

Welcome at Leibniz University Hannover



M.Sc. Geosciences



Institute

Teaching

Research

Research groups



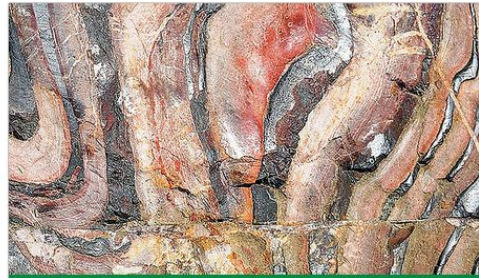
Soil Science

Prof. Dr. Sabine Chabrillat | Prof. Dr. Georg Guggenberger | Prof. Dr. Stephan Peth



Geobotany

currently vacant | NN



Geology

Prof. Dr. Gerald Gabriel | Prof. Dr. Andrea Hampel | Prof. Dr. Ulrich Heimhofer | Prof. Dr. Mike Müller-Petke | Prof. Dr. Jutta Winsemann



Mineralogy

Prof. Dr. François Holtz | Prof. Dr. Christian Mikutta | apl. Prof. Dr. Claus Rüschler | Prof. Dr. Stefan Weyer



Physical Geography and Digital Landscape Ecology

Prof. Dr. Benjamin Burkhard | Prof. Dr. Nadja Kabisch

Master Geosciences

Federal Authorities in Hannover



BUNDESGESELLSCHAFT
FÜR ENDLAGERUNG

Federal Company for Radioactive Waste Disposal



BGR LBEG IAG
GEOZENTRUM HANNOVER

Federal Institute for Geosciences and Natural Resources
State Authority for Mining, Energy and Geology
Leibniz Institute for Applied Geophysics

M.Sc. Geosciences 120 CP

Compulsory: Seminar on Scientific Work (5 CP)

Compulsory Elective (85 CP)

Modules* of the focus of study:

- Soil/Water
- Sedimentary Systems and Tectonics
- Applied Geology and Geophysics
- Mineralogy/Geochemistry

*not all Modules are offered in english language

Projects

- Mapping in Geoscience
- Independent Project with Fieldwork
- Independent Analytical Work
- Writing a Scientific Paper

Major Field Trip

General Studies

(from B.Sc. Geosciences and other degree programs at the University)

Compulsory: Master Thesis (30 CP)

Major Studies

Soil / Water (mind. 55 CP)

Sedimentary Systems and Tectonics
(mind. 55 CP)

Applied Geology and Geophysics
(mind. 55 CP)

Mineralogy / Geochemistry (mind. 55 CP)

In order to complete a major, at least 55 CP from modules and the Master's thesis from the major must be completed.

→ The major can then be indicated on the certificate!

➔ Compulsory:

- Seminar on Scientific Work

A. participation at 12 seminars or colloquia

B. presentation of the Master thesis

→ $A+B = 5$ credits (CP)

- Master thesis

- admission requirements: 50 CP of compulsory modules
- Max. 6 month time
- 30 CP

Documentation of 12 participations in geoscientific lectures in the context of colloquia or seminars of the Department of Soil Science, Geology, Mineralogy, the BGR, the LIAG or geoscientific conferences

Leibniz Universität Hannover

Matriculation number:

Mr./Mrs. has participated in the following colloquia / seminars as part of the Master's program in Geosciences:

Date	Type of colloquium	Name of the speaker/topic (abbreviate as appropriate)	Lecturer: Name (readable) + signature

Will be online soon!

ry modules

Structure of the Programme - Modules

➔ Compulsory elective:

Module Boden/Wasser

Hydrogeologie/Wasser	WS+SS
Prozesse der Bodendegradation	WS
Geographische Informationssysteme B (GIS B)	WS+SS
Interface Processes in Soils (not WS 24/25)	WS
Soils as Part of Ecosystems	WS+SS
Bodenschutz und Bodennutzung	WS+SS
Environmental Mineralogy	WS
Chemically Polluted Soils	WS
Principles of Peat Sciences	WS+SS
Numerical Modelling	WS+SS
Definition und Regionalisierung von Bodeneinheiten	WS+SS
Digital Soil Mapping	WS

