, Bremerhaven, 18.02.-11.04.08

Javid, J.: Gorgan University, Iran. PhD grant of the Ministry of Science Research and Technology, Iran, October 2004 - September 2008.

Joshi, F.: Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, 01.10.-31.12.2008

Keeling, R.: Scripps Institute of Oceanography, University of Southern California, San Diego, USA, 18.07.2008-31.07.2009

Keeling, R.: Scripps Institution of Oceanography, San Diego, CA, USA, 09.07.2008-June 2009

Khawiwala, S.: Lamont Doherty Earth Observatory, Columbia University, USA, 11.06.2008-21.06.2008

Khleborodova, O.: Institute of Volcanology and Seismology FEB RAS, Petropawlowsk-Kamtschatskij, Russia, 01.07.-29.07.2008

Khon, V.: A.M. Obukhov Institute of Atmospheric Physics RAS, Moscow, Russia, 10.06.-28.08.2008

Kuo, P.-S.: National Chung-Hsing University, Department of Environmental Engineering, Taichung Taiwan, 09.08.-07.09.2008

Lisitzin, A.P.: P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences, Moscow, Russia, 26.03.-21.04.2008

Litvinov, E.: St. Petersburg State Polytechnical University, St. Petersburg, Russia, 02.08.-31.08.2008

Mahasweta S.: DAAD-Grant, National Institute of Oceanography, Goa, India, 2008-2011

Meng, Q.: CSC-Grant, Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China, 04.09.2008-31.03.2010

Minakov, A.: University of Bergen, Bergen, Norway, 03.09.-14.09.2008

Mourino, B.: University of Vigo, Spain, 07.05.-

31.08.2008

Mustafa, K.: Universidade de Aveiro, Aveiro, Portugal, 02.12.-15.12.2008

Myers, P.: University of Alberta, Canada, 02.07.-26.09.2008

Nickelsen, L.: Carl von Ossietzky Universität Oldenburg, Oldenburg, 28.07.2008-26.09.2008

Patara, L.: Centro Euro-Mediterraneo per i Cambiamenti Climatici, Bologna, Italy, 26.05.2008-25.05.2009

Petersen, C.J.: University of Tromsø, Tromsø, Norway, 12.12.-28.12.2008

Polyakova, Ye.: Moscow State University, Moscow, Russia, 26.03.-21.04.2008, 30.11.-29.12.2008

Ponomareva, V.: Institute of Volcanology and Seismology FEB RAS, Petropawlowsk-Kamtschatskij, Russia, 06.02-20.02.2008

Rodriguez Ranero, C.: Instituto de Ciencias del Mar, Barcelona, Spain, 28.07.-29.08.2008

Sakuna, D.: Phuket Marine Biological Center, Phuket, Thailand, 21.01.-18.02.2008

Sarjito: Foster-Grant, Humboldt. Department of Marine Science, Diponegoro University, Tembalang, Central Java, Indonesia, 15.10.-24.12.2008

Sasikala, Ch.: DAAD exchange programme. Jawaharalal Nehru Technological University, Hyderabad, India, 16.04.-04.07.2008

Savelyev, D.: Institute of Volcanology and Seismology FEB RAS, Petropawlowsk-Kamtschatskij, Russia, 04.04.-24.04.2008

Sheen, K.: University of Cambridge, Cambridge, U.K., 14.01.-08.02.2008

Sinitsyn, A.: DAAD-Grant, A.M. Obukhov Institute of Atmospheric Physics RAS, Moscow, Russia, 08.07.-19.12.2008

Taldenkova, E.: Moscow State University, Moscow, Russia, 30.10.-27.11.2008

Timokhov, L.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 26.11.-28.12.2008

Tipmanee, D.: Prince of Songkla University, Songkla, Thailand, 21.01.-18.02.2008

Tishchenko, P. Y.: Pacific Oceanological Institute (POI), Vladivostok, Russia, 19.11.-19.12.2008

Tseng, W.-L.: National Chung-Hsing University, Department of Environmental Engineering, Taichung Taiwan, 17.09.-12.12.2008

Tsuang, B.-J.: National Chung-Hsing University, Department of Environmental Engineering, Taichung Taiwan, 09.08.-07.09.2008

Tyshko, K.: Arctic and Antarctic Research Institute, St. Petersburg, Russia, 02.11.-30.11.2008

Wilson, D.: Durham University, Durham, U.K., 13.10-31.10.2008

Zamora, L.: Department of Marine and Atmospheric Chemistry, University of Miami, USA, 07.01.-07.04.2008

7.2 Visits by IFM-GEOMAR staff

Behrmann, J.H.: Ocean University, Qingdao, China, 31.07.-09.08.2008

Berndt, C.: National Oceanography Centre, Southampton, U.K., 25.04.-17.05.2008

Eden, C.: IFREMER, Brest, France, 01.09.-22.09.2008

Freing, A.: Arbeitsgruppe Gruber, N., ETH Zürich, Zürich, Switzerland, 04.02.-18.02.2008

Gärtner, A.: Facultad de Recursos del Mar, Universidad de Antofagasta, Chile, DAAD exchange programme, 18.11.-31.12.2008

Hu, M.Y.: Laboratoire d'Ecophysiologie des Invertébrés, Montpellier, France, 15.09.-11.11.2008.

Imhoff, J.F.: Facultad de Recursos del Mar, Universidad de Antofagasta, Chile, DAAD exchange programme, 18.11.-29.11.2008

Keenlyside, N.: National Chung-Hsing University, Department of Environmental Engineering, Taichung Taiwan, 16.11.-27.11.2008

Riebesell, U.: Marine Science Institute, University of California, Santa Barbara, USA, 01.09.-31.12.2008

Scherwath, M.: GNS Science, Lower Hutt, New Zealand, 21.10.-14.12.2008

Stumpp, M.: Kristineberg Marine Research Station, Sven Lovén Centre for Marine Sciences, Fiskebäckskil, Sweden, 01.07.-12.08.2008

Sudhaus, St.: The Interuniversity Institute for Marine Sciences, Eilat, Israel/The Mina and Everard Goodman Faculty of Life Sciences, Bar Ilan University, Ramat Gan, Israel, 01.08.-01.09.2008

Taubner, I.: laboratory of Prof. Jonathan Erez, Institute of Earth Sciences, Hebrew University, Jerusalem, Israel, 10.01.-16.06.2008

Visbeck, M.: CIMAS, University of Miami, USA, 16.12.2008-29.01.2009

Visbeck, M.: Ocean University Qindao, Qindao, The People's Republic of China, 18.07.-29.08.2008

Zindler, C.: Arbeitsgruppe Simó, R., Institut de Ciències del Mar, CMIMA-CSIC, Pg. Marítim de la Barceloneta, Barcelona, Spain, 08.-21.01.2008

Zöllner, E.: AG Molekulare und mikrobielle Ökologie, Institut für Ostseeforschung, Warnemünde, 05.11.-14.11.2008

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

Bange, H.: BIOCAT Summer School, IFM-GEOMAR, Kiel, 15.09.-19.09.2008

Bange, H.: SOPRAN PHASE II, Brain Storming Meeting, IFM-GEOMAR, Kiel, 02.12.-03.12.2008

Behrmann, J., co-organizer, IODP/ICDP Schwerpunkt-kolloquium, Hannover, 12.03.-14.03.2008

Berndt, C.: Arctic gas hydrate collaboration opportunities, Kiel, 16.11.2008

Clemmesen, C.: 32nd Annual Larval Fish Conference, Kiel, 04.08.-07.08.2008

Croot, P.: EUROCEANS workshop: Iron Biogeochemistry across marine systems at changing times, Gothenborg, Sweden, 14.05.-16.05.2008.

Dengg, J.: 2. Symposium "NaT-Working Meeresforschung", IFM-GEOMAR, Kiel, 28.11.-29.11.2008

Dengg, J.: Outreach in Ocean Sciences – Taking the Ocean to the Classroom. Ocean Sciences Meeting 2008, Orlando, FL, USA, 02.03.-07.03.2008

Dullo, W.-Chr., van den Bogaard, C., and Georgeleit, K.: 3. Deutscher KALMAR-Workshop, Kiel, 07.04.-09.04.2008

Eisenhauer, A.: Divalent Cation (Mg, Ca, Sr) Isotope Fractionation II, American Geophysical Union, 2008, USA, 14.07.-19.07.2008

Kassens, H., and Bowden, S.: First Meeting of the ICARP II Marine Roundtable, St. Petersburg, Russia, 07.07.2008

Kassens, H., and **Kakhro, N.:** POMOR Internationales Arbeitstreffen, Kiel, 25.06.-29.06.2008

Kassens, H., Georgeleit, K., Hölemann, J., Kakhro, N., Klagge, T., and Timokhov, L.: OSL Annual Meeting – 2007/2008 Fellowship Programme, Kiel, 25.02.-26.02.2008

Kassens, H., Hars, M., Klagge, T., and **Volkmann-Lark, K.:** Arbeitstreffen des Ver-

bundvorhabens „System Laptev-See: Eurasische Schelfmeere im Umbruch - Ozeanische Fronten und Polynjasysteme in der Laptev-See“, Kiel, 25.11.2008

Kassens, H., Kakhro, N., Kaledin, N., and **Troyan, V.:** POMOR-Arbeitstreffen, St. Petersburg, Russia, 22.01.2008

Kassens, H., Lantuit, H., Timokhov, L., **van Nieuwenhove, N.,** and **Wegner, C.:** OSL-APECS-PYRN Workshop IMPETUS 2008: Polar Ocean Observation and Monitoring, St. Petersburg, Russia, 19.11.-22.11.2008
Ollig, R., **Kassens, H., Kakhro, N.,** Priamikov, S., Tanner, B., and Tatarinov, P.: 13. 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, List/Sylt, 26.11.-28.11.2008

Park, W.: The 2nd Korean-German Workshop on Earth System Modelling – Global teleconnections and the East Asian region, Wonju, Korea, 03.06.-05.06.2008

Rumohr, H.: World Conference on Marine Biodiversity, (Convener zus. mit Jake Rice, Canada) Theme session 4.3 Conserving Marine Biodiversity: Making Policy, Management Tools, and Scientific Knowledge Work Together, Valencia Spain, 11.11.-14.11.2008

Smith, St., **H. Rumohr,** T. Noji (Conveners): ICES Annual Science Conference, Theme Session G: Sediment-biota interactions and mapping marine habitats, Halifax, Nova Scotia, Canada, 22.09.-26.09.2008.

Sommer, U.: 5th AQUASHIFT-Workshop, Konstanz, 24.09.-26.09.2008

Tanhua, T.: Hood, M.: CARINA, Final Meeting, Carbon in the North Atlantic, UNESCO, Paris, France, 18.06.-19.06.2008

Visbeck, M., et al.: International Symposium

on the Effects of Climate Change on the World's Oceans, Gijón, Spain, 19.05.-23.05.2008

Wallace, D.W.R., LaRoche, J., Schmitz-Streit, R., Kuypers, M.: SFB 754 Workshop on „Novel Insights into Redox and Nutrient Cycles in the Ocean“, IFM-GEOMAR, 06.10.-07.10.2008

Wallace, D.W.R.: Cape Verde Day, Cooperation Agreement Ceremony between IFM-GEOMAR and INDP, IFM-GEOMAR, Kiel, 28.05.-29.05.2008

Wallmann, K., Bialas, J.: SUGAR Kick-Off meeting, 05.09.2008

Wegner, C., and Mikkelsen, N.: ICARP II Marine Roundtable - Early Career Scientists Workshop, Copenhagen, Denmark, 21.10.-22.10.2008

7.4 Colloquia & Seminars at IFM-GEOMAR

Meereswissenschaftliches Kolloquium

31.01.2008:

Sonderkolloquium W3-Professur für Biologische Ozeanographie

Prof. Dr. Jörg Overmann, Ludwig-Maximilians-Universität, München: *"Oligotrophy, maintenance, symbiosis-bacterial adaptations and their biogeochemical implications"*.

