## Welcome

to the



Induction meeting, Part A
Dr Karin Boessenkool
Friday, 04/12/2020 (10 a.m. – 12:30 p.m. CET)



# Today's meeting

**10:00 – 10:15 Introductions** 

10:15 – 10:55 **GSGS** aims, structure, and basic rules Including time for answering fundamental questions about the GSGS

10:55 – 11:05 Break

11:05 - 11:35 Supervisor & doctoral candidate expectations

11:35 – 12:15 **GSGS forms and procedures** Including time for practical questions

12:20 – 12:30 **Time to arrange a meeting** to discuss individual issues with the GSGS manager





### HOW GRAD SCHOOL IS JUST LIKE KINDERGARTEN

ALL DAY NAPPING IS ACCEPTABLE THERE IS CONSTANT ADULT SUPERVISION





YOU GET COOKIES FOR LUNCH



MOST COMMON ACTIVITY: CUTTING AND PASTING



THERE ARE NO GRADES (YOU JUST HAVE TO PLAY WELL WITH OTHERS)



CRYING FOR YOUR MOMMY IS NORMAL

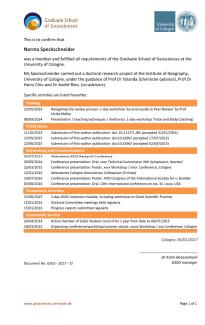


JORGE CHAM @ 2010

WWW.PHDCOMICS.COM

# Why a graduate school?

- Challenges for doctoral candidates, such as
  - limited time available (often 3 years)
  - publishing articles for a "thesis by publication"
  - public attention to quality assurance
    - e.g., plagiarism, storage of primary data
  - need for "selling" your science
  - leadership and time/self management skills
- Networking and support
- Certificated training and activities (-> CV)











This is to confirm that

### Norma Speckschneider

was a member and fulfilled all requirements of the Graduate School of Geosciences at the University of Cologne.

Ms Speckschneider carried out a doctoral research project at the Institute of Geography, University of Cologne, under the guidance of Prof Dr Yolanda Schmincke (advisor), Prof Dr Harry Chiu and Dr André Rieu (co-advisors).

Specific activities are listed hereafter.

Training	
25/05/2014	Navigating the review process: 1-day workshop 'Survival Guide to Peer Review' by Prof. Ulrike Müller
08/09/2014	Presentation / teaching techniques / rhethorics: 1-day workshop 'Voice and Body Coaching'
Publications	
11/10/2013 15/05/2015 22/06/2015	Submission of first-author publication: doi: 10.1117/1.JRS.(accepted 31/01/2014) Submission of first-author publication: doi:10.3390/ (accepted 17/07/2015) Submission of first-author publication: doi:10.3390/ (accepted 02/09/2015)
Networking	and Communications
04/07/2014	Attendance GSGS Research Conference
30/09/2014	Conference presentation: Oral, xxxx Technical Commission Xith Symposium, Istanbul
16/03/2015	Conference presentation: Poster, xxxx Workshop / xxxx Conference, Cologne
12/01/2016	Attendance Cologne Geosciences Colloquium (9 times)
19/07/2016	Conference presentation: Poster, XXIII Congress of the International Society for x, Boulder
03/08/2016	Conference presentation: Oral, 13th international conference on xxx, St. Louis, USA

Attendance GSGS Research Conference		
Conference presentation: Oral, xxxx Technical Commission	on Xith Symposium, Istanbul	
Conference presentation: Poster, xxxx Workshop / xxxx	Conference, Cologne	
Attendance Cologne Geosciences Colloquium (9 times)		
Conference presentation: Poster, XXIII Congress of the Ir	nternational Society for x, Boulder	
Conference presentation: Oral, 13th international confe	rence on xxx, St. Louis, USA	
Activities		
2-day GSGS induction module, including workshop on Go	ood Scientific Practice	
Doctoral Committee meetings held regularly		
Progress reports submitted regularly		
Service		
Active member of GSGS Student Council for 1 year from	date to 06/07/2015	
Organising conference/workshop/summer school: xxxxx Workshop / xxx Conference, Cologne		
	Cologne, 05/01/2017	
	Dr Karin Boessenkool	
SSGS - 2017 - 72	GSGS manager	
	Conference presentation: Oral, xxxx Technical Commission Conference presentation: Poster, xxxx Workshop / xxxx Attendance Cologne Geosciences Colloquium (9 times) Conference presentation: Poster, XXIII Congress of the International conference presentation: Oral, 13th international conference Activities  2-day GSGS induction module, including workshop on Good Doctoral Committee meetings held regularly Progress reports submitted regularly  Service  Active member of GSGS Student Council for 1 year from Organising conference/workshop/summer school: xxxxxx	