Module Angewandte Geologie und Geophysik

Hydrogeologie/Wasserwirtschaft
Modellierung geologischer Prozesse
Ingenieurgeologie
Geophysik I
Geophysik II mit Praktikum
Quartärgeologie
Geologie der Kontinentränder und Sed Dynamik und Geopotenziale
Approximation und Prädiktion raumbe-
Mineral Resources

Module Sedimentäre Systeme und Tektonik

Tektonische Geomorphologie und Neotektonik	WS
Modellierung geologischer Prozesse	SS
Sedimentary Archives and Paleoenvironment Reconstruction	WS+SS
Geographische Informationssysteme B (GIS B)	WS+SS
Geo-Informationssysteme und Fernerkundung	WS
Quartärgeologie	SS
Geologie der Kontinentränder und Sedimentbecken: Dynamik und Geopotenziale	WS+SS
Approximation und Prädiktion raumbezogener Daten	SS
Isotope Geochemistry and Mass Spectrometry	WS
Geodynamics of mid-ocean ridge systems	SS

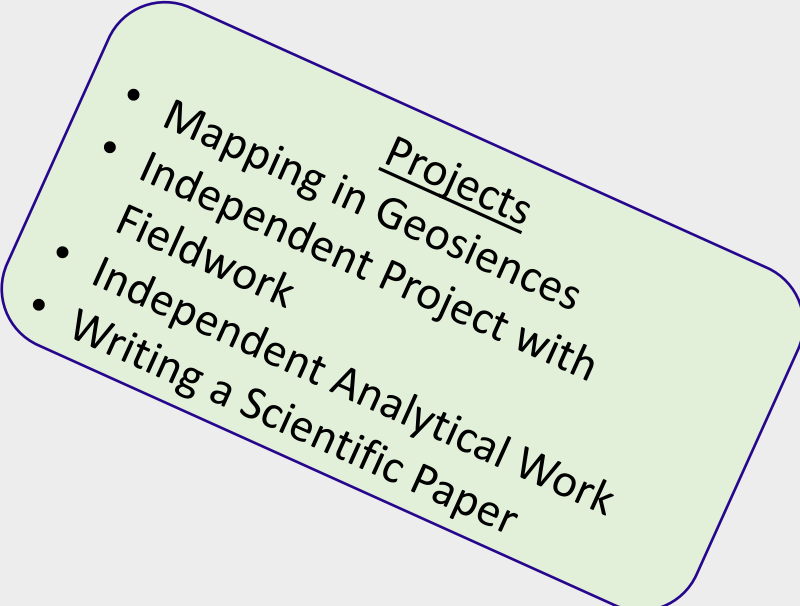
Module Mineralogie/Geochemie

Interface Processes in Soils (not WS 24/25)	WS
Experimental Geochemistry	WS
Isotope Geochemistry and Mass Spectrometry	WS
Analytical methods of isotope geochemistry	SS
High resolution analytical methods	SS
Technical Mineralogy	SS
Mineral resources	SS
Environmental Mineralogy	WS
Geodynamics of mid-ocean ridge systems	SS
Grundlage der Werkstofftechnik für Geowissenschaften	SS+WS
Crystal physics and spectroscopic analysis of minerals	WS

- app. 30 modules that can be studied individually or as a major. Many modules run over 2 semesters - attendance at the beginning is important!

➔ Compulsory elective:

- **Projects**
 - four Project modules are offered (in every major), 7 CP each
 - a maximum of three Projects can be selected
 - each type of Project only once
 - duration: ~ 210 hours work; max. 6 months
 - Projects can be used for a preparation work to the Master Thesis
- **General Studies** max. 20 CP
 - graded modules from the B.Sc. Geosciences
 - Modules from other degree programs
 - Key competencies and language courses
- **Excursion:** 5 CP

- 
- Projects
- Mapping in Geosciences
 - Independent Project with Fieldwork
 - Independent Analytical Work
 - Writing a Scientific Paper

Information on the website

- Module catalogue
- Module overview
- Timetable
- Examination dates
- Semester dates
- Formulars
- Examination regulations
- Contact persons

[Homepage](#)

Module catalogue [PDF]

program as well as information on compulsory and compulsory elective modules can be found in the current module catalog.

SEMESTER ORGANISATION

TIMETABLE AND SEMESTERDATES	STUDY ORGANISATION
Timetable [PDF]	Module overview
Semester dates [PDF]	Master's programme structure [PDF]
Exam dates [PDF]	

INFORMATION AND COMMUNICATION ABOUT STUDYING

Stud.IP ↗

LECTURES IN GEOSCIENCE (M. SC.)