Dr. Helle Ploug, Alfred-Wegener-Institut, Bremerhaven: *"Respiration and sinking velocity of zooplankton fecal pellets and phytoplankton-derived aggregates: an analysis of carbon turnover across the particle size spectrum in the pelagic realm"*.

Prof. Dr. Gerhard Herndl, Royal Netherlands Institute for Sea Research, IOW, The Netherlands: *"Microbial Oceanography: linking diversity and function from the sea-surface microlayer to the deep ocean"*.

Prof. Dr. Klaus Jürgen, Leibniz-Institut für Ostseeforschung, Warnemünde: *"Microbial communities and their biogeochemical functions in pelagic redoxclines: Examples from the Baltic and the Black Sea"*.

01.02.2008:

Dr. Anja Engel, Alfred-Wegener-Institut, Bremerhaven: *"Reactivity and fate of organic matter in the ocean"*.

PD Dr. Hans-Peter Grossart, Institut für Gewässerökologie und Binnenfischerei, Berlin: *"Micro-scale processes with global scale implications: microbial action at interfaces"*.

01.02.2008:

Scientific symposium honouring Prof. Hans-Ulrich Schmincke on occasion 70th birthday.

Sebastian Krastel, IFM-GEOMAR, Kiel: *"Large Scale sediment transport off NW-Africa"*.

Thomas Litt, Steinmann Institut für Geologie, Mineralogie und Paläontologie, Univ. Bonn, Bonn: *"Lake Van Drilling Project 'PaleoVan' (ICDP)"*.

Kaj Hoernle, IFM-GEOMAR, Kiel: *"Geophysical and geochemical evidence for arc-parallel mantle flow in Central America"*.

Hubert Staudigel, Scripps Institution of Oceanography, San Diego, CA, USA: *"3.5 Billion years of glass bioalteration: Volcanic rocks as a basis for microbial life?"*

Thomas Funk, Geological Survey of Denmark and Greenland, Copenhagen, Denmark: *"Seismic study of the transform rifted margin in Davis Strait: What happens when a plume meets a transform"*.

Brian Upton, School of GeoSciences, University of Edinburgh, Edinburgh, U.K.: *"Magma and mantle processes in the Gardar Igneous Province, South Greenland"*.

Martin Engi, University of Bern, Institute of Geological Sciences, Bern, Switzerland: *"Dating coming of age: a metamorphic view"*.

Jan Hertogen, Katholieke Universiteit Leuven, Leuven, Belgium: *"The Herchenberg, Eppelsberg and Leitenkopf volcanic cones revisited"*.

Don Swanson, Hawaiian Volcano Observatory, HI, USA: *"Surprising explosive history of Kilauea: aircraft, beware!"*.

Valentin Troll, Department of Earth Sciences, Uppsala University, Uppsala, Sweden: *"Textural evidence for changing eruptive styles in basaltic littoral cones: Bandas del Sur region, Tenerife, Canary Islands"*.

Matthias Hort, Institut für Geophysik, Univ. Hamburg, Hamburg: *"Observing the dynamics of volcanic eruptions with a Doppler Radar"*.

Julian Pearce, Cardiff School of Earth Sciences Cardiff, UK: *"Forearc Serpentine Volcanoes: Windows into the Mantle Wedge"*.

Martin Streck, Department of Geology, Portland State University, Portland, Oregon: *"The assem-*

bly history of an unusual magma: High-magnesian andesite from Mt. Shasta".

Gerhard Wörner, Geochemisches Institut der Georg August Universität Göttingen, Göttingen: *"25 million years of magma genesis in the central Andes"*.

Wolfgang Fraedrich, Hamburg: *"Knowledge transfer science to school"*.

05.02.2008:

Dr. Mark Siddall Dept. of Earth Sciences, University of Bristol, UK: *"Paleo-constraints on future sea-level rise"*.

Dr. Renate Hagedorn, ECMWF, Reading, U.K.: *"Die Zukunft der Wetter- und Klimavorhersage: Keine Vorhersage ohne Vorhersage der Vorhersagbarkeit"*.

08.02.2008:

Prof. Dr. Paul Myers, University of Alberta, Edmonton: Canada *"West Greenland Current Variability, 1949-2005"*.

15.02.2008:

Dr. John Costello, Biology Department, Providence College, Rhode Island, USA: *"Climate change and population dynamics of the ctenophore Mnemiopsis leidyi"*.

11.04.2008:

Dr. David W. J. Thompson, Department of Atmospheric Science, Colorado State University, Fort Collins, Colorado, U.S.A. *"Understanding 20th century surface temperature variability"*.

25.04.2008:

Prof. Dr. Richard J. Greatbatch, IFM-GEOMAR: *"Revisiting some ideas about the wind-driven ocean circulation (ANTRITTSVORLESUNG)"*.

07.05.2008:

Dr. Ben Reynolds, Institut für Isotopengeologie und Mineralische Rohstoffe, ETH Zürich, Switzerland: *"A Paradox in the Global Si Cycle Mass Balance"*.

09.05.2008:

Dr. Jean-Paul Cadoret, IFREMER, Laboratoire de Physiologie et Biotechnologie des Algues, Nantes, France: "Microalgae: Biotechnology and applications".

22.05.2008:

Dr. Michael Wiedenbeck, GeoForschungsZentrum Potsdam: "Progress in SIMS Analytical Technology: Characterizing Geochemical Processes at the Micron Scale".

30.05.2008:

Verleihung des Annette Barthelt-Preises für Meeresforschung durch die Annette Barthelt-Stiftung und das IFM-GEOMAR:

- Grußworte - Verleihung des Preises an Frau Dr. Sylvia Stegmann und Herrn Marian Yong-An Hu, beide Universität Bremen - Vorstellung der ausgezeichneten Forschungsarbeiten durch die Preisträger - Vorstellung der im Jahr 2007 ausgezeichneten Dissertation von Herrn Dr. Helge Niemann, Universität Basel, Schweiz

02.06.2008:

Dr. Boris Worm, Dalhousie University, Halifax, Nova Scotia, Canada: "Overkill im Ozean? Die Artenvielfalt der Weltmeere gestern, heute und morgen".

06.06.2008:

Dr. Lars Gamfeldt, Aquatische Ökologie, Botanisches Institut der Universität Köln: "Studying simultaneous causes and consequences of biodiversity - addressing a chicken-or-egg question of ecology".

20.06.2008:

Dr. Jinyu Sheng, Department of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada: "A multidisciplinary observation/modelling project in Lunenburg Bay of Nova Scotia?".

27.06.2008:

Dr. Rafel Simó, Institut de Ciències del Mar, CSIC, Barcelona, Spain: "Oceanic DMS emis-

sion: a tiny yet climatically significant leak from tight biogeochemical cycling".

22.10.2008:

Dr. Nicole Lovenduski, Department of Atmospheric Science, Colorado State University, Fort Collins/Colorado, USA: "The future evolution of the Southern Ocean CO₂ sink".

05.12.2008:

Dr. Michael Hoppert, Institut für Mikrobiologie und Genetik, Georg-August-Universität Göttingen, Göttingen: "Methane Seep Microbial Communities at high Resolution: Structure-Function Relationships of Microorganisms and Formation of Biominerals".

SFB574 Seminar

24.01.2008:

Andre Gaßner, Univ. Bremen: "A new pore water sampler for obtaining pore fluids under in situ conditions: "Pore water anomalies at Amsterdam Mud Volcano, Mediterranean Sea".

01.02.2008:

Martin Streck, Portland Univ., Oregon: "The assembly history of an unusual magma: "High-magnesian andesite from Mt. Shasta".

01.02.2008:

Julian Pearce, Cardiff Univ., U.K.: "Forearc Serpentine Volcanoes: "Windows into the Mantle Wedge".

27.02.2008:

Bo Galle, Chalmers University of Technology, Gothenburg, Sweden: "NOVAC - Network for Observation of Volcanic and Atmospheric Change".

13.03.2008:

Hans Graf, Cambridge Univ., U.K.: "Modelling high-energy convection".

25.04.2008:

Ivan Koulakov, Univ. Novosibirsk, Russia: "LO-TOS software for local earthquake tomography; crustal and uppermost structure beneath some

volcanic arcs (Central Java, Toba (N. Sumatra), Northern and Southern Chile and others)".

14.05.2008:

Heather DeShon, CERI, Memphis, U.S.A.: "Waveform Cross-Correlation and Seismic Tomography of Alaskan Volcanoes".

22.05.2008:

Maxim Portnyagin, IFM-GEOMAR, Kiel: "Putting the pieces back together: "Accreted terranes in the Kamchatka Forearc".

05.06.2008:

Heidi Wehrmann, IFM-GEOMAR, Kiel: "CO₂ fluxes in Central America: "What are the Climatic Implications? "

05.06.2008:

Esteban Gazel Dondi, Rutgers Univ., NJ, U.S.A.: "Petrology of the oceanic complexes (Caribbean LIP) of Costa Rica and Panama".

09.06.2008:

Anton Eisenhauer, IFM-GEOMAR, Kiel: "Combining Radiogenic Strontium (⁸⁷Sr/⁸⁶Sr) and Stable Strontium Isotope (δ⁸⁸/86Sr) Fractionation to Balance the Ocean Strontium Budget".

19.06.2008:

James White, Univ. Otago, New Zealand: "Interpretation of subaqueous eruptions from primary volcanoclastic deposits".

26.06.2008:

Jörg Geldmacher, IODP College Station, TX, U.S.A.: "Age and geochemistry of the Central American forearc basement (DSDP Leg 67 and 84): "Insights into Mesozoic arc volcanism and seamount accretion".

10.07.2008:

Ken Heydolph, IFM-GEOMAR, Kiel: "An overview of the temporal and geochemical evolution of Triassic to Recent volcanism in northern Chile".

16.07.2008:

Johannes Mederer, Univ. Würzburg: "Gold

-Palladium mineralization at Bleida Far West, Bou-Azzer El Graara Inlier, Anti-Atlas Morocco".

05.08.2008:

Vadim Levin, Rutgers Univ., NJ, U.S.A.: "The Whole Elephant: A Comprehensive Study of Seismic Anisotropy in the Upper Mantle Beneath Kamchatka".

12.08.2008:

Cornel de Ronde, GNS Science, New Zealand: "Submarine venting related to intraoceanic arcs: A new frontier in geological and biological research".

18.08.2008:

Chakravadhanula Manikyamba, National Geophysical Research Institute, Hyderabad, India: "Geochemistry of subduction zone magmatic rocks from the Neoproterozoic greenstone belts of Dharwar craton, India".

11.09.2008:

Matthew Toohey, University of Toronto, Canada: "Stratospheric reactive nitrogen: sorting out long-term trends, volcanic influences and instrumental error".

15.09.2008:

Andres Tassara, Universidad de Concepcion, Chile: "Anatomy of the Chilean forearc controlling short-term interplate seismogenesis and long-term Cordilleran orogenesis".

24.09.2008:

Monika Niessing, IFM-GEOMAR, Kiel: "Geology and stratigraphic definition of the Butiá Granite: a sillimanite-bearing syntectonic leucogranite from the Sul-rio-grandense Shield, Brazil".

