



Newsletter for PhDs in Marine Sciences

No. 3 // January 2016

Dear all,

We wish you all a successful and exciting 2016!
It was great to see so many of you during the PhD plenary!
- read more about it in this issue.

Wow, we've got a lot of input from you since the last newsletter: two miniproposals have been completed, an interesting summer school has been attended and pupils have been taught ocean acidification. Keep it up!

Enjoy this newsletter!

Best wishes,
Wiebke, the DokTeam and the ISOS Reps

Communication channels

It's great to see that many of you use the newsletter and the mailing list to report on their activities and to announce different events! Keep it up :-)

mailing list "phd-news":

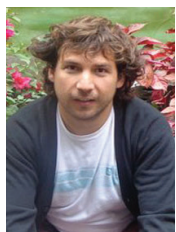
Information of general interest for the PhD community (e.g. job advertisements, summer schools and conferences) are shared.

More information on how to subscribe: http://www.futureocean.org/en/isos/PhD_life_in_Kiel/phd_news_mailinglist.php



// Have you met:

Ignacio Sottorff



Ignacio works in the lab of Prof. Johannes Imhoff (GEOMAR) on the topic "Marine bacteria as a source of novel bioactive compounds". In his free time he enjoys the ocean view, hiking and travelling. He is most excited about the opportunity to design own experiments to develop new methods and techniques.

isottorff@geomar.de



Jaw Chuen Yong

JC's PhD project deals with biogeochemical effects of marine aerosols in the lab of Prof. Eric Achterberg (GEOMAR). He is excited to learn new research skills during his PhD and is keen to get to know people from different research groups.

jyong@geomar.de

ACADEMIC DRESS CODE



"Piled Higher and Deeper" by Jorge Cham www.phdcomics.com

New Alumni: Congratulations!

Yong Zhang (GEOMAR - Biological Oceanography)
Johanna Maltby (GEOMAR - Biogeosciences)
Steffen Fuhlbrügge (GEOMAR - Meteorology)
Damian Arévalo Martínez (GEOMAR - Chemical Oceanography)
Edmund Meredith (GEOMAR - Meteorology)
Daroonwan Schwarz (CAU - Geosciences)
Esther Rickert (GEOMAR - Marine Ecology)
Alexandra Marki (GEOMAR - Marine Biogeochemical Modelling)
Allanah Paul (GEOMAR - Biological Oceanography)
Guidi Zhou (GEOMAR - Meteorology)

// PhD activities

PhD Plenary

contact: Wiebke Basse; ISOS (wbasse@uv.uni-kiel.de)

Which graduate programmes are around and which conceptual changes are discussed? These questions took centre stage during the 3rd PhD Plenary. More than 70 PhD candidates and supervisors came together to this event. Invited speakers were Prof Peter Herzig and Dr Astrid Klingen (both GEOMAR), Prof Ralph Schneider (KMS and CAU), Prof Martin Quaas (Graduate Center, CAU Kiel), Prof Ruth Schmitz-Streit (speaker of ISOS) as well as PhD representatives from ISOS and GEOMAR. All invited representatives emphasised that the participation in discussion and thoughts from PhD candidates are of high importance, welcome and recognised by the executives. Furthermore, it was emphasised that such contribution means to shape the development of marine sciences in Kiel, the

development of PhD education and the future of each PhD candidate.

During the plenary there were lively discussions and participants highlighted how important raising different topics were for them.

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Summer School "Facing Natural Hazards"

contact: Christina Bonanati; PhD candidate
(cbonanati@geomar.de)

The tsunami 2004 in the Indian Ocean, earthquakes in Haiti (2010) and Nepal (2015), or volcanic eruptions on the Cape Verdes (2014) demonstrated how risk mitigation could have saved lives and reduced economic damage. Each year, 250 Million people are affected by natural phenomena, challenging disaster response and recovery capacities worldwide. It is striking that 97 % of all deaths occur in developing countries.