## Goals

- offer structured graduate education within the Department of Geosciences
- cooperate closely with
  - organisations for graduate education in the Geosciences (IRTGs, Graduate Schools at Research Institutions such as Forschungszentrum Jülich), especially within <u>Geoverbund ABC/J</u> (http://geoverbund-abcj.de/geoverbund/DE/Home/home\_node.html) (as a GSGS member, you are a member)
  - other Graduate Schools in the Faculty of Mathematics and Natural Sciences
  - and the university-wide <u>Albertus Magnus Center for Early-Career Researchers</u> (amc.uni-koeln.de)
- to secure and foster 3<sup>rd</sup> party funding, and attract external scholarships
- foster excellent doctoral research by
  - → supporting our members during their doctoral phase
  - → supporting initiatives by GSGS members



# Now think

We all introduced ourselves at the start of this meeting.

Everyone introduced their project.

Go to www.menti.com and enter code 98 70 92 7

Type 3 words or short phrases, about a person's project that stuck in your head.



### Now think

Type 3 words or short phrases, about a person's project that stuck in your head.

Mentimeter

```
micromorphology

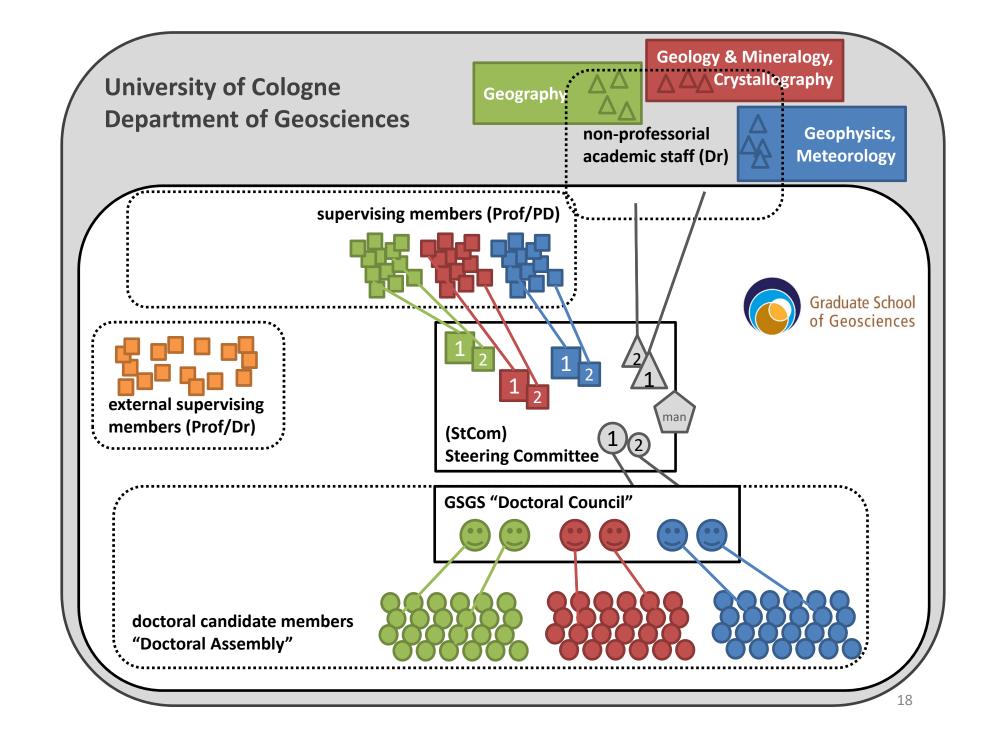
desertdust in atacama elephant archeology

permafrost elephants micro plastic carbon dynamics in arctic microplastics in soils microplastics methane in siberia desert development
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# **University of Cologne Department of Geosciences**



Katrin Schwaiger

Linus Kalvelage (Geography, WG Revilla Diez)

Sarah Luft (Geography, WG (Geography, WG Braun)
Kraas)



Bárbara Blanco (Geophysics, WG Tezkan)

Stephan Schlegel (Geophysics, WG Saur)

GSGS "Doctoral Council"

doctoral candidate members "Doctoral Assembly"



**Prof Dr Boris** Braun Spokesperson



**Professors** 

Prof Dr Tim Mansfeldt



**Prof Dr Roel Neggers** 



Prof Dr Joachim Saur



**Prof Dr Bernd** Wagner



**Prof Dr Patrick** Grunert



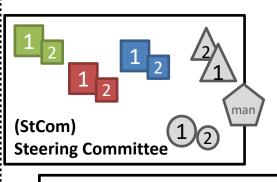
non-professorial academic staff (Dr)



**Dr Kerstin Ebell** 



Dr Alexandre Wennmacher





Dr Karin Boessenkool (Manager GSGS)







Stephan Schlegel



Sarah Luft

# GSGS membership (1) Advisor / TAC interaction Deadline at GSGS office

### **GSGS** doctoral project time line

Find advisor, topic and funding

Apply for admission at Doctoral Office

Before
Year 1
Year 2
Year 3

### Step 1 – Registration on "Docfile"

https://portal.uni-koeln.de/en/doctoral-candidates/doctoral-candidates/docfile-online-registration-for-doctoral-candidates-at-the-university-of-cologne

#### Step 2 – Register at the Doctoral Office (and with the GSGS)

Use the form "Application for admission as a PhD student" to register in one of the Geosciences with the Doctoral Office of the Faculty of Mathematics and Natural Sciences (Math.-Nat. Fak.). The GSGS manager needs to co-sign. From this time, you are a GSGS member. Should you not be admitted, your GSGS membership ends after a year.

https://mathnat.uni-koeln.de/en/doctoral-candidates/doctoral-procedure





## GSGS membershi

Find advisor, topic and funding

**Apply for admission at Doctoral Office** 

### Step 1 - Registration on "Docfile"

https://portal.uni-koeln.de/en/doctoral-candidateregistration-for-doctoral-candidates-at-the-university

### Step 2 – Register at the Doctoral Office (and with t

Use the form "Application for admission as a PhD st the Doctoral Office of the Faculty of Mathematics a manager needs to co-sign. From this time, you are a GSGS membership ends after a year.