29.09.2008:

Martin Rosner, Bundesanstalt für Materialforschung, Berlin: "Across- and along-arc lithium and boron isotope variations in the Tonga subduction system".

23.10.2008:

Robert Weiss, Univ. Texas, Austin, U.S.A.:

"Modelling landslides for tsunami generation".

SFB 574 retreat (30-31.10.2008)

30.10.2008:

Ingo Grevenmeyer, IFM-GEOMAR, Kiel: "Looking deeper into the lithosphere".

Wolfgang Rabbel, IFM-GEOMAR, Kiel: "Deep structure, seismicity, and fluid flow".

Marion Jegen, IFM-GEOMAR, Kiel: "Marine electromagnetic".

Francois van der Straaten, IFM-GEOMAR, Kiel: "Retrograde fluid infiltration in the subduction channel based on the eclogite-blueschist transformation".

Ralf Halama, IFM-GEOMAR, Kiel: "Nitrogen cycling and retrograde transformation processes in subduction-related rocks".

Gerd Steinle-Neumann, Univ. Bayreuth: "Crust to core – the fate of subducted materials".

Diana Comte, Univ. Santiago, Chile: "Tectono-magmatic control of giant ore deposits in the subduction factory of the high Chilean Andes – A multidisciplinary approach".

Denis Legrand, Univ. Santiago, Chile: "Volcanic projects in Chile".

Bataille, Univ. Concepcion, Chile: "Does the crust behave linearly elastic? ".

David Völker, IFM-GEOMAR, Kiel: "Submarine slumps of the lower continental slope offshore southern central Chile".

31.10.2008:

Jan Behrmann, IFM-GEOMAR, Kiel: "Geotechnical testing of cores from the southern Chile trench".

Tina Treude, IFM-GEOMAR, Kiel: "Seafloor volatile emissions and turnover – mechanisms and budgets".

Thor Hansteen, IFM-GEOMAR, Kiel: "Forearc fluid flow and volatile input to subduction zone systems".

Volker Liebetrau, IFM-GEOMAR, Kiel: "Authigenic carbonate as a long-term archive for fluid venting".

Juan Diaz, Univ. Valparaiso, Chile: "Main research areas at ECM-PUCV and continued/new areas of collaboration with SFB 574".

31.10.2008:

Kirstin Krüger, IFM-GEOMAR, Kiel: "Climate effects and feedbacks of volcanic eruptions in models".

Lars Rüpke, IFM-GEOMAR, Kiel: "Modelling of subduction processes".

Heidi Wehrmann, IFM-GEOMAR, Kiel: "Composition and dynamics of subduction-related magmatic systems: Magma genesis, temporal and spatial variations in volatile fluxes".

Armin Freundt, IFM-GEOMAR, Kiel: "Crustal controls on the volatile inventory of evolving arc magmas, and implications for volcanic hazards".

Kristin Garofalo, Univ. Paris, France: "Multiparameter volcano surveillance south-central Chile – the near real-time approach".

Thomas Walter, GFZ Potsdam: "Imaging volcano deformation and magma chambers from space".

Matthias Hort, Univ. Hamburg: "Managing volcanic unrest".

Luis Lara, SERNAGEOMIN, Chile: "The new volcano monitoring network in Chile".

Daniel F. Selles Mathieu, Univ. Santiago, Chile: "Magma variability along the southern volcanic zone (SVZ)".

Marcelo A. Farias Thiers, Univ. Santiago, Chile: "Late Cenozoic tectonics in the Andean Cordillera of central Chile".

Alberto Saal, Brown Univ., Providence, U.S.A.: "The volatile (H₂O, CO₂, F, S, Cl, S) contents and isotope composition (δD) of the SVZ intra-back arc magmatism".

Heinrich Brasse, FU Berlin: "Electromagnetic

Appendices

images of fluids and partial melts in the Andes and Central America – an attempt of a synthesis”.

05.11.2008:

Timm John, Oslo: “Self-localizing thermal runaway as a mechanism for intermediate to deep focus earthquakes”.

20.11.2008:

Guillaume Jacques, IFM-GEOMAR, Kiel?: “Li isotopic composition of Lavas from Rurutu (French Polynesia) ”.

27.11.2008:

Rauno Baese, Ruhr-Universität Bochum: “Die petrogenetische Bedeutung von Jade”.

04.12.2008:

Julia Mahlke, IFM-GEOMAR, Kiel, Preliminary insights into the evolution of Llaima und Villarica Volcanoes, Central Chile”.

SFB 754 Seminar

11.02.2008:

Prof. Dr. Dennis Hansell, Rosenstiel School of Marine and Atmospheric Science, University of Miami, FL, USA: “Dissolved organic carbon in the deep global ocean.”

16.04.2008:

Dr. Andy Dale, Utrecht University, Faculty of Earth Sciences, The Netherlands: “Stable sulfur isotope distribution in surface sediments of the Namibian shelf: a reaction-transport model study.”

28.04.2008:

Prof. Dr. Stuart Wakeham, Skidaway Institute of Oceanography, Savannah, GA, USA: “Biogeochemistry in oxygen deficient areas of the ocean.”

07.05.2008:

Lars Inge Enstadt: Dissolution and spreading of CO₂ and CH₄ in seawater from artificial and natural sources.”

07.05.2008:

Dr. Ben Reynolds, Institut für Isotopengeologie und Mineralische Rohstoffe, ETH Zürich, Switzerland: „ A paradox in the global Si cycle mass balance.”

19.05.2008:

Prof. Dr. Nicole Frankenberg-Dinkel, Ruhr-Universität Bochum: „ Efficient phage-mediated pigment biosynthesis in oceanic cyanobacteria.”

26.05.2008:

Prof. Dr. Julie LaRoche, IFM-GEOMAR, Kiel: „The response of the microbial community to short-term nutrient addition bioassay in the Atlantic ocean.”

26.05.2008:

Dr. Lothar Stramma, IFM-GEOMAR, Kiel: „Supply paths of and time variations in oxygen poor zones of the tropical oceans.”

09.06.2008:

Prof. Dr. Gerhard Schmiedl, Geologisch Paläontologisches Institut und Museum der Universität Hamburg: „Dynamik der Sauerstoffminimumzone im Arabischen Meer während der vergangenen 200.000 Jahre.”

03.07.2008:

Argiro Kaiserli, University of the Aegean, Department of Marine Sciences, Mytilene, Greece: „Distribution and biogeochemical dynamics of dissolved macro-nutrients, D/L amino acids and organic matter (DOM) in the Aegean and SE Ionian Sea (E. Mediterranean).”

07.07.2008:

Prof. Dr. Georg Fuchs, Albert-Ludwig-Universität Freiburg: „Vom Anorganischen zum Organischen - Biologische Assimilation von Kohlendioxid.”

17.09.2008:

Prof. Dr. Gerhard J. Herndl, National Oceanographic Institution of the Netherlands (NIOZ), Texel, The Netherlands: “Shedding light on dark ocean’s microbes: phylogenetic and functional analyses of Archaea and bacteria in the deep North Atlantic.”

26.09.2008:

Prof. Dr. Mark Altabet, University of Massachusetts, Dartmouth, MA, USA: “Climate forcing of oceanic suboxic Zones.”

13.10.2008:

Dr. Eric Galbraith, Princeton University, Atmospheric and Ocean Sciences, Princeton, NJ, USA: “Copepod calamities: are zooplankton to blame for poor model simulation of oceanic minimum zones?”

05.12.2008:

Dr. Michael Hoppert, Georg-August-Universität Göttingen, Institut für Mikrobiologie und Genetik, Göttingen: „Methane seep microbial communities at high resolution: structure-function relation-

ships of microorganisms and formation of biominerals."

Seminar Research Division 1

07.01.2008:

Dr. Markus Schartau, GKSS, Geesthacht: "Interpretation of Data & Refinements of Ecosystem Models"

14.01.2008:

Dr. Gerd Krahnemann, IFM-GEOMAR, Kiel: "Seismic oceanography"

28.01.2008:

Dr. Maren Walter, Universität Bremen, Bremen: "Observations of turbulent mixing near hydrothermal vents in the South Atlantic"

04.02.2008:

Dr. Matthias Prange, Universität Bremen, Bremen: "Millennial-scale drought events in the Sahel during the last glacial: The role of the Atlantic thermohaline circulation"

07.02.2008:

Dr. Igor Dmitrenko, IFM-GEOMAR, Kiel: "Observational assessment of the early 21st century Atlantic water warm anomaly over the Eurasian Basin of the Arctic Ocean"

11.02.2008:

Prof. Dr. Thomas Slawig, Excellence Cluster "Future Ocean", Kiel: "Parameter Optimization for Steady State Solutions of Climate Models"

18.02.2008:

Dr. Arne Biastoch, IFM-GEOMAR, Kiel: "A Model Study of Agulhas Leakage: Mesoscale Variability and Large-Scale Implications"

05.05.2008:

Prof. Dr. Richard Greatbatch, IFM-GEOMAR, Kiel: "The trend in the northern hemisphere winter atmospheric circulation during the last half of the 20th century: Application of an adjoint model"

19.05.2008:

Prof. Dr. Dietmar Dommenges, IFM-GEOMAR, Kiel: "Global Climate Hyper Modes"

26.05.2008:

Dr. Lothar Stramma, IFM-GEOMAR, Kiel: "Supply paths of and time variations in oxygen poor zones of the tropical oceans"

02.06.2008:

Dr. John Toole, WHOI, Woods Hole, USA: "Selected Results from the Arctic Ice-Tethered Profiler Program"

09.06.2008:

Prof. Dr. Andreas Macke, IFM-GEOMAR, Kiel: "Continuous Ship based Observations of Atmosphere/Ocean Interactions - First Results of OCEANET"

16.06.2008:

Dr. Lars Czeschel, IFM-GEOMAR, Kiel: "Oscillatory response of the Atlantic overturning to high-latitude forcing - an adjoint sensitivity study"

30.06.2008:

Dr. Ute Merkel, Universität Bremen, Bremen: "Glacial climate as simulated by a comprehensive climate model"

27.10.2008:

Prof. Dr. Hans Burchard, IOW, Warnemünde: "Analysis of physical and numerical mixing from model simulations of baroclinic inflow events in the Western Baltic Sea"

17.11.2008:

Dr. Martin Losch, AWI, Bremerhaven: "What can we expect from numerical models of sea-ice dynamics?"

24.11.2008:

Dr. Xiaoming Zhai, IFM-GEOMAR, Kiel: "Exploring the role of meso-scale eddies in the ocean"

01.12.2008:

Jenny Mecking, IFM-GEOMAR, Kiel: "The Sensitivity of the Barotropic Ocean Response to Tropical Cyclones Affecting Atlantic Canada"

08.12.2008:

Stefan Gary, Duke University, Durham, USA: "Exploring the deep limb of the AMOC: Eulerian and Lagrangian Perspectives of the DWBC and an Interior Pathway"

15.12.2008:

Prof. Dr. Dirk Olbers, AWI, Bremerhaven: "Dynamics and variability of the Antarctic Circumpolar Current"

22.12.2008:

Prof. Dr. Mojib Latif, IFM-GEOMAR, Kiel: "Global Warming, Regional Cooling"

Maritime Meteorology Seminar:

10.01.2008:

Dr. Wonsun Park, IFM-GEOMAR, Kiel: "Tropical Pacific climate and its response to global warming in the Kiel Climate Model"

17.01.2008:

Claudia Frauen, IFM-GEOMAR, Kiel: "Interactions of the tropical Indian and the tropical Atlantic Ocean with ENSO"

24.01.2008:

Andreas Wassmann, IFM-GEOMAR, Kiel: "Vgl. Mikrowellenalgorithmen"

24.01.2008:

Yann Zoll, IFM-GEOMAR, Kiel: "Vgl. Wolken-Mikrowelle / LWP"

30.01.2008:

Anna Heinle, IFM-GEOMAR, Kiel: "Cloud classification"

07.02.2008:

Antje Torge, IFM-GEOMAR, Kiel: "m-simple Designs"

13.03.2008:

Dr. Astrid Bracher, and **Dr. Bettina Schmitt**, AWI Bremerhaven/Universität Bremen: "Global observation of marine phytoplankton with satellite and in-situ measurements"

12.06.2008:

Andreas Wassmann, IFM-GEOMAR, Kiel: "Ship based microwave remote sensing of the atmosphere".

