



Newsletter for Docs in Marine Sciences

No. 10 // June 2018

Dear all,

It's been a while since the last newsletter. Wiebke is now the proud mother of twins; she is remarkably relaxed and well organised when she drops by the ISOS office! Henrike plunged in the deep end to take on the ISOS office, courses, finances etc. and Tim has fired away with a whole range of integrated science courses.

A new Docteam was elected in December 2017, and we now have a full complement of seven ISOS representatives working with us.

A highlight in the next months will certainly be the ISOS retreat, where we will make films, do graphic recordings and practice some storytelling...that is, when we take time off from grilling, swimming in the Baltic and generally having fun.

Enjoy the newsletter!

Best

ISOS, the ISOS Reps and the DocTeam



mailing list "phd-news":

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

Subscribe at:

www.futureocean.org/isos



ISOS Doctoral Retreat 2018

July 2nd 09:30 h - July 4th 16:00 h

All costs are covered

Venue:

Travemünde Strand - Transport will be provided.

Two places are available.



future ocean
KIEL MARINE SCIENCES
INTEGRATED SCHOOL OF OCEAN SCIENCES

Graphic Drawing

Science Poetry

Science Video Making

Newsticker

- > protocol deadline coming soon (31 July): use new protocol template (available at https://www.futureocean.org/en/isos/phd_programme/PhD_Supervision_Survey.php)
- > due to short term cancellation: two places available for the doctoral retreat (Travemünde, 2-4 July)
- > Kiel University refunds up to 2000€ publication fees for articles published in an open access journal (details: http://www.graduiertenzentrum.uni-kiel.de/en/stipends/funding-open-access-article-processing-charges?set_language=en)

// New Faces at ISOS:

**Felix Noah Wolf**

Felix is already familiar with the city of Kiel with all its privileges such as the close-by sea since he did his bachelor's and master's degree at Kiel University. He is now excited to start as a scientist and to work on marine geophysical data within the international project "AlpArray".

Besides his own research Felix is interested in related sciences like astrophysics and surface geophysics. When he's not working he enjoys doing sports, reading and listening to music or even making music himself.

fnwolf@geomar.de

**Miriam Tivig**

After having studied the Earth's atmosphere for the last years, Miriam is now not only curious about discovering the field of biogeochemistry but also GEOMAR in general. She has been attracted by the excellence cluster Future Ocean, which she expects to provide a good basis for interdisciplinary research. Besides her research she enjoys hiking in the Dolomites, going for horse riding on Icelandic horses and good food, since she has grown up in France.

mtivig@geomar.de

**Henrike Schmidt**

Henrike already did her Master studies in Kiel and now works in the group of Prof. Andreas Oschlies. In her doctorate, she investigates oxygen dynamics in the Indian Ocean. "I am really excited about the idea of becoming an expert on my topic. There are so many unanswered questions and I am passionate to find and answer to them and meet new people and learn new things on that way", Henrike answers when asked about her doctorate. In her spare time, she loves dancing and making music and in summer, Henrike often stays outside for swimming, sailing, cycling and enjoying the free time with friends.

hschmidt@geomar.de

**Claudia Wolff**

Claudia decided to start her Bachelor Degree in Kiel. During her studies, she was enthusiastic about all topics related to the coastal system which is why she stayed here ever since.

What Claudia is most excited about in her doctorate is having the opportunity to meet, work and learn from interesting people in the research community. Besides her research she enjoys being with family and friends, doing all kinds of outdoor activities, sports and cuisine. She lately started gardening on her roof terrace growing tomatoes, lettuce, kohlrabi and many more.

wolff@geographie.uni-kiel.de

**Renjie Pei**

The reason Renjie started her doctorate in at Kiel University is her interest in the research of Professor Wolfgang Kuhnt and Sonne-Cruise. Looking forward to her own research she is most excited about doing experiments in the cleaning lab which make her feel that she is a real scientist.

Naming three of her interests besides research would be watching movies, make-up and swimming.

renjie.pei@ifg.uni-kiel.de

Contact:

info@isos.uni-kiel.de

phd_reps@isos.uni-kiel.de

dokteam@geomar.de

// Doc Representatives in Marine Sciences

Within Marine Sciences you as a doctoral candidate are represented by two teams of “Doc representatives”: one from ISOS, one from GEOMAR. They closely collaborate and at least one doctoral candidate is active in both teams. The Doc Reps organise social events and represent the doctorate community in different committees. Contact them for more information!