https://mathnat.uni-koeln.de/en/doctoral-candid



Antrag auf Zulassung als Doktorand/in der Math.-Nat. Fakultät, Universität zu Köln gemäß der Promotionsordnung vom 12. März 2020

### Application for Admission as a PhD Student of the Faculty of Mathematics and Natural Sciences of the University of Cologne

According to the Doctoral Regulations of 12. March 2020

#### Docfile Aktenzeichen / registration number

Eine der Voraussetzungen für die Zulassung als Doktorandin/Doktorand ist die vollständige Registrierung im Promovierenden-Registrierungssystem "Docfile" der Universität zu Köln. Kopien der Hochschulzugangsberechtigung, aller Zeugnisse und Urkunden des Studiums, Transkripte und/oder eine Studienverlaufsbescheinigung sowie sonstige Nachweise sind in "Docfile" als PDF-Dateien hochzuladen. https://mathnat.uni-koeln.de/promovierende/verlauf-der-promotion One of the requirements for admission as a doctoral student is full registration in the doctoral registration system "Docfile" at the University of Cologne. Copies of the university entrance qualification, of all certificates and diplomas, of transcripts and/or a certificate of study progress as well as other evidence must be uploaded in "Docfile" as PDF files. https://mathnat.uni-koeln.defer doctoral-and/idates

#### 2. Angaben zur Person / Personal data

Name / last name	ame / last name Vorname(n) / first name(s)			
Geburtsdatum / date of birth,	Geburtsort / place of birth (city and	state) Staatsangehörigkeit / nationality	Geschlecht / gender	
private Anschrift / private addr	ess			
Telefon (privat u. dienstlich) / phone	numbers (private and official)	Email (privat u. dienstlich) / email (private and official)		

#### 3. Studium / Course of studies

ür die Promotion qualifizierender Studienabschluss / academic d	legree qualifiying for PhD	
B. Master of Science in Fachrichtung / e.g. Master of Science in	field	Abschlussdatum / completion date
ochschule / university	Ort, Land / city and state	

#### 4. Angaben zum Promotionsvorhaben / information on the doctoral project

#### 4.1 Allgemeines / general data

Thema (Arbeitstitel) / topic (working title)					
Promotionsfach / field of the doctoral project	Dat	um des Beginns / actual start date			
	<u>-</u>				
Betreuer/in (Titel Vor- u. Nachname) / advisor (title first and last name	Email / email	Telefon / phone number			
*Arbeitsgruppe und Abteilung / research group and research unit	*Institut bzw. Forschungseinrichtu	ng / research institution			
*Anschrift des Instituts bzw. der Forschungseinrichtung / full addr	ess of the research institution				
*Einzutragen ist wo das Promotionsprojekt durchgeführt wird, d. (a) das Institut und Department der MathNat. Fakultät (au					
oder (b) das Institut und die Fakultät der Universität zu Köln (sof					
oder (c) die außeruniversitäre Forschungseinrichtung (hierzu zählen: Forschungszentrum caesar, Forschungszentrum Jülich, MPI für Biologie des Alterns. MPI für Kohlenforschung. MPI für Stoffwechselforschung. MPI für Pflanzenzüchtungsforschung.					
MPI für Biologie des Alterns, MPI für Kohlenforschung, I MPI für Radioastronomie).					
	MPI für Stoffwechselforschung, MP	I für Pflanzenzüchtungsforschung,			
MPI für Radioastronomie). oder (d) andere Forschungseinrichtungen (hierzu ist ein Antrag von dem/der Promotionsbetreuer/in befürwortet ist). *Enter where the doctoral project will be carried out, i.e. the rese	MPI für Stoffwechselforschung, MP gem. § 5 Abs. 4 der Promotionsord arch group and	l für Pflanzenzüchtungsforschung, nung als Anlage beizufügen, der			