19.06.2008:

Katharina Lengfeld, IFM-GEOMAR, Kiel: "Cloud-radiation correlations from observations".

19.06.2008:

Inger Jahnke, IFM-GEOMAR, Kiel: „Der Effekt durchbrochener Bewölkung auf die solare Einstrahlung am Erdboden“.

03.07.2008:

Dr. Thomas Holzer-Popp, DLR, Weßling-Oberpfaffenhofen: „Aerosolfernerkundung am DLR“.

03.07.2008:

Lars Klüser, DLR, Weßling-Oberpfaffenhofen: „Mineralstaubfernerkundung aus MSG-Daten und Aerosol/Wolken-Wechselwirkung“.

10.07.2008:

Janine Flöter, IFM-GEOMAR, Kiel: "A simple model of global warming".

17.07.2008:

Ralf Hand, IFM-GEOMAR, Kiel: "Multi-decadal variability in the North Atlantic sector".

17.07.2008:

Martin Hieronymi, IFM-GEOMAR, Kiel: "Sub-surface light fluctuations".

14.08.2008:

Dr. Tom Rother, DLR, Neustrelitz: „Modellierung der Lichtstreuung an nichtsphärischen Teilchen – Möglichkeiten und Grenzen“.

21.08.2008:

Alexey Sinitsyn, Shirshov Institute for Oceanology, Moscow, Russia (z.Z. IFM-GEOMAR, Kiel): "Clouds and Radiation: ship based observations and parameterizations"

21.08.2008:

Doreen Metzner, IFM-GEOAMR, Kiel: „ENSO in ECHAM5-SPARC“ (Poster)

30. 09. 2008:

Dr. Marc Schröder, DWD, Offenbach: "Climate

monitoring activities at CM-SAF: Water vapour products and process studies in the tropics"

20.11.2008:

Dr. Hartwig Deneke, Royal Netherlands Meteorological Institute (KNMI), De Bilt, The Netherlands: "Estimating Cloud Properties from METEOSAT SEVIRI: Effects of Unresolved Variability and Broken Clouds"

27.11.2008:

Kerstin Schepanski, IFM-GEOMAR, Kiel /IFT, Leipzig: „Characterizing Saharan Dust Sources and Export towards the Atlantic“.

11.12.2008:

Alexander Strehz, IFM-GEOMAR, Kiel: "Natural and anthropogenic climate variability during the 20th century"

18.12.2008:

John Kalisch, and **Alexey Sinitsyn**, IFM-GEOMAR, Kiel and PP Shirshov Institute, Moscow, Russia: "Cloud/radiation parameterizations from ship based observations over the Atlantic: OCEANET & MORE"

Other seminars

14.01.2008:

Dr. E. Jeansson, Bjerknes Center for Climate Research, Bergen, Norway: "Recent changes in the Greenland Sea: Tracers and Hydrography".

28.01.2008:

Dr. Florian Weinberger, IFM-GEOMAR: "Release of halogenated organic compounds by seaweeds: what is its biological function?"

11.02.2008:

Dr. D. Hansell, RSMAS, University of Miami, USA: "Dissolved Organic Carbon in the Deep Global Ocean".

18.03.2008:

Dr. Joachim Rheimheimer, BASF: "Naturstoffe in der Pflanzenschutzforschung. Arbeitsweise und das Vorgehen bei der Bearbeitung von Leitstrukturen aus der Natur."

07.04.2008:

Dr. B. Fach, **Dr. B. Salihoglu**, Institute of Marine Science, Middle East Technical University, Erdemli-Mersin, Turkey: "Modeling the influence of environmental factors on different species: examples of Antarctic krill (*Euphausia superba*) and Black Sea anchovy (*Engraulis encrasiocolus*)".

07.04.2008:

Prof. Dr. T. Oguz, Middle East Technical University, Ankara: "Evidence of anchovy stock transitions and Mnemiopsis regime shift as modeled by coupled lower trophic food web and anchovy population dynamics".

25.04.2008:

Prof. Dr. I. Koulakov, Institute of Petroleum Geology and Geophysics, SB RAS, Novosibirsk, Russia: "Combined tomographic forward and inverse modeling of active seismic refraction profiling data".

08.05.2008:

Prof. Dr. Roderich Süßmuth, Technische Universität Berlin: "Vancomycin, Abyssomicin, Proximicin - Struktur, Biosynthese und Wirkmechanismus von alten und neuen Naturstoffen".

09.05.2008:

Dr. Jean-Paul Cadoret, IFREMER, Laboratoire de Physiologie et Biotechnologie des Algues, Nantes, Frankreich: "Microalgae: Biotechnology and applications".

15.05.2008:

Dr.-Ing. Ute Dechert, Senior Scientist Analytics / Controlling R&D, BRAIN Aktiengesellschaft Zwingenberg,: "BRAIN Philosophie".

29.05.2008:

Dr. Eckhard Günther, Discovery and Preclinical Development, Aeterna Zentaris GmbH, Frankfurt / M.: "Naturstoffe als Leads - Enttäuschte Hoffnungen? Das Beispiel des BioTech-Unternehmens Aeterna Zentaris".

02.06.2008:

Prof. Dr. Birgit Schneider, Christian-Albrechts-Universität zu Kiel: "Air-Sea CO₂-flux and Marine Primary Production in Coupled Climate Carbon Cycle Models: Model-Data Comparisons".

09.06.2008:

Dr. D. Reed, Utrecht University, Utrecht, The Netherlands: "Temporal trends in bioturbation"

11.06.2008:

Dr. S. Dupont, Sven Loven, Centre for Marine Sciences, University of Gothenburg, Sweden: "Ocean acidification: On the road to the next extinction?"

20.06.2008:

Prof. Dr. Lutz Heide, Pharmazeutische Biologie, Universität Tübingen: "Genetische Manipulation von Naturstoffproduzenten: Neue Aminocoumarin-Antibiotika durch Metabolic Engineering und Mutasynthese".

15.07.2008:

Prof. Dr. Christian Hertweck, Leibniz Institute for Natural Product Research and Infection Biology, Jena: "Natural product assembly lines and their role in microbial interactions".

12.08.2008:

Dr. J.-C. Shiao, Institute of Oceanography, National Taiwan University, Taipei, Taiwan: "Factors controlling otolith biomineralization in zebrafish".

22.09.2008:

Dr. O. Duteil, LOCEAN, Paris, France: "Impact of surface and subsurface chlorophyll concentration on SST and heat budget".

22.09.2008:

C. Zindler, IFM-GEOMAR, Kiel: "The production of DMS and DMSP in the oceans".

03.10.2008:

Prof. Dr. Christian Berndt, IFM-GEOMAR: "Dynamics of polar gas hydrates – results of JCR211".

13.10.2008:

Dr. E. Galbraight, Princeton University, Prince-

ton, USA: "Copepod calamities: Are zooplankton to blame for poor model simulations of oceanic oxygen minimum zones?"

17.10.2008:

Prof. Dr. Axel Zeeck, Institut für Organische und Biomolekulare Chemie - Abteilung Biomolekulare Chemie –Göttingen: "Wie findet man neue mikrobielle Naturstoffe? – Rückblick und Perspektiven".

27.10.2008:

O. Baars, IFM-GEOMAR, Kiel: "Chemical speciation of the trace elements Zn, Cd, Co and Ni in the Southern Ocean and potential impacts on phytoplankton species".

03.11.2008:

Dr. A. Yool, National Oceanography Centre, Southampton, UK: "Nor so new: why not to use the f-ratio?"

05.11.2008:

Dr. P. Wilson, Scripps Institute of Oceanography, San Diego: "Measuring the nucleation temperature of supercooled solutions - with particular reference to methane hydrates".

07.11.2008:

Prof. Dr. Hans-Peter Fiedler, Universität Tübingen, Mikrobiologisches Institut: „Albidopyrone: "Neue Wirkstoffe aus marinen und terrestrischen Actinomyceten".

15.11.2008:

Dr. C. Deusner, MPI Bremen: "High-pressure experiments on the microbial oxidation of methane in marine sediments".

01.12.2008:

Mario Lebrato, IFM-GEOMAR, Kiel: "Importance of organism-level measurements in the carbon biogeochemical cycling and large-scale processes".

08.12.2008:

Dr. U. Kappler, University of Queensland, Brisbane, Australia: "Redox proteins involved in sulphur compound conversions in bacterial cells".

15.12.2008:

Dr. T. Möbius, Universität Frankfurt: "The age of the Middle Atmosphere".

7.5 Expert Activities

Bange, H.W.:

- Member, Joint SOLAS/IMBER carbon Implementation group
- Co-chair, WG 3 of COST Action 735: Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases
- Member, Management Committee of the COST Strategic Workshop on "CH₄ release from Arctic zones".

Bauch, H.A.:

- Member, Steering Committee: PAGES Working Group: Arctic2k - Arctic climate during the last 2 millennia

Behrmann, J.H.:

- Member, Science Advisory Group, International Continental Drilling Program (ICDP)
- Member, Board of Governors, Geoforschungszentrum Potsdam
- Member, Science Planning Committee (SPC), Integrated Ocean Drilling Program (IODP)
- Scientific Advisor (PhD candidates) University of Freiburg
- Scientific Coordinator, DFG-SPP "SAMPLE" (South Atlantic)
- Scientific Coordinator, DFG-SPP IODP/ODP

Biaostoch, A.:

- Member, NEMO developer committee, NEMO consortium Paris
- Member, Usergroup committee, DKRZ Hamburg

Bialas, J.:

- Member, wissenschaftlich-technischen Arbeitsgruppe Ersatzbau SONNE.
- Marine Geology, Guest Editor Special Issue "Methane Seeps"

Böning, C.:

- Member, CLIVAR Working Group on Ocean Model Development
- Member, Science Advisory Board of the German Climate Computer Centre (DKRZ)
- Member, Science Steering Committee of the High-Performance Computing Centre (HLRN)

Brandt, P.:

- Co-chair, AMMA International, Task Team 6: Oceanic campaigns
- Chair, CLIVAR-TACE observations working-group
- Member, CLIVAR Atlantic Implementation Panel

Clemmesen, C.:

- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK)
- Member, ICES Working Group on Recruitment Processes

Croot, P.L.:

- Member, International GEOTRACES Standards and Inter calibration Committee
- Member, EU COST Workgroup Action 735: Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases.
- Member, QUEST Working group: Dust record on Glacial-Interglacial Timescales

Dullo, W.-Chr.:

- 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, Scientific Advisory Board, „For-

schungsdialog: System Erde", Leibniz Institut für Pädagogik der Naturwissenschaften Kiel

- Member, Award Committee for Humboldt- and Wilhelm Bessel Research Awards, Alexander von Humboldt Foundation
- Member, Committee for Scientific Libraries and Information Systems, DFG
- Chair, Bildungsstiftung Schleswig-Holstein

Eisenhauer, A.:

- Member DMG, Leiter der Sektion Geochemie 2007

Frank, M.:

- Member, International Steering Committee, GEOTRACES programme
- Member, Beirat Kölner Hochleistungs-Beschleuniger-Massenspektrometer, DFG
- Member, Management Committee of COST Action ES0801 (Ocean Chemistry)

Flüh, E.:

- Member, SONNE Review Panel (BMBF)

Froese, R.:

- Coordinator, FishBase Consortium
- Coordinator, AquaMaps Consortium

Greatbatch, R.:

- Member, CLIVAR Working Group for Ocean Model Development

Hanel, R.:

- Permanent member of the referee board of the German Academic Exchange Service (DAAD)
- German representative, ICES Mariculture Committee
- Member, ICES Working Group on Application of Genetics in Fisheries and Mariculture
- Member, ICES/EIFAC Working Group on Eels
- Member, ICES Working Group on Marine Fish Welfare

- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK)

Herzig, P.M.:

- Maritime Coordinator of the State of Schleswig-Holstein
- Maritime Ambassador of the European Commission
- Member, "Senat und Hauptausschuss", Deutsche Forschungsgemeinschaft
- Member, Senate Commission on Geosciences, Deutsche Forschungsgemeinschaft
- Member, Executive Board, Leibniz Association, Berlin
- Chair, Section „Environmental Research“ of the Leibniz Association (WGL)
- Elected Reviewer, Deutsche Forschungsgemeinschaft
- Advisor, United Nations International Seabed Authority
- Member, Board of Governors, Alfred Wegener Institut für Polar- und Meeresforschung, Bremerhaven

Hinrichsen, H.-H.:

- Member, ICES Working Group on Modelling of Physical/Biological Interactions

Hoppe, H.-G.:

- Vereinigung für Allgemeine und Angewandte Mikrobiologie: Arbeitsgruppe Wasser/Abwasser

Imhoff, J.F.:

- Chairman, ICBS Subcommittee on the Taxonomy of Phototrophic Bacteria
- Scientific steering committee of the International Symposium of Phototrophic Bacteria

LaRoche, J.:

- Dust Theme leader, BMBF Coordinated Project Surface Ocean Processes in the Anthropocene (SOPRAN)

- Member, KDM Initiative for marine Genomics

Kassens, H.:

- Director, Otto Schmidt Laboratory for Polar and Marine Research, St. Petersburg.
- Chair, Working group "Arctic Shelf Seas" of ICARP II (International Conference on Arctic Research Planning).
- Chair, Master Programme for Applied Marine and Polar Sciences (POMOR).
- Chair, AOSB Programme New Research Generation (NRG).
- Member, ICARP II Marine Roundtable
- Member, International Ocean Drilling Programme (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.
- Member, Wissenschaftlicher Beirat der Deutschen Gesellschaft für Polarforschung.

Körtzinger, A.:

- Member, Senate Commission for Oceanography of the German Research Foundation
- Member, IMBER Scientific Steering Committee
- Co-chair, Joint IMBER/SOLAS Carbon Group
- Member, CLIVAR Atlantic Panel
- Member, IOCCP Scientific Steering Committee

- Vorstand CAU, Kiel Netzwerk "The Future Ocean"

Krastel-Gudegast, S.:

- Member, Scientific Technology Panel, IODP.

Latif, M.:

- Ordentliches Mitglied, Akademie der Wissenschaften in Hamburg

Lehmann, A.:

- Member, Scientific Advisory Board, Deutsches Meeresmuseum Stralsund
- Member, BALTEX Scientific Steering Group

Macke, A.:

- Vorsitzender des ZV Hamburg der Deutschen Meteorologischen Gesellschaft
- Member, Scientific Advisory Board of the German Weather Service
- Member, Meteosat Third Generation Mission Team

Nürnberg, D.:

- Scientific peer-reviewer, European Science Foundation

Oschlies, A.:

- Member, SCOR GEOTRACES Planning Group

Quack, B.:

- Member, EU COST Workgroup Action 735: Tools for Assessing Global Air-Sea Fluxes of Climate and Air Pollution Relevant Gases
- Member, Thesis committee Stefan Raimund, Centre National de la Recherche Scientifique, Roscoff, France

Piatkowski, U.:

- German representative, ICES Living Resources Committee
- Member, ICES Working Group on Cephalopod Life Cycles and Fisheries
- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK)

- Member, Scientific Steering Committee, Census of Marine Life (CoML) pilot project: Patterns and processes of the ecosystems of the northern mid-Atlantic (MAR-ECO)
- Member, Scientific Advisory Board of the Annette-Barthelt-Foundation
- Member, Cephalopod International Advisory Council (CIAC)

Riebesell, U.:

- Chair, IOC working group for preparing a Guide for Best Practices in Ocean Acidification Research
- Coordinator, German coordinated project proposal on Biological Impacts of Ocean Acidification (BIOACID)
- Deputy coordinator, European Project on Ocean Acidification (EPOCA)
- Member, Natural 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 for Chinese project Carbon cycling in China Seas – budget, controls and ocean acidification (CHOICE-C)
- Member, UNESCO-IOC consultative group on Ocean Iron Fertilization
- Theme leader, BMBF Coordinated Project Surface Ocean Processes in the Anthropocene (SOPRAN)
- Biogeosciences (Co-editor)

Rumohr, H.:

- Chair, ICES Benthos Ecology Working Group (BEWG)
- Member, ICES Marine Habitat Committee

- Member, ICES Study Group Environmental Health (SGEH)
- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).

Schmidt, J.O.:

- Member, ICES Working Group on Zooplankton Ecology
- ICES WGZE: Working group on zooplankton ecology
- ICES PHERS: Planning group for herring surveys
- ICES HAWG: Herring assessment working group for the area south of 62°N

Schnack, D.:

- Chair, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK)
- Member, ICES, Council of national delegates
- Member, ICES Planning Group for Herring Surveys in the North Sea
- Member, ICES Publication Committee
- Member, Scientific Advisory Board, Deutscher Fischereiverband

Schönfeld, J.:

- Sekretär, Subkommission für Kreide-Stratigraphie
- Ordentliches Mitglied, Subkommission für Kreide-Stratigraphie

Spielhagen, R.F.:

- Member, Steering Committee, Climate of the Arctic and its Role for Europe (CARE) (EU-SSA)
- Member, German Steering Committee, Arctic Paleoclimate and its Extremes (APEX) (IASC Project)

Sommer, U.:

- Chair, Board of Trustees of the Max-Planck-Institute for Evolutionary Biology, Plön

Tanhua, T.:

- Member, Global Ocean Ship-based Hydrographic Investigations Panel (GO-SHIP)
- Member, CLIVAR Global Synthesis and Observation Panel (GSOP)
- Chair: Carbon in the North Atlantic (CARINA) North Atlantic group.
- Member: The International Ocean Carbon Coordination Project (IOCCP) SSG.
- Earth System Science Data (Guest-editor)

Thetmeyer, H.:

- Member, ICES Working Group on Environmental Interactions of Aquaculture (WGEIM)

Visbeck, M.:

- Co-chair, International CLIVAR Scientific Steering Group
- IOC working group Advisory Body of Experts on the Law of the Sea
- Member RAPID Steering Group (NERC, UK)
- Member in GEO (Group on Earth Observations) science and technology
- Member, NOAA-OAR/OGP Climate observing system council
- Member, ICES Hydrography-Committee
- Member, Senatskommission für Ozeanographie der DFG
- Member, DFG Fachkommission für Atmosphären-/Meeresforschung
- Member, Steuergruppe „Mittelgroße Forschungsschiffe“
- Member, Steuergruppe BMBF Verbundprojekt „ATLANTISCHER OZEAN“
- Speaker, Kiel Cluster of Excellence „The Future Ocean“
- Member, Science and Innovation Strategic Board (NERC, UK)
- Chair, programme committee, and German national representative for third World Climate Conference WCC-3 (WMO)

Voigt, S.:

- Chair, Sub-commission on Cretaceous Stratigraphy, Germany

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, Wilhelms-haven

Wallace, D.W.R.:

- Chair, International SOLAS programme (IGBP, WCRP, SCOR, CACGP)
- 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
- Speaker SFB 754
- Coordinator, TENATSO (EU Specific Support Action)
- Coordinator SOPRAN Project (Surface Ocean Processes in the Anthropocene) National Co-ordinated Project (BMBF)
- Core Theme Leader and Steering Committee Member, CARBOOCEAN EU Integrated Project
- Co-Theme Leader "Future Ocean" Excellence Cluster Initiative, University of Kiel

- Member Steering Committee, UK SOLAS Thematic Programme (NERC), UK

Waller, U.:

- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK)

Wegner, C.:

- Member, Program Management Committee (PMC) of the New Research Generation (NRG) project (AOSB initiative)
- Chair, ICARP II Marine Round Table
- Member, OMAE Scientific Committee – Coastal Engineering

Weinrebe, W.:

- Member of the Advisory Board, German Hydrographic Society (DHYG)

Zumholz, K.:

- Member, ICES Working Group on Cephalopod Life Cycles and Fisheries

7.6 Editorial Boards

Bauch, H.A.:

- Quaternary Science Reviews, Associate Editor (Paleoceanography)

Behrmann, J.H.:

- Member, Scientific Drilling (Editorial Board)
- Member, International Journal of Earth Sciences (Editorial Board)
- Member, Journal of Geological Research, (Editorial Board)

Böning, C.:

- Ocean Modelling (Editorial Board)

Devey, C.W.:

- Journal of Petrology (Editor)

Dullo, W.-Chr.:

- International Journal of Earth Sciences, IJES, Editor in Chief
- Marine Ecology, Associate Editor
- Facies, Associate Editor

Eisenhauer, A.:

- Chemical Geology (Editorial Board).

Froese, R.:

- Acta Ichthyologica et Piscatoria (Editorial Board)
- Journal of Applied Ichthyology (Editorial Board)

Gocke, K.:

- Anales del Instituto de Investigaciones Marinas de Punta de Betin, Columbia (Editorial Advisor)
- Anales del Instituto de Ciencias del Mar y Limnologia, Mexiko, (Editorial Advisor)
- Revista de Biologica Tropical, Costa Rica, (Editorial Advisor)

Greatbatch, R.:

- Ocean Dynamics (Associate Editor)

Hanel, R.:

- Endangered Species Research (Review Editor)

Hoernle, K.A.:

- Member, International Journal of Earth Sciences
- Editor (Theme), Geochemistry, Geophysics, Geosystems (G-cubed)

Hoppe, H.-G.:

- Aquatic Microbial Ecology, Germany, (Review Editor)
- The Journal of Microbiology, Korea, (Advisory Board)

Imhoff, J.F.:

- International Microbiology, (Editorial Board)

Karstensen, J.:

- Progress in Oceanography, Guest Editor
- Journal of Operational Oceanography, Editorial Board

Lehmann, A.:

- Oceanological and Hydrobiological Studies, Editorial Board

Macke, A.:

- Atmospheric Research, Associate Editor
- Atmospheric Measurement Techniques (Associate Editor)
- Meteorologische Zeitschrift, Advisory Board

Matthiessen, B.:

- Redaktionsassistentin Marine Biology, Springer

Oschlies, A.:

- Ocean Dynamics (Editorial Board)
- Ocean Modelling (Editorial Board)

Piatkowski, U.:

- Aquatic Biology (Review Editor)
- Endangered Species Research (Review Editor).

Riebesell, U.:

- Biogeosciences (Co-Editor)

Schnack, D.:

- Journal of Applied Ichthyology (Editor).