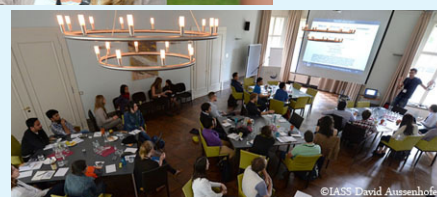
Reason enough for 40 young people from 28 countries to gather at the Summer School "Facing Natural Hazards", held in Potsdam from September 13th to 23rd, jointly organized by the Potsdam Earth Science and Climate Research institutions. Scientific colleagues in different phases of their career from academic institutions of various disciplines of natural and social sciences and experts with practical experience discussed and were trained in the political and social engagement for mitigation of ecological and socio-economic consequences of natural hazards. Being highly dedicated they inspired each other. Especially the participants from lower income countries, who have fewer opportunities for such high-level education, expressed their benefit. The Summer School was well organized with a good

balance of talks, workshops, and time to exchange with the participants and speakers.

The quintessence:

- A natural phenomenon only becomes a risk if people are exposed to it.
- Unlike hazards of geophysical perils, some, especially weather related, natural phenomena are influenced by human behavior (e.g. climate change or intervention in geomorphology).
- Fatalities and economic loss could be minor, given the scientific knowledge and available modern techniques (earthquake save building, protection measures, early warning systems), but political structures don't allow their implementation.

Disaster risk reduction and build-up of resilience is an integral part of sustainable development, and thus belongs to our responsibility!



ISOS Miniproposal

In 2015, two ISOS miniproposals were granted: Sinikka Lennartz worked on Carbonyl Sulfide Cycling in aphotic depths and Mohammad Hadi Bordbar was in Australia working on Tropical Pacific Climate Projections. In this issue, Sinikka reports on her experiences:

Shedding light on the “dark production” of carbonyl sulfide, a climate relevant sulfur gas

contact: Sinikka Lennartz, PhD candidate
(slennartz@geomar.de)

The starting point of my Miniproposal was that not much is known about the light-independent marine photoproduction of carbonyl sulfides. To understand light-independent production, I wanted to take samples from the place that is most suitable for this: deep under the water surface, where it is dark. This is not easily done, however, when the measurement system needs a continuous water flow of several liters per minute. Niskin bottles from the CTD cannot be used, as they are discrete. The CASCADE grant was used to build a submersible pumping system that is operated from the ship's deck and, thus, provides the possibility to measure continuous depth profiles. I was therefore able to obtain the first depth profiles of the gas in the Peruvian upwelling area, and considering concurrent depth profiles of a variety of oceanic parameters will investigate the main factors determining dark production.

The Miniproposal gave me the extremely valuable experience of carrying out a project from the idea to its implementation. I learned a lot by designing the set-up, thinking together with technicians from the TLZ about possible ways to implement it and finally coordinating the deployment on the ship. The four shipboard deployments were technically and scientifically successful and other working groups showed interest in deploying the system on future oceanographic campaigns.



School Session on Ocean Acidification & Warming

contact: Kirti Ramesh and Trystan Sanders, PhD candidates
(kramesh@geomar.de; tsanders@geomar.de)

Kirti Ramesh and Trystan Sanders organised a school session on Ocean Acidification & Warming and its effects on marine life. They taught a group of 25 pupils, aged 17 years, at the Multimar Wattforum in Tönning.

» We enjoyed the delivering the course a lot. There was a lot of interest in what we do, the students were able to grasp what we were teaching and also requested internships!«

// ISOS

From PhD to Staff Scientist

contact: Enno Prigge; ISOS (eprigge@uv.uni-kiel.de)

» Where else do you get payed for making things glow in the dark?«

Dr. Katja Dierking, "From PhD to Staff Scientist"

On Monday 16th of November we had the first event of the "From PhD to" Seminar Series – "From PhD to Staff Scientist". Dr. Birte Matthiessen, Dr. Katja Dierking and Dr. Rüdiger Voss agreed to gave an insiders-view on how the life as a (Staff) Scientist actually looks like. Over 1 ½ hours they discussed the challenges and benefits of staying in academia and what it takes to successfully master the transition from PhD to PostDoc/Staff Scientist with the participants.