MPI für Radioastronomie).  oder (d) andere Forschungseinrichtungen (hierzu ist ein Antrag von dem/der Promotionsbetreuer/in befürwortet ist).	MPI für Stoffwechselforschung, MP gem. § 5 Abs. 4 der Promotionsord arch group and and Natural Sciences (also affiliat	l für Pflanzenzüchtungsforschung, nung als Anlage beizufügen, der ed institutes),			
MPI für Radioastronomie).  oder (d) andere Forschungseinrichtungen (hierzu ist ein Antrag von dem/der Promotionsbetreuer/in befürwortet ist).  *Enter where the doctoral project will be carried out, i.e. the rese (a) the Institute and Department of the Faculty of Mathematics or (b) the Institute and Faculty of the University of Cologne (exceor (c) the non-university research institution (this includes Resea	MPI für Stoffwechselforschung, MP gem. § 5 Abs. 4 der Promotionsord arch group and and Natural Sciences (also affiliat pt Faculty of Mathematics and Nat cro Centre caesar, Research Centr	l für Pflañzenzüchtungsforschung, nung als Anlage beizufügen, der ed institutes), ural Sciences) e üllich, MPI for Biology of			
MPI für Radioastronomie). oder (d) andere Forschungeinrichtungen (hierzu ist ein Antrag von dem/der Promotionsbetreuer/in befürwortet ist).  *Enter where the doctoral project will be carried out, i.e. the rese (a) the Institute and Department of the Faculty of Mathematics or (b) the Institute and Faculty of the University of Cologne (exce or (c) the non-university research institution (this includes Resea Ageing, MPI for Cala Research, MPI for Metabolism Resez	MPI für Stoffwechselforschung, MP gem. § 5 Abs. 4 der Promotionsord arch group and and Natural Sciences (also affiliat pt Faculty of Mathematics and Nat rch Centre caesar, Research Cenh trich, MPI for Plant Breeding Resea	i für Pflanzenzüchtungsforschung, nung als Anlage beizufügen, der ed institutes), ural Sciences) e Jülich, MPI for Biology of ch, MPI for Radio Astronomy).			
MPI für Radioastronomie).  oder (d) andere Forschungseinrichtungen (hierzu ist ein Antrag von dem/der Promotionsbetreuer/in befürwortet ist).  *Enter where the doctoral project will be carried out, i.e. the rese (a) the Institute and Department of the Faculty of Mathematics or (b) the Institute and Faculty of the University of Cologne (exceor (c) the non-university research institution (this includes Resea	MPI für Stoffwechselforschung, MP gem. § 5 Abs. 4 der Promotionsord arch group and and Natural Sciences (also affiliat pt Faculty of Mathematics and Nat rch Centre caesar, Research Cenh trich, MPI for Plant Breeding Resea	i für Pflanzenzüchtungsforschung, nung als Anlage beizufügen, der ed institutes), ural Sciences) e Jülich, MPI for Biology of ch, MPI for Radio Astronomy).			

1 von 4 07 / 2020



# GSGS membership (2)



### **GSGS** doctoral project time line

Find advisor, topic and funding

Apply for admission at Doctoral Office

Form Thesis Advisory Committee (TAC)

Before
Year 1
Year 2
Year 3

Step 2 – Form your Thesis Advisory Committee (TAC) (was: Doctoral Committee, DC) during first 3 months

Talk to you principal supervisor (advisor) about who could be on your TAC





# GSGS membership (3)

Advisor / TAC interaction

Deadline at GSGS office

### **GSGS** doctoral project time line

Find advisor, topic and funding

Apply for admission at Doctoral Office

Form Thesis Advisory Committee (TAC)