ISOS Representatives

(contact: phd_reps@isos.uni-kiel.de)



Daniel
GEOMAR
Marine Chemistry



Jan
GEOMAR
Physical Oceanography



Katriina
GEOMAR
Geoscience



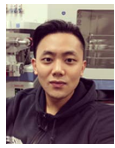
Joshua
CAU
Geography



Arne
CAU
Geoscience



Florian
GEOMAR
Geoscience



Yang
GEOMAR
Geoscience

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

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.

GEOMAR DokTeam

(contact: dokteam@geomar.de)



Jacky
Paleo-oceanography



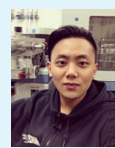
Thea
Marine Ecology



Lisa
Magmatic and Hydrothermal Systems



Caroline
Marine Chemistry



Yang
Geoscience



Iason-Zois
Geoscience

We are the DokTeam and represent more than 200 doctoral researchers at GEOMAR. We bring in your voice at many different levels: We have regular meetings with the directorate, are guests at GEOMAR’s scientific council, and are in regular contact with other committees at GEOMAR and in Kiel. Additionally, we are also in close contact with other doctoral researchers from all 18 Helmholtz centers at the Helmholtz Juniors.

We are there to help you if any problems arise, may it be conflicts with your supervisor(s) or with the mailing list, anything that might come up during your time working on your doctoral project.

COMMUNICATION – the Elixir of Science!

“I love deadlines. I love the whooshing noise they make as they go by.”

- Douglas Adams

For the galactic hitchhikers among us and other Douglas Adams fans, but also for all who have perfected the fine art of procrastination – join the crowd!

We meet for the OPEN WRITING LAB and the REGULARS SCHREIBTISCH once a month to bring in manuscripts and spend several hours writing, giving and getting feedback. The previous dates have been well attended, and participants made serious headway in getting their papers shaped up, and overcoming the writer’s block. Remember, it is easier to edit a crappy draft than a blank sheet of paper!

On request, the next Open Lab will include posters, in preparation of the upcoming Goldschmidt Conference and Ocean Deoxygenation Conference. This includes poster text, design and poster pitches.

REGULAR’S SCHREIBTISCH

with the ISOS DocReps

Next dates: July 18th

August 22nd

September 19th

OPEN WRITING LAB

with Avan Antia

Next dates: July 4th (Open POSTER Lab, on demand)

September 7th

November 2nd



// Doc activities

Future Ocean at the Hannover Messe

contact: *Miriam Tivig, doctoral researcher*
 (mtivig@geomar.de)

From April 25th to 26th, I had the opportunity to represent Future Ocean at the Hannover Messe Industrie 4.0. The Christian-Albrechts University of Kiel (CAU) was present with an impressive stand, where different institutes and scientists showed their "Ways to solutions", the motto of the CAU's exhibition concept. Within the framework of the Excellence cluster Future Ocean, I took care of two exhibits. The first one was a game desk tackling the problem of sustainable fishing (<https://www.ecoocean.de/the-game/>). Up to 4 players can each take care of a fishing boat and catch fish in an idealized ocean. The game wants to demonstrate the common pool problem: If all players catch as much fish as they can, the ocean will be rapidly overfished. The solution is to communicate and to fish in a sustainable way, and by this to gain a maximum of points as a team. The game is most of all a good way to start a discussion about sustainable fishery and more than once it ended up with general controversies about the state of the ocean and the planet.

The second exhibit I took care of was an interactive scientific poster in form of a DIN A0 touch screen about Ocean Observation (<http://www.futureocean.org/poster/>), which interested visitors could operate gesturally to inform themselves about current methods used to observe the ocean.

Besides having interesting discussions with visitors and exhibitors on various topics as the newest Nano-Laboratory of the University Kiel, about homemade fish in the Aquacube-Project or Bamboo-Bicycles made in Kiel and Ghana, it was also an opportunity to look beyond the scientific ivory tower. And while I had challenging controversies with climate change skeptics, the purple pool noodles, exhibition goodies of the CAU, where wandering around the world's leading Trade fair for industrial Technology and played their part as bridge between science and industry.