Lecture catalogue ↗

LEIBNIZ UNIVERSITY HANOVER

General semester dates and lecture periods ↗

DEGREE PROGRAMME-SPECIFIC REGULATIONS

Formalities and regulations

The regulations governing the course of a degree program and examinations are described in the examination regulations (PO) and are legally binding. The PO regulates the examination requirements and procedures. It specifies the modules in which examinations and coursework must be completed as well as the number and type of examinations

STUD.IP – PORTAL FOR ALL COURSES

Stud.IP is the **central learning management system** to support all courses.

Services (selection):

- Registration for courses
- Timetable creation and schedule management
- Provision of content for courses (e.g. file storage, schedules and flow charts, literature lists, uploads of lecture recordings)
- Communication with lecturers and fellow students via system message, discussion forum, appointments for (virtual) consultation hours, "Blubber" (new posts and responses in real time, similar to a pinboard in the usual social networks) or Matrix messenger chats (privately or for events)
- Recordings of lectures
- Bulletin board for offers and requests (e.g. furniture, books, housing)
- Video conferences via BigBlueButton (meetings) to be held within courses and study groups, for virtual teamwork or hybrid scenarios in courses

Stud.IP

Veranstaltung: Studiengang Geowissenschaften

Course number:
16000

miscellaneous: Study program | Geo Sciences

Administration Overview **Files** Participants Forum Feedback

Brief information
Details

Share
 Copy link to this course

Basic details

Subtitle
Information group for students of geosciences

Time / Course location
The course times are not decided yet.

First date
The course times are not decided yet.

Dozierende
Dr. Marina Lazarov, Dr. Nadja Pierau

Announcements


Sprachkurse im SoSe 25 Dr. Nadja Pierau 27/03/25 112

Geothermie-Praktikum am Landesamt für Bergbau, Energie und Geologie (LBEG) Dr. Nadja Pierau 04/06/24 264

Lausitzexkursion 11.-15.8.25 für Bachelor und Master Geowissenschaften Dr. Nadja Pierau 06/03/25 171

Stud.IP

Excursion program

 sonstige: **Exkursionsplan Geowissenschaften und Geographie (SoSe 2025)**

Course number: 16000a

Verwaltung Übersicht Ablaufplan Dateien Informationen Teilnehmende



Kurzinfo

Details

Teilen

 Link zu dieser Veranstaltung kopieren

Grunddaten

Zeit / Veranstaltungsort

Die Zeiten der Veranstaltung stehen nicht fest.

Erster Termin

Die Zeiten der Veranstaltung stehen nicht fest.




Dozierende


Pierau, N., Felde, V., Boy, J., Liebmann, P., Donnerhack, O., Sauheitl, L., Garcia Moreno, J., Weyer, S., Lazarov, M., Holtz, F., Winsemann, J., Heimhofer, U., Schnee, L., Kabisch, N., Burkhard, B., Groß, J., Störmer, A., Oeser-Rabe, M., Spychala, Y., Krencker, F., Mikutta, C., Brandes, C., Viehmann, S., Dielforder, A., Almeev, R., Horn, I., Beisiegel, F., Guggenberger, G., Böhmer, H., Chepinoga, V., Hampel, A., Wiegel, P., Peth, S., Leiber-Sauheitl, K., Fuest, S., Shibistova, O., Brandes, C., Dultz, S., Wölfler, A., Woche, S., Zamanian, K., Krüger, J., Dettmann, U., Gaedicke, C.




Ankündigungen






>  Exkursion Chile: Vorbesprechung: 15.4.2025 um 16:15 in Raum A001 (4111)


Dr. Nadja Pierau 07.04.2025 6   

>  Lausitzexkursion 11.-15.8.25 für Bachelor und Master Geowissenschaften

Dr. Nadja Pierau 06.03.2025 171   



>  Eifel und Erzgebirge (Vulkanismus in der Eifel, Lagerstätten und kristalline Gesteine im Erzgebirge) 1.-9.10.