Securing a lasting academic career seems to be more than just pure luck. All three invited scientists (regardless of their position) feel that their personal motivation and a strong, persistent and determined desire to work in academia helped to create opportunities some would call "luck" and are the key

to personal success in academia. Day-to-day work on the post doc level does not differ substantially between permanent and temporal positions - applying for funding (either for research or your own position) remains a considerable task. Nevertheless, accepting the challenge to stay in academia allowed all three invitees to follow their personal dream - to have a job that (most of the time) does not feel like work and is characterised by a high degree of intellectual and personal freedom.



ISOS PhD representatives

contact: ISOS PhD representatives

phd_reps@isos.uni-kiel.de

By receiving input, feedback and ideas from the PhD community, we (together with you) have the direct opportunity to shape ISOS and their offers.

The main topics for our input are...

- ... the course offers
- ... the PhD retreat

Besides that, the rep-team takes part in...

- ... ISOS steering committee meetings, where we discuss the direction ISOS is heading for
- ... Future Ocean executive board meetings, where we even have a vote!
- ...and we work close with the GEOMAR DokTeam.

We are not limited to a specific number of representatives. Since our work gets easier and more fun the more representatives we are, just join us! As a representative you always just do as much as you want and can do.



Kerstin
KIEL UNIVERSITY
Geosciences



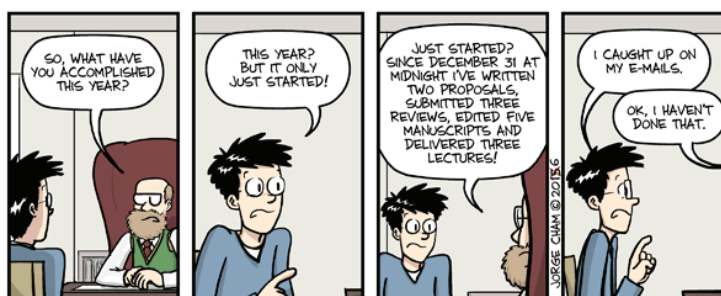
Jan Lukas
GEOMAR
Biogeochemistry



Fabian
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Biogeochemistry



Tobias
MUTHESIUS
Spatial Strategies



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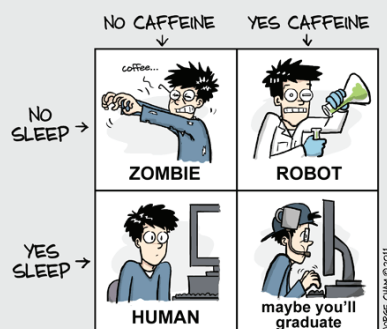
// DokTeam GEOMAR

The GEOMAR DokTeam addresses any issue during the course of PhD life at GEOMAR. They offer support and cooperation in organising scientific and social events, which you think can be beneficial for you and your peers.

The new DokTeam 2016 has been elected during the PhD Plenary. At the moment they are organising the new team and will introduce themselves in the next issue.

If you have any questions, do not hesitate to contact them:
dokteam@geomar.de

GRAD SCHOOL ENERGY LEVELS



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THE EVOLUTION OF THE "YES"



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DokTeam takes part in...

- ... the Scientific Council meetings of GEOMAR
- ... SAB (Scientific Advisory Board) Evaluation
- ... GEOMAR intranet
- ... annual meetings with the administration & directorate
- ... regular meetings with ISOS, HOSST, SFB754
- ... WEB (GEOMAR Women's Executive Board)

Grünkohl-Tour

contact: GEOMAR DokTeam (dokteam@geomar.de)

This year's famous "Grünkohl-Tour" will take place on 22nd of January.

For those of you who don't know what the Grünkohl tour is: We will meet around 4pm and walk along a nice route with a trolley and drinks and will play some games on the way. The tour will end around 8 pm at Traum GmbH where we will have dinner.

It's called Grünkohl tour because people usually eat Grünkohl (curly kale; a typical german winter dish of kale, potatoes and sausage) afterwards, but of course you can also have something else from the menu. Approximate costs for the Grünkohl will be 14 Euro per person and we will collect 3 Euro from each to buy some drinks for the tour.

To participate, please contact the DokTeam until 19th of January

dokteam@geomar.de

How to read a Professor's door



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