Foto/Copyright: Claudia Eulitz, Uni Kiel

Doctorate in under three years - unusual but possible!

contact: *Avan Antia, ISOS*
 (aantia@uv.uni-kiel.de)

Four years is the mean duration of doctoral research – this is what the ISOS statistics for the past 10 years tell us. But of course the variation around the mean is also interesting. Within the past months, two candidates completed in a bit under 3 years (well, 34 and 35 months to be exact), so I asked them what went particularly well. This is what they said... "Ich glaube, was mir bei meiner Promotion geholfen hat, war, dass ich bereits am Anfang des zweiten Jahres mit dem Schreiben des ersten Papers begonnen hatte. Die Fertigstellung hat dann zwar noch ein weiteres Jahr gedauert, aber dadurch hatte ich zumindest das erste Paper schon einmal fertig. Ich weiß allerdings nicht, ob das wirklich für jede Arbeit so zu realisieren ist - manche bekommen ihre Ergebnisse ja auch erst wesentlich später. Sobald das Thema für das dritte Paper festlag habe ich mit dem Schreiben der Einleitung der Doktorarbeit angefangen. Obwohl ich sie dann zum Schluss noch einmal ein wenig umschreiben musste, hat es mir ungemein geholfen, schon mal einen ersten Entwurf zu haben."

„I think I always focused on getting the papers done which is the prerequisite to do the PhD. For that, I think the most important thing is to learn to constructively deal with the criticism from the supervisors. Doing so will improve the work and eventually lead to the papers. However, this might also be the most difficult aspect, because the criticism must not be taken personally. But once one is able to deal with criticism in a professional way, the supervisors will highly recognize and appreciate this and thus the work flow will profit from this. In my opinion, this is also one of the most valuable things you learn during the PhD. As a general procedure, I always worked somehow towards interesting results (also with a lot of drawbacks!) and once obtained, I immediately thought about how to make a story out of this. Of course, the offers from ISOS always came in very handy (e.g. the mini-proposal)."

So: it was writing, early and effectively, that was crucial. No better advertisement for our "Open Writing Lab" and the "Regulars Schreibtisch" of the ISOS DocReps!

With a School Class to Sylt; A report by Iason – Zois Gazis

contact: Iason-Zois Gazis, doctoral researcher
(igazis@geomar.de)

In February, I joined 11th grade pupils from the Comprehensive School in Friedrichsort to its excursion at the Wadden Sea Station Sylt in what turned out to be an exciting two days.

I gave a talk about marine sciences, and especially my area of expertise; exploring deep sea resources such as Ferromanganese nodules. I had brought nodules from 4500 m depth in the Pacific Ocean that students could hold and pry. We had a lively discussion on the balance between deep-sea mining, nature conservation and sustainable development.

During a bright sunny day on the mudflats students learned about tidal ecosystems, seeing blue mussels, lugworms, cockles and oysters in their natural habitat. Samples were taken and analyzed in the lab. Microscopic plastic particles were observed in beach sand, and students had a first-hand experience of basic marine research.

This experience showed me the importance of educating young people about the natural environment in an interactive way. I strongly recommend this program to other doctoral candidates. A big thanks to ISOS for the opportunity, to the teacher Dr. Reimert Neuhaus and the students for their warm hospitality.

Iason – Zois Gazis

P.S. Volunteers for January 2019 please contact the ISOS!



Foto/Copyright: Iason-Zois Gazis

“Training the 21st Century Marine Professional” Future Science Brief of the European Marine Board

contact: Avan Antia, ISOS
(aantia@uv.uni-kiel.de)

A new publication that examines the European landscape for training of marine graduates has emerged from a Working Group of the European Marine Board, a think tank in marine science policy. Whereas the emerging “blue economy” requires highly skilled graduates from marine and maritime programmes, training across sectors (academic, applied sectors and industry) presents a real challenge. The brief, produced in consultation with 12 experts from across Europe, presents a vision for future multi-disciplinary training that will equip graduates to address complex marine issues that cut across scientific, environmental and social systems.

Report available at: http://www.marineboard.eu/sites/marineboard.eu/files/public/publication/EMB_FSB2_2018_Web_v1.pdf

The Parachute Approach

contact: Christina Roth
(croth@geomar.de)

In March this year, I attended a workshop which was recommended to me as being suitable for my current situation “Heading towards something new, but what?”

From its title I figured it has to do with life, work and planning it – so far so good. Curiosity, and partly my feeling about being lost in what to expect as my next steps, pushed me to apply for it.

Over three days Marc Buddensieg taught us about the philosophy, invented by Richard N. Bolles, known as the “Parachute Approach”. We worked hard on getting an idea for our dream job; one that uses our favorite skills and fields of knowledge, and on seeing ourselves as a resource. We learned that interviews with bridge-persons might be the way to find out where “I can do the work I most love to do”.