Spielhagen, R.F.:

- Polar Research, Geosciences Subject Editor

Sommer, S.:

- Marine Ecology (Editorial Board).

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).
- Editor-in-Chief, Marine Biology, Springer

Tanhua, T.:

- Earth System Science Data (Guest-editor)

Voigt, S.:

- Newsletters in Stratigraphy, Associate Editor

Wahl, M.:

- Marine Biology (Regional Editor)

7.7 Honors and Awards

Hu, M.Y.:

- Annette Barthelt-Preis für Meeresforschung, Annette Barthelt-Stiftung.

Krug, S.:

- „Best student poster award“ Conference “Ocean in a High CO₂ World II” in Monaco.

Werner, K.:

- Poster award: IMPETUS Workshop in St. Petersburg, Russia.

Hieronimi, M.:

- Poster award: IMPETUS Workshop in St. Petersburg, Russia.

IFM-GEOMAR / Deutsche Bank Publications Award 2008

- Dr. Noel Keenlyside (FB1)
- Dr. Jan Fietzke (FB2)
- Juan Carlos Molinero (FB3)
- Dr. Steffen Kutterolf (FB4)
- Dr. Maxim Portnyagin (SFB 574).

7.8 Patents

Imhoff, J.F., Yu, Z., Lang, G., **Wiese, J.,** Klose, S. and H. Kalthoff. Herstellung und Verwendung antitumoraler Cyclodepsipeptide. 18.01.2008, no. DE 10 2008 005 097.0.

8. Teaching Courses

8.1 External teaching courses

Dullo, W.-Chr.: Hydrocarbon Exploration. Staatliche Universität St. Petersburg, Russia, 14.-23.05.2008.

Greatbatch, R.J.: Wind-driven Ocean Circulation, School of Atmospheric Sciences, Nanjing University, China, 17.03.-21.03.2008.

Körtzinger, A. and W. Koeve: "Die Ozeane im Zeitalter des globalen Klimawandels - eine Betrachtung aus biogeochemischer Perspektive", Sommerakademie der Studienstiftung des deutschen Volkes, Guidel, France, 08.-19.09.2008.

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 2007/2008

Physical Oceanography (Diploma)

Advanced Climate Seminar „The North Atlantic Oscillation“ 2 SWS;	Dommenget, D., Eden, C., Greatbatch, R., Krüger, K.
Einführung in die Theoretische Ozeanographie und Meteorologie I: Hydrodynamik, 2 SWS;	Greatbatch, R.
Übungen zur Vorlesung: Einführung in die Theoretische Ozeanographie und Meteorologie I: Hydrodynamik, 2 SWS;	Eden, C.
Advanced Physical Oceanography: Thermohaline Circulation 2 SWS	Brandt, P.
Numerical Methods and Models (Einführung in die Theoretische Ozeanographie und Meteorologie III: Numerische Methoden in Zirkulationsmodellen), 2 SWS	Böning, C.
Numerical Methods and Models, 2 SWS	Biastoch, A.
FB1-Seminar	Böning, C., Dullo, W.-Ch., Eden, C., Frank, M., Latif, M., Macke, A., Nürnberg, D., Visbeck, M.
Modern Aspects in Oceanography I 2 SWS	Eden, C.
Modern Aspects in Oceanography I 1 SWS	Visbeck, M.
Seminar für Diplomanden der Physikalischen Ozeanographie 2-std.	Böning, C., Visbeck, M., Brandt, P.

Seminar für Doktoranden der Physikalischen Ozeanographie 2-std
 Übung zur Vorlesung Advanced Physical Oceanography: Thermohaline Circulation 1 SWS
 Meereswissenschaftliches Kolloquium

Böning, C. , Visbeck, M., Brandt, P.
 Dengler, M.
 Professoren und Dozenten des IFM-GEOMAR

Meteorology

Climate Dynamics, V; 2 SWS
 Climate Dynamics, UE; 1 SWS;
 Einführung in die Theoretische Ozeanographie und Meteorologie I: Hydrodynamik, V; 2 SWS;
 Übungen zur Vorlesung: Einführung in die Theoretische Ozeanographie und Meteorologie I:
 Hydrodynamik, UE; 2 SWS
 Numerical Methods and Modells (Einführung in die Theoretische Ozeanographie und Meteorologie III:
 Numerische Methoden in Zirkulationsmodellen), V; 2 SWS
 Numerical Methods and Models, UE; 2 SWS
 Cloud Physics, V; 2 SWS
 Cloud Physics, UE; 1 SWS
 Advanced Climate Seminar „The North Atlantic Oscillation“, S; 2 SWS
 FB1-Seminar, S

 Seminar für Diplomanden der Meteorologie, S; 2 SWS
 Seminar „Wetteranalyse und -prognose“, S; 1 SWS
 Anleitung zum wiss. Arbeiten: „Ozean Atmosphären Wechselwirkung“, AW; 2 SWS
 Anleitung zum wiss. Arbeiten: „Strahlungstransport und Fernerkundung“, AW; 2 SWS
 Übung zu „Wetteranalyse und -prognose“, UE; 3 SWS
 Meereswissenschaftliches Kolloquium, KO

Latif, M.
 Dommengeset, D.
 Greatbatch, R.
 Eden, C.

 Böning, C.

 Biastoch, A.
 Macke, A.
 Macke, A.
 Dommengeset, D., Eden, C., Greatbatch, R., Krüger, K.
 Böning, C., Dullo, W.-Ch., Eden, C., Frank, M.,
 Latif, M., Macke, A., Nürnberg, D., Visbeck, M.
 Macke, A., Dommengeset, D., Krüger, K., Latif, M.
 Bumke, K., Martin, Th.
 Dommengeset, D.
 Macke, A.
 Bumke, K., Martin, Th.
 Professoren und Dozenten des IFM-GEOMAR

Marine Chemistry

Anleitung zum selbständigen wissenschaftlichen Arbeiten

Allgemeine Meereschemie I, V; 2 SWS

Übungen zur Vorlesung Allgemeine Meereschemie I, UE; 1 SWS

Klimarelevante Spurengase im Ozean, V; 2 SWS

Biogeochemie ausgewählter Meeresgebiete, V; 2 SWS

Marine Photochemistry V; 1 SWS

Graduierten-Seminar (Meereskunde), S

Meereschemisches Praktikum II und Seminar, P/SEM; 4 SWS

Phytoplankton: from genome to ecology, V; 2 SWS

Meereswissenschaftliches Kolloquium, KO

Körtzinger, A.

Wallace, D.W.R.

Wallace, D.W.R., Bange, H.

Bange, H.

Körtzinger, A.

Croot, P.

Studenten der Meereskunde

Croot, P., Körtzinger, A., Eisenhauer, A.

LaRoche, J., Croot, P.

Professoren und Dozenten des IFM-GEOMAR

Biological Oceanography (Master)

Introduction to Biological Oceanography (MNF-bioc-101), V; 3 SWS

Current Topics in Marine Biogeochemistry II (MNF-bioc-331), V/UE; 3 SWS

Current Topics in Marine Biogeochemistry II (MNF-bioc-331), S; 2 SWS

Doing Science (MNF-bioc-110), V; 1 SWS

Doing Science (MNF-bioc-110), UE; 2 SWS

Introduction to Chemical Oceanography (MNF-choc-101), V; 2 SWS

Introduction to Chemical Oceanography (MNF-choc-101), UE; 1 SWS

ISOS Lecture Series „The Future Ocean“ (MNF-bioc-301), RV; 1 SWS

Marine Animal Physiology (MNF-bioc-355), V; 1 SWS

Imhoff, J.F., Riebesell, U., Sommer, U., Wahl, M.
LaRoche, J., Sommer, F., Garthe, S., Aberle, N.
Weinberger, F., Hanel, R., Reijnders, P.

Riebesell, U., Körtzinger, A.

Riebesell, U., Körtzinger, A.

Wahl, M., Wallace, D.W.R., Antia, A., Lenz, M., Sommer, F., Körtzinger, A., Werner, I.

Wahl, M., Wallace, D.W.R., Antia, A., Lenz, M., Sommer, F., Körtzinger, A., Werner, I.

Wallace, D.W.R.

Wallace, D.W.R., Croot, P.

Antia, A.

Melzner, F.

Appendices

Practical Course in Biological Oceanography (MNF-bioc-102)
UE; 1 SWS

Practical Course in Biological Oceanography, Master (MNF-bioc-102)
P; 12 SWS

Practical Course in Biological Oceanography, Diplom (MNF-bioc-102)
P; 12 SWS

Übungen in Biologischer Meereskunde - Nebenfach Diplom (angelehnt an MNF-bioc-101), V; 1 SWS

Biodiversity of Fishes (MNF-bioc-151), V/UE; 2 SWS

Current Topics in Benthic Ecology (MNF-bioc-333), S; 2 SWS

Current Topics in Marine Ecology II (MNF-bioc 332)
S; 2 SWS; Mo, 15:00 - 17:00, DW20 - R.B106 [kl. Prakt.R. (Westufer)]; ab 5.11.2007

Current Topics in Marine Ecology II (MNF-bioc-332), V/UE; 3 SWS

Fish Systematic, Biology and Evolution (MNF-bioc-152), V; 1 SWS

Funktionsmorphologie und Ökologie mariner Wirbelloser., S; 1 SWS

Biogeochemische Modellierung, V/UE; 2 SWS

ISOS Lecture Series „The Future Ocean“ (MNF-bioc-301), 1 SWS

Meereschemisches Praktikum I mit Seminar, P/SEM; 4 SWS

Phytoplankton: from genome to ecology, V; 2 SWS

Seminar Biogeochemische Modellierung, S; 2 SWS

Angewandte Biostatistik, S; 1 SWS

Experimentelle Ökologie A: Vom Modell zum Versuch, S; 15 SWS

Piatkowski, U., Sommer, U., Wahl, M., Rumohr, H.,
Spindler, M., Schiel, S., Reijnders, P., Antia, A., Ha-
nel, R., Voss, R., Peeken, I., von Bröckel, K., Os-
chlies, A.

Piatkowski, U., Sommer, U., Wahl, M., Rumohr, H.,
Sommer, F., Spindler, M., Schiel, S., Reijnders, P.,
Antia, A., Hanel, R., Voss, R., Peeken, I., von Bröck-
el, K., Oschlies, A.

Piatkowski, U., Sommer, U., Wahl, M., Rumohr, H.,
Spindler, M., Schiel, S., Reijnders, P., Antia, A.,
Hanel, R., Voss, R., Peeken, I., von Bröckel, K., Os-
chlies, A.

Wahl, M., Imhoff, J.F., Riebesell, U., Sommer, F.,
Sommer, U., LaRoche, J.

Froese, R.

Wahl, M.

Sommer, U.

Sommer, F., Javidpour, J., Matthiessen, B., Moline-
ro, J.C., Sandow, M.

Hanel, R.

Wahl, M.

Oschlies, A., Pahlow, M.

Antia, A.

Körtzinger, A., Wallace, D.W.R.

LaRoche, J., Croot, P.

Oschlies, A.

Lenz, M.

Lenz, M., Wahl, M.

Experimentelle Ökologie B: Vom Versuch zur Präsentation, UE; 4 SWS

Lenz, M., Wahl, M.

Seminar der Marinen Mikrobiologie, S; 2 SWS

Imhoff, J.F.

Seminar für Diplomanden und Doktoranden, S; 2 SWS

Imhoff, J.F.

Geosciences (only courses with IFM-GEOMAR staff are listed)

Geowissenschaften (Bachelor of Science)

Einführung in die Methoden der Stratigraphie (Modul MNF-geow-1), V; 1 SWS

Dullo, W.-Ch., Nürnberg, D.