Dr. Nadja Pierau 11.02.2025 139   

>  Master Project mapping in geosciences: Kartierkurs in Maloja (Schweiz)

Dr. Nadja Pierau 19.02.2025 97   

>  Bodenkundliche Pfingstexkursion Bodengenese der Westfriesischen Inseln

Dr. Nadja Pierau 11.02.2025 87   

Stud.IP

Seminar on Scientific Work



Seminar: Seminar zum Wissenschaftlichen Arbeiten (SoSe 2025)

Course number: 16650

Übersicht | Teilnehmende | Ablaufplan | Dateien | Forum



Kurzinfo

Details

Aktionen

► Austragen aus der Veranstaltung

Teilen

🔗 Link zu dieser Veranstaltung kopieren

Links

🔄 Veranstaltung im Zentralen
Vorlesungsverzeichnis (QIS)

Grunddaten

Zeit / Veranstaltungsort

Die Zeiten der Veranstaltung stehen nicht fest.

Erster Termin

Die Zeiten der Veranstaltung stehen nicht fest.

Dozierende

Dr. Marina Lazarov, Prof. Dr. rer. nat. Francois Holtz, Prof. Dr. rer. nat. Christian Mikutta, Dr. Leopold Sauheitl

📢 Ankündigungen

➤ 📢 Seminar registration (VbP) between 14.04 and 30.04; Acceptance of VbP only until Fr. 12.09.2025

Dr. Marina Lazarov 10.03.2025 10

▼ 📢 Wie sammelt man Unterschriften für dieses Modul in SoSe25/How to collect signatures for this module:

Dr. Marina Lazarov 26.04.2024 90 📄

1. You can attend any seminar/colloquium at the LUH IESW (listed below) or Geozentrum (BGR, LIAG, ...), but you must get a signature from a LUH lecturer on sight (or from Dr. Insa Cassens, at the LIAG seminar). I cannot guarantee that any lecturer will be present at Geozentrum. I will announce online seminars/colloquia (BGR, LIAG, ...) here and in Stud.IP "Studiengang Geowissenschaften". Only the specifically announced event can be credited with online participation and summary (approx. 1/2 page_ forwarded to me).

2. A maximum of 3 conference contributions of at least 30 minutes each with a short summary (approx. 1/2 page each) and a certificate of participation in the conference (forwarded to me), can also be credited.

LUH Seminare und Kolloquien/seminars and colloquia in SoSe2025:

A: 📄 Seminar: Spezielle Themen der Geochemie und Mineralogie - Always English

🔗 https://studip.uni-hannover.de/dispatch.php/course/details?sem_id=d4ef0a68da8a2a5eb5fb7acc5d705e95&again=yes

Dienstag/Tuesday: 14:00-15:00 Geb. 2501, Raum 129 (Info. Prof. C. Mikutta)

B: 📄 Colloquium: Kolloquium zur Bodenkunde

Differences Stud.IP and QIS

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- Recordings of lectures
- Bulletin board for offers and requests (e.g. furniture, books, housing)
- Video conferences via BigBlueButton (meetings) to be held within courses and study groups, for virtual teamwork or hybrid scenarios in courses

- Registration for course

QIS – EXAM ADMINISTRATION

QIS is the **central portal for exam administration**. Students can only register and deregister for exams online via the QIS portal. You can also use the portal to

- print your transcript of records,
- view an overview of your examination and/or study achievements,
- download and print out your enrolment certificate.

You register using your **LUH-ID** and the **QIS password**, which is identical to the account manager's password (please do not use your previous application data!).



Central exam administration portal

[QIS portal](#)

- Registration for Exams
- Mandatory registration!

Examination Types (PL) are mostly written examination (K) or oral examination (MP) Homework (HA):

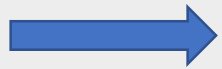
- if the student fails at the first try, it can be repeated twice. In the case of a written examination, after three failures, there is a supplementary final oral examination.
- graded
- registration required within a fixed the registration period
- registration online in QIS Portal

Examination Type: Course-accompanying examination (VbP):

- is a form of examination that is taken during the semester
- consists of up to four partial examinations, e.g. homework, seminar papers, oral presentations, calculation exercises or lab exercises
- all parts must be passed in order to pass the module
- registration required during the registration period in QIS Portal

Course work (SL) mostly attendance, or exercises, homework but also written examination:

- can be repeated as often as required
- ungraded
- no registration or deregistration required