Supervision Agreement



### Step 3 – Supervision agreement (during first 3 months)

- GSGS Supervision Agreement (if you have another format, contact the GSGS to see if it fits the requirements)
- Prepare a draft version with your day-to-day supervisor
- send the draft to the co-advisor(s) for comments.

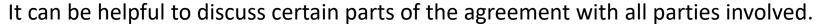




# GSGS membership (4)

•••





-> Arrange a (video) meeting or teleconference

### **Step 4 – Detailed Research Plan & TAC meeting (within first 6 months)**

Use the <u>reporting guidelines</u>. Submit your Plan to your TAC and arrange a meeting about it (see <u>meeting guidelines</u>)

Fill out "<u>Doctoral Committee members' Feedback form</u>" in the meeting and submit with your Detailed Research Plan

The latest version of all important documents can be found in <a href="https://geosciences.uni-koeln.de/gsgs/downloads">https://geosciences.uni-koeln.de/gsgs/downloads</a>

If you encounter any serious obstacles, send an email to <a href="mailto:gradschool-geosci@uni-koeln.de">gradschool-geosci@uni-koeln.de</a> to apply for an extension.





# Compulsory items for GSGS members

- 1. Form a thesis advisory committee (TAC);
- 2. Sign a **supervision agreement**;
- 3. Report regularly to your TAC and the GSGS office;
- **4. Meet** frequently with your TAC members;
- 5. Participate in the GSGS induction module;
- 6. Present at a GSGS Research Conference





# Compulsory items for GSGS members

- 1. Form a thesis advisory committee (TAC);
- 2. Sign a **supervision agreement**;
- **3. Report** regularly to your TAC and the GSGS office;
- **4. Meet** frequently with your TAC members;
- 5. Participate in the GSGS induction module (Part A, B, C & D);
- 6. Present a poster at a GSGS Research Conference

Next Research Conference: early 2021, online (planned date 05.03.2021)

!! We are still looking for people to join the Organizing Committee!!





"Structured

guidance"

### Structured guidance??!

Advisor / TAC interaction

Deadline at GSGS office

Compulsory GSGS activity

### **GSGS** doctoral project time line

Find advisor, topic and funding

**Apply for admission at Doctoral Office** 

Form thesis advisory committee (TAC)

**Supervision Agreement** 

**GSGS** induction module

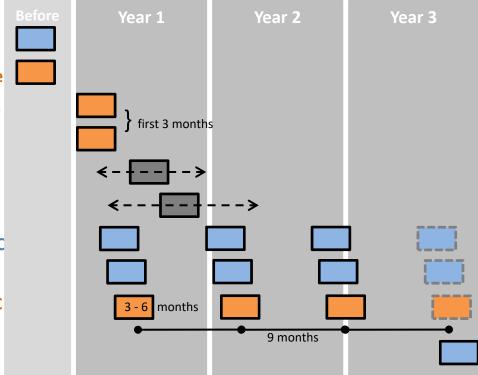
**Present at GSGS Research Conference** 

Research plan / Progress report to TAC

**TAC** meeting

Research plan / progress report & TAC feedback form

**Submit thesis** 







# Why structured guidance?

- Help you structure your work
  - and finish in time...
- Help your supervisor help you
- Get fresh input/views into your project
- Stimulate information exchange you ← your supervisor



# Thesis Advisory Committee

advisor conception, instruction, minimum evaluation mentor (co-advisor) big picture thinking and/or mentoring mentor (co-advisor) Postdoc/non-professorial staff - practical support thesis advisory committee

Requirements:

**Professor** or *Privatdozent* legally entitled to supervise doctoral candidates in Math-Nat. Faculty, UoC

Doctorate or PhD degree, Different working group, Independent of advisor

**Doctorate** or **PhD** degree

Committee member are not necessarily the assessors of your thesis.





# Examples Thesis Advisory Committee composition

necessary

	Principal supervisor / advisor	Mentor (Co-advisor)	Mentor (Co-advisor)	
Example 1	Prof @ Math-Nat Faculty, Cologne	Academic staff member (Dr), same WG	Dr @ other univ. or in industry, independent of advisor	