Kartenkunde (Modul MNF-geow-5), UE; 2 SWS

Nürnberg, D., Blanz, Th.

Allgemeine Geowissenschaften

Blockkurs Geologische Übungen II (Kartenkunde I), UE; 2 SWS

Devey, C.W.

Einführung in die Geochemie der Gesteine, V; 2 SWS

Hoernle, K.

Geochemie und Petrologie magmatischer Systeme, S; 3 SWS

Hoernle, K.

Geologie Hauptstudium (Diplom)

Allgemeine und Historische Geologie

Einführung in die Paläozooanographie, V; 2 SWS

Schneider, R., Nürnberg, D.

Einführung in die Tektonik: a) Plattentektonik, V; 2 SWS

Behrmann, J.H., Schneider, R.

Gefüge, Petrophysik und Rheologie von Gesteinen, V/UE; 3 SWS

Behrmann, J.H.

Magmatismus der Erde mit mikroskopischen Übungen, V; 3 SWS

Hansteen, Th.

Paläontologie

Blockkurs: Foraminiferen im schleswig-holsteinischen Wattenmeer. KU; 2 SWS

Schönfeld, J., Kuhnt, W.

Petrologie-Geochemie (Geologie)

Petrologie und Hydrothermalismus der Ozeankruste, V/UE; 2 SWS

Devey, C.W., Lackschewitz, K., Petersen, S.

Sedimentologie und Paläozooanographie

Blockkurs: Foraminiferen im schleswig-holsteinischen Wattenmeer, KU; 2 SWS

Schönfeld, J., Kuhnt, W.

Einführung in die Becken-Modellierung, V/UE; 4 SWS

Einführung in die Erdöl- und Erdgasgeologie, V; 2 SWS

Foraminiferen-Geochemie: Anwendungen für Paläoumwelt-Rekonstruktionen, V; 1 SWS

Grundlagen der Isotopenanalyse und Anwendungen in der Geologie, KU

Seminar: Fortschritte der Karbonatsedimentologie für Diplomanden und Doktoranden, S; 2 SWS

Seminar: Isotopengeochemie von Spurenmetallen im Meerwasser, S; 2 SWS

Einführung in die Paläoklimamodellierung, V/UE; 2 SWS

Forschungs-Seminar: Aktuelle Themen in der Paläoklimaforschung, S; 2 SWS

Marine Umweltgeologie

Einführung in die marine Geochemie I, V; 2 SWS

Literatur-Seminar: Marine Umweltgeologie, HS; 2 SWS

Marine-Isotopen Systeme, V/UE

Geophysik Hauptstudium (Diplom)

Allgemeine Geophysik

Seismische Herdbestimmung, V; 2 SWS

Mineralogie Hauptstudium (Diplom)

Petrologie-Geochemie (Mineralogie)

Schmelzeinschlüsse in magmatischen Mineralen, S

Rüpke, L.

Dullo, W.-Ch.

Nürnberg, D.

Eisenhauer, A., Frank, M.

Dullo, W.-Ch., Frank, M.

Frank, M., Eisenhauer, A.

Flögel, S., Dullo, W.-Ch., Schneider, R.

Schneider, R., Nürnberg, D., Weinelt, M.

Wallmann, K.

Eisenhauer, A., Frank, M., Wallmann, K.

Eisenhauer, A.

Grevemeyer, I.

Hansteen, Th.

S U M M E R - T E R M 2008

Physical Oceanography

Angewandte Programmier Übungen UNIX/Fortran/Matlab (für Haupt- und Nebenfächler), UE; 2 SWS;
FB1-Seminar, S

Meereswissenschaftliches Kolloquium, KO

Proseminar zum Praktikum der Physikalischen Ozeanographie (für Hauptfächler), PS; 1 SWS

Oz.-Met. Climate Seminar, S; 2 SWS

Praktikum der Physikalischen Ozeanographie (für Hauptfächler), P; 2 SWS

Angewandte Programmier Übungen UNIX/Fortran/Matlab (für Haupt- und Nebenfächler). UE; 2 SWS

Seminar für Diplomanden der Physikalischen Ozeanographie, S; 2-std.

Seminar für Doktoranden der Physikalischen Ozeanographie, S; 2-std.

Biogeochemical Cycles and Earth System Science, V; 2 SWS

Biological Modelling and Biostatistics MNF-bioc-220, V/UE; 6 SWS

Seminar Biogeochemische Modellierung, S; 2 SWS

Brandt, P., Dommenges, D., Eden, C.

Böning, C., Dullo, W.-Ch., Eden, C., Frank, M.,
Latif, M., Macke, A., Nürnberg, D., Visbeck, M.,
Brandt, P.

Professoren und Dozenten des IFM-GEOMAR

Karstensen, J.

Böning, C., Latif, M.

Karstensen, J.

Brandt, P., Dommenges, D., Eden, C.

Böning, C., Visbeck, M., Greatbatch, R., Brandt, P.

Böning, C., Visbeck, M., Brandt, P., Greatbatch, R.

Oschlies, A., Wirtz, K.W., Merico, A., Lemmen, C.

Oschlies, A., Lenz, M.

Oschlies, A.

Meteorology

Data Analysis, V; 2 SWS

Data Analysis, UE; 2 SWS

Modern Aspects in Meteorology: Die Brewer-Dobson Zirkulation: dynamische und chemische Aspekte,
V/UE; 3 SWS

FB1-Seminar, S

Seminar für Diplomanden der Meteorologie, S; 2 SWS

Dommenges, D.

Dommenges, D.

Krüger, K.

Böning, C., Dullo, W.-Ch., Eden, C., Frank, M.,
Latif, M., Macke, A., Nürnberg, D., Visbeck, M.,
Brandt, P.

Macke, A., Dommenges, D., Krüger, K., Latif, M.

Appendices

Seminar „Wetteranalyse und -prognose“, S; 1 SWS
Meereswissenschaftliches Kolloquium, KO
Meteorologisches Fortgeschrittenenpraktikum, P; 10 SWS
Oz.-Met. Climate Seminar, S; 2 SWS
Radiation, V; 3 SWS
Radiation, UE; 2 SWS
Übung zu „Wetteranalyse und -prognose“, UE; 3 SWS

Bumke, K., Martin, Th., Macke, A.
Professoren und Dozenten des IFM-GEOMAR
Bumke, K., Macke, A.
Böning, C., Latif, M.
Macke, A.
Macke, A.
Bumke, K., Martin, Th.
Macke, A.

Marine Chemistry

Allgemeine Meereschemie II, V; 2 SWS
Übungen zur Vorlesung Allgemeine Meereschemie II, UE; 1 SWS
Biogeochemical Cycles and Earth System Science, V; 2 SWS

Biological Modelling and Biostatistics MNF-bioc-220, V/UE; 6 SWS
Aktuelle Themen der Meereschemie, S; 1 SWS
Meereschemisches Praktikum I mit Seminar, P/SEM; 4 SWS
Meereschemisches Praktikum II und Seminar, P/SEM; 4 SWS
Seminar Biogeochemische Modellierung, S; 2 SWS
Anleitung zum selbständigen wissenschaftlichen Arbeiten, AW

Stoffkreisläufe im Meer, V; 1 SWS
Trace Metal Speciation and Bioavailability in the Marine Environment, V; 2 SWS

Wallace, D.W.R.
Wallace, D.W.R.
Oschlies, A., Wirtz, K.W.
Merico, A., Lemmen, C.
Oschlies, A., Lenz, M.
Wallace, D.W.R., Körtzinger, A.
Körtzinger, A., Bange, H.
Croot, P.
Oschlies, A.
Wallace, D.W.R., Körtzinger, A.
Bange, H., Croot, P.
Bange, H.
Croot, P.

Biological Oceanography (Master)

Biogeochemical Cycles and Earth System Science
V; 2 SWS

Biogeochemistry of Marine Sediments I, V; 2 SWS

Biological Modelling and Biostatistics MNF-bioc-220, V/UE; 6 SWS

Current Topics in Marine Biogeochemistry I, V; 2 SWS

Current Topics in Marine Biogeochemistry I, S; 2 SWS

How to write and publish a scientific paper, S; 1 SWS

Marine Animal Physiology II, V; 2 SWS

Marine Animal Physiology II - Fascinating New Research Topics in Marine Animal Physiology, S; 2 SWS

Seminar Biogeochemische Modellierung, S; 2 SWS

Advanced Course in Biological Oceanography MNF-bioc 201 Lecture, V; 3 SWS

Advanced Course in Biological Oceanography MNF-bioc-201 Literature research, UE; 1 SWS

Advanced Course in Biological Oceanography MNF-bioc-201 Practical, P; 15 SWS

Current Topics in Fish Ecology and Aquaculture: Faunistics and Ecology of the Mediterranean Sea MNF-bioc-233, EX

Current Topics in Marine Ecology I (MNF-bioc 232) Seminar, S; 2 SWS

Current Topics in Marine Ecology I (MNF-bioc-232), Vorlesung
V; 3 SWS

Zooplankton Ecology MNF-bioc-265, V; 4,0 SWS

Oschlies, A., Wirtz, K.W.
Merico, A., Lemmen, C.

Treude, T.

Oschlies, A., Lenz, M.

Riebesell, U., Körtzinger, A.

Riebesell, U., Körtzinger, A.

Treude, T.

Melzner, F.

Melzner, F.

Oschlies, A.

Sommer, U., Imhoff, J.F., Riebesell, U., LaRoche, J.
Clemmesen-Bockelmann, C., Weinberger, F., Froese, R., Piepenburg, D., Garthe, S., Siebert, U.,
Wahl, M.

Sommer, F.

Sommer, U., Riebesell, U., Imhoff, J.F., LaRoche, J.
Weinberger, F., Sommer, F., Clemmesen-Bockelmann, C., Froese, R., Wahl, M., Hügler, M., Süling, J.

Hanel, R.

Sommer, U., Wahl, M.

Sommer, F.

Sommer, F., Peeken, I., Schiel, S.

Geosciences (only courses with IFM-GEOMAR staff are listed)

Geowissenschaftliches Grundstudium (Diplom)

Allgemeine Geowissenschaften

Geochemie und Petrologie magmatischer Systeme, S; 3 SWS

Hoernle, K.

Geologie Hauptstudium (Diplom)

Allgemeine und Historische Geologie

Tektonik: Strukturgeologie, V; 2 SWS

Schneider, R., Behrmann, J.H.

Petrologie-Geochemie (Geologie)

Isotopengeochemie und Altersbestimmung, V; 2 SWS

Hoernle, K., van den, Bogaard, P., Halama, R.

Magmatische Prozesse und Plattentektonik, V; 2 SWS

Hoernle, K., Duggen, S.

Sedimentologie und Paläoozeanographie

Die Kreide Mitteleuropas, V; 2 SWS

Schönfeld, J.

Foraminiferen-Geochemie: Anwendungen für Paläoumwelt-Rekonstruktionen, V; 1 SWS

Nürnberg, D.

Isotopenstratigraphie, V/UE; 3 SWS

Frank, M.

Seminar für Diplomanden und Doktoranden: Aktuelle Forschungsergebnisse der marinen Geologie, S; 1 SWS

Frank, M.

Seminar IIIa: Karbonatsedimentologie für Diplomanden und Doktoranden, S; 2 SWS

Dullo, W.-Ch., Frank, M.

Seminar: Isotopengeochemie von Spurenmetallen im Meerwasser (in englischer Sprache), S; 2 SWS

Frank, M., Eisenhauer, A.