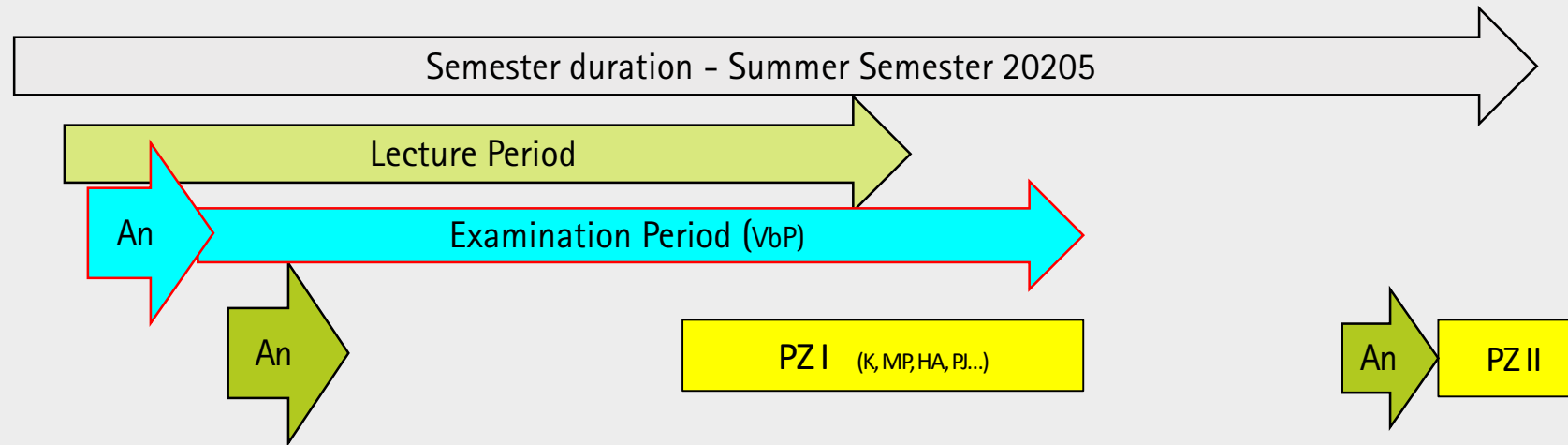


A module usually consists of 1-2 course works and/or 1-2 exams

Seminar on Scientific Work:

- Course work: Participation to 12 seminars/colloquia announced via Stud.IP. Validation is made the Module responsible person, after showing the formular attesting the participation to the talks.
- VbP: Seminar presentation on the Master's thesis in a seminar/colloquium of the Department of Soil Science, Geology, Mineralogy
- registration of the VbP must be made during the registration period

Registration and Examination Periods



Lecture Period:	07.04.2024 – 19.07.2025
Registration (VbP):	15.04.2025 – 30.04.2025
Registration (PZ I):	15.05.2025 – 31.05.2025
Examination Period (VbP):	01.05.2025 – 31.08.2025
Examination Period I:	16.06.2025 – 31.08.2025
Registration (PZII):	16.09.2025 – 23.09.2025
Examination Period II:	24.09.2025 – 14.10.2025

Example:

- Mineral Resources = MP
- Geodynamics of mid-ocean ridge systems = VbP (AA) and VbP (PR)
- Technical Mineralogy = VbP (60%)+ K (40%)

An Anmeldung – Registration

PZ Prüfungszeitraum – Exam Period

VbP Veranstaltungsbegleitende Prüfung – Course-accompanying examination

Registration and examination periods do not apply to Projects, Master Thesis and conditional courses.



registration via form or E-Mail to examination office

Projects (ST):

- speak to the examiner about the theme
- send the theme and the starting date to the examination office via E-Mail
- Start is possible any time

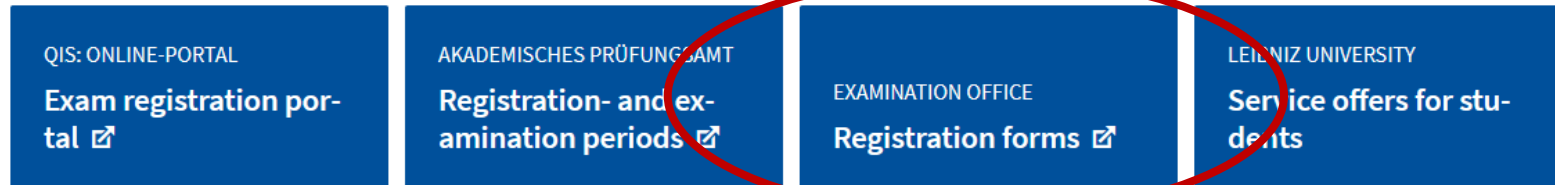
Master Thesis(MA):