The workshop was divided into theoretical parts, mixed with exercises and a training day that included the preparation for its fun part; the informational interview.

If you’re interested in finding out “what color is your parachute?”, I definitely encourage you to attend!

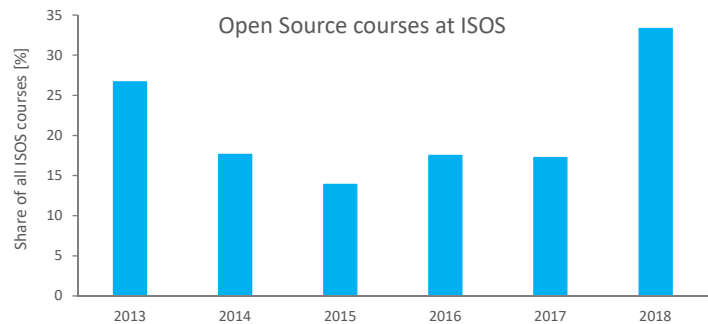
// ISOS

Tim's pick of courses

When I started in ISOS I wanted to initiate some new, fresh courses. Here are the new ones so far:

- Spatial Analysis with R
- Systematic Reviews with Meta-Analysis
- Hydrodynamic Modelling
- SAGA and QGIS
- Introduction to LaTeX

All of these involved open source software. Some, like Systematic Reviews, were proposed by the lecturers themselves and others, like Hydrodynamic Modelling and LaTeX, were on-demand.



Upcoming ISOS Events

13 June 2018

Seafloor Geology Intro

Prof. Dr. Colin Devey, GEOMAR

19 + 20 June 2018

Scientific Writing

Justin Mullins & Mark Buchanan,
Write About Science, London

02 - 04 July 2018

ISOS Doctoral Retreat

06 July 2018

Open Poster Lab

PD Dr. Avan N. Antia, ISOS

16 + 17 July 2018

Basics of University
TeachingDr. Stefan Braun,
Hochschuldidaktik.de

29 - 31 August 2018

Good Scientific
Programming

Prof. Dr. Thomas Slawig, CAU



more courses and online registration at www.futureocean.org/isos

New Alumni: Congratulations!

Melissa Anderson (GEOMAR - Geoscience)
 Dennis Booge (GEOMAR - Chemical Oceanography)
 Veit Dausmann (GEOMAR - Geoscience)
 Yao Fu (GEOMAR - Physical Oceanography)
 Martin Hänsel (CAU - Economics)
 Tronje Kemena (GEOMAR - Marine Biogeochemical Modelling)
 Shubham Krishna (GEOMAR - Marine Biogeochemical Modelling)
 Felix Mittermayer (GEOMAR - Marine Ecology)
 Kirti Ramesh (GEOMAR - Biological Oceanography)
 Fabian Reith (GEOMAR - Marine Biogeochemical Modelling)
 Zhaoyang Song (GEOMAR - Meteorology)
 Christian Wengel (GEOMAR - Meteorology)
 Birthe Zäncker (GEOMAR - Biological Oceanography)

New Doctoral Candidates

Swantje Bastin (GEOMAR - Physical Oceanography)
 Rachel Barrett (CAU - Geoscience)
 Kathrin Busch (GEOMAR - Marine Microbiology)

Gesa Katharina Franz (GEOMAR - Geoscience)
 Jaard-Okke Frederik Hauschildt (GEOMAR - Marine Biogeochemical Modelling)
 Theresa Kändler (CAU - Law)
 Felix Kästner (GEOMAR - Geoscience)
 Maral Khosravi (GEOMAR - Marine Ecology)
 Marcel König (CAU - Geography)
 Jana Krause (GEOMAR - Chemical Oceanography)
 Rafael Meichßner (CAU - Botany)
 Véronique Merten (GEOMAR - Marine Ecology)
 Samuel Müller (CAU - Geoscience)
 Renjie Pei (CAU - Geoscience)
 Florian Petersen (GEOMAR - Geoscience)
 Markus Pfeil (CAU - Computer Science)
 Imke Podbielski (GEOMAR - Biological Oceanography)
 Henrike Schmidt (GEOMAR - Marine Biogeochemical Modelling)
 Miriam Tivig (GEOMAR - Marine Biogeochemical Modelling)
 Jahangir Vajedsamiei (GEOMAR - Marine Ecology)
 Xuechao Wang (GEOMAR - Chemical Oceanography)
 Felix Noah Wolf (GEOMAR - Geoscience)