Example 2	PD @ Math-Nat Faculty, Cologne	Prof @ Math-Nat Faculty, Cologne (other WG)	opt	ional /
Example 3	Prof @ Math-Nat Faculty, Cologne	Prof @ other university	Academic staff member (Dr), same WG as advisor	





# other GSGS opportunities and benefits

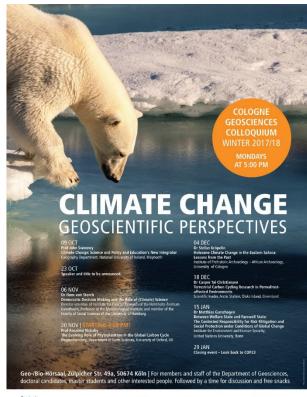
(for the larger part "members only")

#### During Covid-19:

- <u>Training</u> (<a href="http://www.geosciences.uni-koeln.de/training0.html">http://www.geosciences.uni-koeln.de/training0.html</a>) (also check "training by others")
- "Travel" Grants (<a href="https://geosciences.uni-koeln.de/gsgs/opportunities/financial-support-for-members/travel-grants">https://geosciences.uni-koeln.de/gsgs/opportunities/financial-support-for-members/travel-grants</a>) for professional development / event participation
- Useful resources on <a href="https://wiki.uni-koeln.de/!gsgs/">https://wiki.uni-koeln.de/!gsgs/</a>
   Both you and any external TAC members get access after handing the supervision agreement
- Personal support through GSGS coordinator or referral to other providers > do get it touch, if you need help.
- Networking through SLACK workspace (gsgs-uoc.slack.com)
- Support for activities organized by members

#### Before/after Covid-19 also:

- Travel Grants to attend conferences, courses and workshops
- International activities, e.g. invited speakers
- Networking in person with fellow doctoral candidates and people in the Department















### **GSGS** Points

Collecting GSGS points (http://www.geosciences.uni-koeln.de/12702.html) is important to qualify for certain benefits offered by the GSGS, especially:

**GSGS Travel Grants**: ≥ 5 GSGS points per semester (on average)

NB: You <u>can</u> be a GSGS member and participate in any activities <u>without</u> collecting GSGS points.





# General tips

- Read and follow guidelines
- Keep to deadlines and appointments (and use a diary)
- Register for activities, if necessary (> we will count on you attending!)
- Let us know as soon as possible if you cannot make it after all
- Set up a holiday message when you are absent (e.g. for more than 4 days)
- Keep a record of your activities yourself
- Write minutes or a short list of things you agreed on in meetings with your supervisor and send it to them for comments
- Be pro-active, especially towards your supervisor
- Contact your representative on the "Doctoral Council" if you have any suggestions for the GSGS
- Contact the GSGS office if you have any questions or problems.



# GSGS alumni questionnaire: "What advice would you give doctoral candidates at the beginning of their project?"

Improve writing skills from the very beginning of your PhD.

Start publishing as early
as possible and do not set
as possible and do not set
your sights too high.

Doing your PhD is like climbing a high mountain. But (...) don't look up, only focus on your next steps and stop once in a while to look back at what you already accomplished.

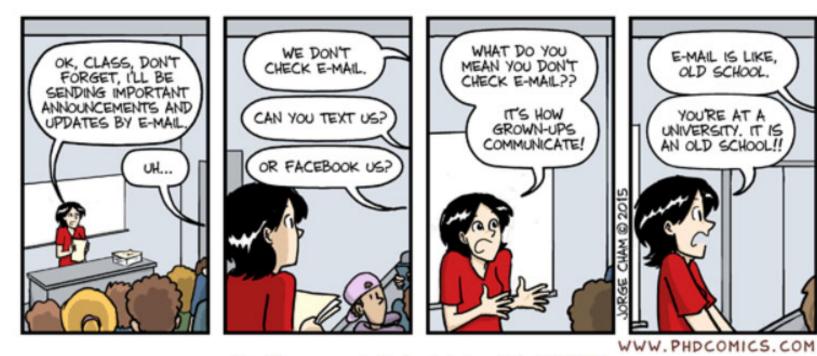
Keep note of all the papers you read at the start of the project and keep a list of these papers with a few key points.

Particularly workshops related to time management, writing and presentation skills were very helpful for me.

Have concrete goals.

Don't be afraid to ask for help when stuck on something.

### **GSGS** contact



title: "Class communication" - originally published 3/25/2015





### **GSGS** contact

#### Website

www.geosciences.uni-koeln.de/gsgs