- first apply for admission at the examination office using a form
- Admission requirement 50 CP
- send the theme and the starting date to the examination office via E-Mail

Registration and Examination Periods

EXAMS: DATES, REGISTRATION AND INFORMATION

To complete a module, examinations must be taken during the course of study. As a rule, registration for examinations takes place online at the Academic Examinations Office during the registration period. The examination modalities can be found out via Stud.IP or directly from the examiners.



Contact in examination matters

Contact informations

Conditional Modules (Auflagen):

- Register with the examiner
- Submit the certificate by the end of the 2nd semester to the admission office

Deregistration Deadlines

Deregistration in QIS or with the Examiner

Written Exam (K):

online in OIS until 7 days before the start of the exam

All other exams (VbP, MP, ST, PJ,HA):

continuously until the start of the examination (e.g. topic is issued, start of first part) with the examiner (via Mail)

7. Tag	6. Tag	5. Tag	4. Tag	3. Tag	2. Tag	1. Tag	Prüfung
Abmeldung bis 23:59							Klausur
						Abmeldung bis 23:59	MP
Mo	Di	Mi	Do	Fr	Sa	So	Mo

Withdrawal after the designated period:

- after expiry of the deadline for the type of examination, but without delay!

- by stating important reasons

- with form

- to the examination board:

(Geowissenschaften@pa.uni-hannover.de)

Formulare für Prüfungsrücktritt & Fristverlängerungen sowie zur Teilnahme an einer Prüfung unter Vorbehalt

- [Rücktrittserklärung wegen Krankheitsbedingter Prüfungsunfähigkeit \(Anlage 4a\)](#) (PDF, 232 KB)
- [Rücktrittserklärung / Verlängerung der Bearbeitungszeit aus wichtigen Gründen \(nicht krankheitsbedingt\) \(Anlage 4c\)](#) (PDF, 131 KB)
- [Verlängerung der Bearbeitungszeit wegen krankheitsbedingter Prüfungsunfähigkeit \(Anlage 4b\)](#) (PDF, 212 KB)
- [Teilnahme an Prüfungen unter Vorbehalt](#) (PDF, 218 KB)

Excused or Unexcused Withdrawal

The Examination Board decides whether your valid reasons are approved or not.

Withdrawal, excused (RTE)	→	no failed attempt
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Withdrawal, unexcused (RTU)	→	grade 5.0 or NB and failed attempt
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Regulations about failing the Degree Programme

- A failed exam can be repeated twice (3 attempts overall)
- After 3 failed exams in the same module, you will be exmatriculated from the Degree Programme
- If the last attempt for a module had the exam form „written exam“ there will be a supplementary oral exam before failing ultimately.

Contact persons

CONSULTANCY SERVICES AND CONTACTS

Programme coordinator



Dr. Nadja Pierau

PHONE [+49 511 762 17210](tel:+4951176217210)

EMAIL pierau@nat.uni-hannover.de

ADDRESS Herrenhäuser Straße 2
30419 Hannover

BUILDING **4105**

ROOM **A005**

OFFICE HOURS Wed. 09:00 - 10:00
Thu. 13:00 - 14:00
and by appointment

Specialised counselling



Dr. Marina Lazarov

PHONE [+49 511 762 4084](tel:+495117624084)

FAX [+49 511 762 3045](tel:+495117623045)

EMAIL m.lazarov@mineralogie.uni-hannover.de

ADDRESS Callinstraße 3-9
30167 Hannover

BUILDING **2501**

ROOM **143**

Examination Office:
Svenia Hitchen

(Svenia.Hitchen@zuv.uni-hannover.de)

Examination Board:
Prof. Dr. Stefan Weyer

(s.weyer@mineralogie.uni-hannover.de)

Advice abroad and recognition of
achievements abroad :