Marine Umweltgeologie

Biogeochemistry of Marine Sediments I, V; 2 SWS

Treude, T.

Einführung in die marine Geochemie II, V

Wallmann, K.

Literaturseminar: Marine Umweltgeologie (in engl. Sprache), OS; 2 SWS

Eisenhauer, A., Wallmann, K., Frank, M.

Exkursionen

Geologie der Albula Querzone: Stratigraphie und Tektonik zwischen Unter- und Oberostalpin. Geländeaufnahme, EX

Dullo, W.-Ch.

9. Acronyms

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

Appendices

DON	carbon cycle	FB	Forschungsbereich	Oceanography
DPG	Dissolved organic nitrogen	FEB RAS	Far Eastern Branch of the Russian Academy of Sciences	IAMAP International Association of Meteorology and Atmospheric Physics
DWBC	Differential Pressure Gauge	FEOM	Finite-Elemente Ocean Model	IAMAS International Association of Meteorology and Atmospheric Sciences
DWD	Deep Western Boundary Current	FLAME	Family of Linked Atlantic Model Experiments	IAPSO International Association for the Physical Science of the Oceans
DWK	Deutscher Wetterdienst	FTZ	Forschungs- und Technologiezentrum der CAU, BÜsum	IASC International Arctic Science Committee
DYNAMO	Deutsche Wissenschaftliche Kommission für Meeresforschung	GAME	Global Approach by Modular Experiments	IBM Individual-based models
EARSeL	Dynamics of North Atlantic Models	GBB	Great Bahama Bank	ICARP International Conference on Arctic Research Planning
EAS	European Association of Remote Sensing Laboratories	GBIF	Global Biodiversity Information Facility	ICBM Institut für Chemie und Biologie des Meeres, Universität Oldenburg
EASIZ	European Aquaculture Society	GCMs	General Circulation Models	ICBS International Committee on Systematic Bacteriology
ECCO	Ecology of the Antarctic Sea Ice Zone	GeoB	Institut für Geowissenschaften, Univ. Bremen	ICCM Instituto Canario de Ciencias Marinas, Las Palmas, Spain
ECMWF	Estimating the Circulation of the Ocean	GEWEX	Global Energy and Water Cycle Experiment	ICES International Council for the Exploration of the Seas
ECOSIM	European Centre for Medium Range Weather Forecasts	GfÖ	Gesellschaft für Ökologie	ICHCA International Cargo Handling Co-ordination Association
EEA	Ecosystem Simulation	GFZ	Geoforschungszentrum Potsdam	IEO Instituto Español de Oceanografía
EGU	European Elasmobranch Association	GHSZ	Gas Hydrate Stability Zone German Israel Foundation	IfM Institut für Meereskunde
EIFAC	European Geosciences Union	GITEWS	German-Indonesian Tsunami Early Warning System	IFREMER Institut Français de Recherche pour l'Exploitation de la Mer, Brest, France
ELOISE	European Inland Fisheries Advisory Commission	GKSS	Gesellschaft für Kernenergieverwertung in Schiffbau und Schifffahrt (Forschungszentrum Geesthacht)	IFT Leibniz-Institut für Troposphärenforschung
EMAPS	European Land Ocean Interaction Analysis	GLOBEC	Global Ocean Ecosystems Dynamics	IGBP International Geosphere-Biosphere Programme
EMBS	European Marine and Polar Sciences	GOOS	Global Ocean Observing System	IGOOS IOC-WMO-UNEP Committee for GOOS
ENBI	European Marine Biology Symposium	GPI	Geologisch-Paläontologisches Institut	IHLS International Herring Larvae Survey (ICES)
ERA-40	European Network of Biodiversity Information	GRACE/OBP	Gravity Recovery And Climate Experiment	IMAU Institut für Marine and Atmospheric Research Utrecht, The Netherlands
ESF	ECMWF 40 Year Re-analysis	GSF	Forschungszentrum für Umwelt und Gesundheit (BMBF Projektträger)	IMO International Maritime Organization
ESONET	European Science Foundation	GV	Geologische Vereinigung	INQUA-Morss International Union for Quaternary Research-Morss
ESRIN	European Sea Floor Observatory Network	HELCOM	Helsinki Commission (Baltic Marine Environment Protection Commission)	INTAS International Association (of EU)
ESTEC	European Space Research Institute	HERSUR	Herring Survey Programme (EU)	IOC Intergovernmental Oceanographic Commission
ESTOC	European Space Research and Technology Centre	HYDROARC	Hydrothermale Prozesse an flach-marinen Vulkanen der Bransfield Strasse	IODP Integrated Ocean Drilling Program
ETA AAS	European Station for Time-Series in the Ocean Canary Islands	HYFIFLUX	Hydrothermal fluid development, material balancing and special biological activity in the North Fiji Basin	IOW Institut für Ostseeforschung, Warnemünde
EU	Atomic Absorption Spectroscopy using Electrothermal Atomisation	IABO	International Association for Biological	IPCC Intergovernmental Panel on Climate Change
EUAC	European Union			
EUC	European Union of Aquarium Curators			
EULIT	Equatorial Undercurrent			
EURASLIC	Effects of eutrophicated seawater on rocky shore ecosystems studied in large littoral mesocosms			
	European Association of Aquatic Libraries and Information Centres			

IPIMAR	Instituto de Investigação das Pescas e do Mar, Lisboa	NAC	North Atlantic Current	OPAC	Online Public Access Catalogue
IPRC	International Pacific Research Institute, Honolulu, USA	NADW	North Atlantic Deep Water	ORNL	Oak Ridge National Laboratory, Oak Ridge, USA
IRCCM	International Research Consortium for Continental Margins	NAFO	Northwest Atlantic Fisheries Organization	OSPAR	Convention for the Protection of the Marine Environment of the North-East Atlantic (Oslo-Paris)
IRONAGES	Iron Resources and Oceanic Nutrients-Advancement of Global Environment Simulations	NAO	North Atlantic Oscillation	PAGES/IMAGES	Past Global Changes/International Marine Global Change Studies
ISCCP	International Satellite Cloud Climatology Project	NATO	North Atlantic Treaty Organization	PAH	Polycyclic Aromatic Hydrocarbons
ITCZ	Intertropical Convergence Zone	NBUC	North Brazil Undercurrent	PARS	Precision and accuracy of tools in recruitment studies (Eu-Project)
IUB	International University Bremen	NCAR	National Center for Atmospheric Research, Boulder, USA	PCB	Polychlorinated biphenyl
IUGG	International Union of Geodesy and Geophysics	NCEP	National Center for Environmental Prediction (NOAA)	PDF	Probability Density Function
K.E.R.N.	Techologie Region: Kiel-Eckernförde-Rendsburg-Neumünster e.V.	NEMO	Nucleus for European Modelling of the Ocean	PEP	Pilot Study of Evaporation and Precipitation (BALTEX)
KALMAR	Kurile-Kamchatka and Aleutian Marginal Sea-Island Arc Systems	NERC	National Environmental Research Council	PIK	Potsdam Institute für Klimafolgenforschung, Potsdam
KNMI	Koninklijk Nederlands Meteorologisch Instituut, de Bilt, The Netherlands	NEUC/SEUC	North Equatorial Undercurrent / South Equatorial Undercurrent	POC	Particulate Organic Carbon
LATFRI	Latvian Fisheries Research Institute	NIOZ	Nederlandse Instituut voor Onderzoek der Zee, The Netherlands	POGO	Partnership for Observations of the Global Oceans
LIP	Large Igneous Provinces	NOAA	National Oceanic and Atmospheric Administration	POLMARF	Polish Marine Fishery Science Center
LOICZ	Land Ocean Interactions in the Coastal Zone (IGBP component)	NOAA-AOML	National Oceanic and Atmospheric Administration – Atlantic Oceanographic and Meteorological Laboratory, Miami, USA	PON	Particulate Organic Nitrogen
LSW	Labrador Sea Water	NOCS	National Oceanography Centre, Southampton, UK	PR	Public Relations
MACOM	Maternal effects on Atlantic cod recruitment and implications for management strategies (EU Project)	NOCES	Northern Ocean-Atmosphere Carbon Exchange Study	PTJ	Projektträger Jülich (BMBF)
MAR	Mid Atlantic Ridge	NOW	Nederlandse Organisatie voor Wetenschappelijk Onderzoek	RAS	Russian Academy of Sciences
MAR-ECO	Project Patterns and Processes of the Ecosystem of the Northern Mid-Atlantic	NSERC	National Science and Engineering Research Council (CDN)	RD	Research Division
MARBEF	Marine Biodiversity and Ecosystem Functioning EU Network of Excellence	NSF	National Science Foundation, USA	RECONN	Resolving Trophodynamic Consequences of Climate Change
MARE	Marine Artificial Recirculated Ecosystem	OBH	Ocean Bottom Hydrophones	RIVO	Nederlands Instituut voor Visserijonderzoek, IJmuiden, The Netherlands
MATER	Mediterranean Targeted Project-Mass Transfer and Ecosystem Response	OBIS	Ocean Biogeographic Information System	ROV	Remotely Operated Vehicle
MOC	Meridional Overturning Circulation	OBS	Ocean-Bottom-Seismometers	RSMAS	Rosenstiel School of Marine and Atmospheric Sciences, Miami, USA
MOVE	Meridional Overturning Variability Experiment	OBU	Ocean-Bottom-Unit	SAB	Scientific Advisory Board
MPIfM	Max-Planck Institut für Meteorologie	OCTOPUS	Ocean Tomography Operational Package and Utilization Support	SAGA	South African Geophysical Association
MRI	Marine Research Institute, Reykjavik, Iceland	OMAE	Offshore Mechanics and Arctic Engineering	SAP	Sustainable Fisheries: Assessment and Prediction (EU project)
MSG-IR	Meteosat Second Generation-Infrared	OMAE	Offshore Mechanics and Arctic Engineering	SCAR	Scientific Committee on Antarctic Research
		OMEX	Ocean Margin Exchange	SCOR	Scientific Committee on Oceanic Research
				SDN	Schutzgemeinschaft Deutsche Nordseeküste
				SETAC	Society of Environmental Toxicology and Chemistry

Appendices

SFB	Sonderforschungsbereich (Collaborative Research Center)	WGNE	Wilhelm Leibniz Working Group on Numerical Experimentation
SGMSNS	Study Group on Multispecies Assessments in the North Sea	WGOMD	Working Group on Ocean Model Development
SIL	Societas Internationalis Limnologiae	WGSF	Working Group on Surface Fluxes
SIO	Scripps Institution of Oceanography, La Jolla, USA	WHOI	Woods Hole Oceanographic Institution, Woods Hole, USA
SMHI	Swedish Meteorological and Hydrological Institute	WMO	World Meteorological Organization
SODA	Simple Ocean Data Assimilation	WOCE	World Ocean Circulation Experiment
SOIREE	Southern Ocean Iron RElease Experiment	WTZ	Wissenschaftlich-Technische Zusammenarbeit (BMBF)
SOLAS	Surface Ocean Lower Atmosphere Study	XBT	Expendable Bathythermograph
SOMARE	Sampling, Observations & Modelling of Atlantic Regional Ecosystems	ZMK	Zentrum für Meeres- und Klimaforschung der Universität Hamburg
SOPRAN	Surface Ocean Processes in the Anthropocene	ZUFO	Zentrum für Umweltforschung
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 km ³ /s)		
TACE/PIRATA	Tropical Atlantic Climate Experiment		
TAR	Third Assessment Report (IPCC)		
TAV	Tropical Atlantic Variability		
TEWS	Tsunamis Early Warning System		
THZ	Thermohaline Zirkulation?		
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		