Newsletter to "gsgs-students" mailing list (yes, by e-mail ⊕)

Contact your representatives (GSGS Doctoral Council) for ideas, feedback, and initiatives: <a href="mailto:gsgs-council@uni-koeln.de">gsgs-council@uni-koeln.de</a>

Karin Boessenkool

<u>gradschool-geosci@uni-koeln.de</u> / kboessen@uni-koeln.de Phone +49 (0)221 - 470 5925 (except on Wednesdays) English / German





### What else...

11:10 - 11:20 Break

11:20 – 11:40 **Supervisor / advisor, mentor, doctoral candidate** expectations

11:40 – 12:15 **Details of GSGS forms and procedures** Including time for practical questions

12:15 – 12:30 Time to discuss individual issues with the GSGS manager





# Supervisor and doctoral candidate expectations

2 breakout groups:

Group 1 make a list of characteristics of the perfect supervisor

Go to www.menti.com and enter code 94 41 43 0

<u>Group 2</u> make a list of characteristics of the perfect PhD Student (from viewpoint of supervisor)

Go to <a href="https://www.menti.com">www.menti.com</a> and enter code 96 00 09 3

- 10 minutes to discuss
- Coordinate your entries; everyone in the group can enter cards for the group.
- I will write "one minute left" in the chat after 9 minutes



# The perfect supervisor/advisor

My Supervisor is awesome. He is always ready to help whenever i needed any assistance from the Faculty. He is a good communicator and very deep.

give space for own ideas of PhD-student, be open for new methods and technologies

Teaches well

supportive, available, not too pushy, too stressy, patient, not over-ambitious, good communicator, good scientific advisor, direct communication but not being mean/rude, well-organized, emphatic, perfect mixture of being caring and giving us freedom

The role of an advisor / supervisor is to guide a candidate in research and academic affairs.

<u>Advisor vs "mentor"</u>: not all advisors are "suitable" to be someone's "mentor" (in the sense that they care about the personal development of their mentee).

If you think that if would be good for you to have someone to take up a mentoring role for you (and you think that your advisor cannot do this): look for someone who can, either as a TAC members, through a mentoring programme, or through personal contacts. As for help if you need it.





# The perfect doctoral candidate

A perfect PhD candidate does not exist but should strive to be efficient, communicative, professional with originality and ingenuity.

A perefect phd. Candidate does not exist but should strive to be efficiently creative and communicate genuinely

Knows how to take care of his/her /their mental and physical health

Is realistic and knows their strengths and weakness

Stay realistic, do not reach for the stars but maybe for the moon.

A perfect PhD candidate does not existe, but should try to be efficient, originally creative and can communicate effectively.

Take care of yourself





### **GSGS** forms and procedures

All important GSGS documents > GSGS "downloads" section (https://geosciences.uni-koeln.de/gsgs/downloads)

- Supervision Agreement
- Reporting Guidelines note option to write a paper draft
- TAC/DC Meeting Guidelines (checklist is optional)
- DC/TAC Feedback Form
- Catalogue of GSGS Points
- Activities Form to report activities that can earn you GSGS points

12:20 – 12:30 Time to arrange a meeting to discuss individual issues with the GSGS manager

Do not hesitate to contact Karin if you are unsure about the next step to take!