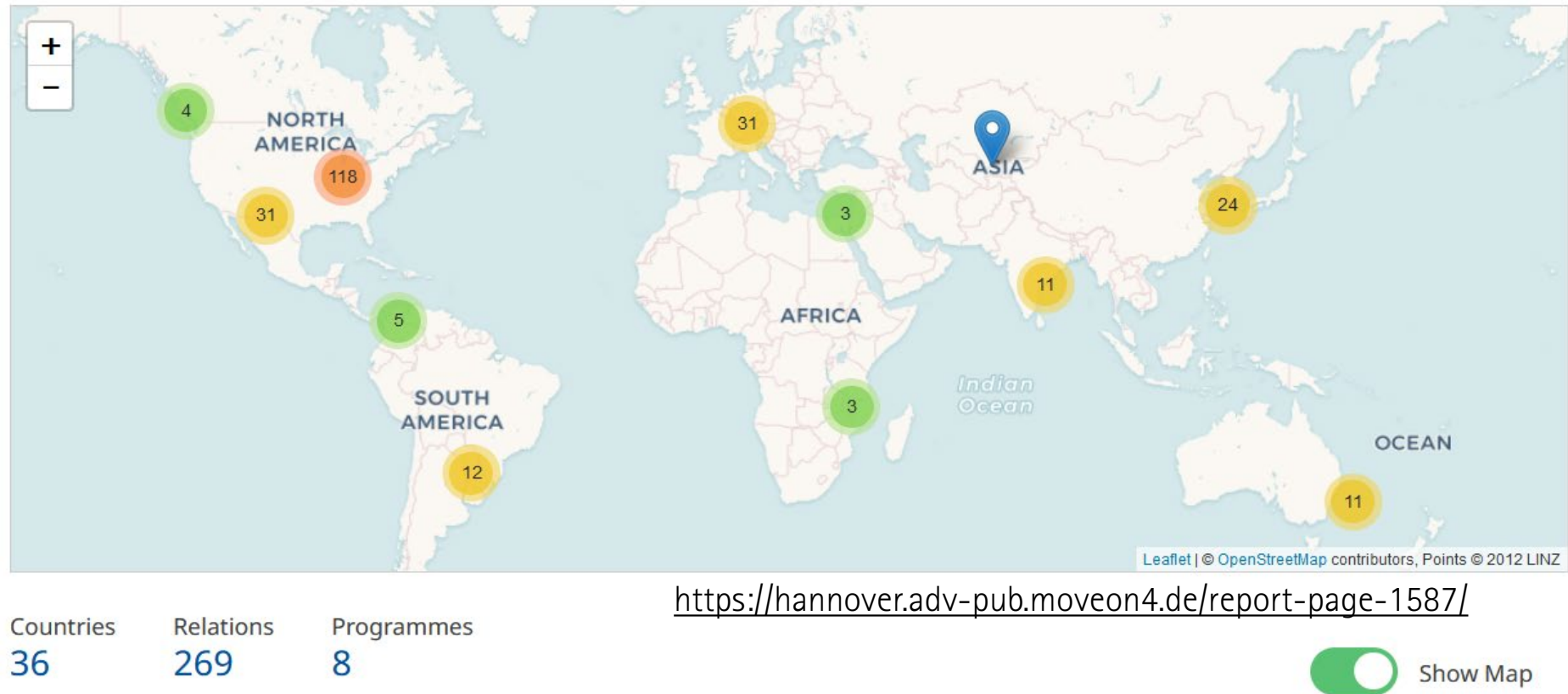
Prof. Dr. F. Holtz (f.holtz@mineralogie.uni-hannover.de)



Exchange Opportunities

11
102
1004

Leibniz
Universität
Hannover



Kredite für Internationale: www.lendorse.com

DAAD Ausland Stipendien: www.auslands-stipendien.de

<https://www.studieren-weltweit.de/content/uploads/2020/06/mit-stipendium-ins-ausland.pdf>

<https://www.daad.de/de/im-ausland-studieren-forschen-lehren/stipendien-finanzierung/wichtige-hinweise-zu-daad-stipendien/>



Introduction to the Major Soil / Water

Coordination: Prof. G. Guggenberger

Institute of Earth System Sciences

Section Soil Science

3 Research Groups

- Soil Biophysics (Stephan Peth)
- Soil Chemistry (Georg Guggenberger)
- Digital Soil Mapping (Sabine Chabrillat)



<https://www.soil.uni-hannover.de/en/>



Introduction to the Major: Sedimentary Systems and Tectonics AND Applied Geology and Geophysics

Coordination: Prof. U. Heimhofer and Prof. J. Winsemann

Institute of Earth System Sciences

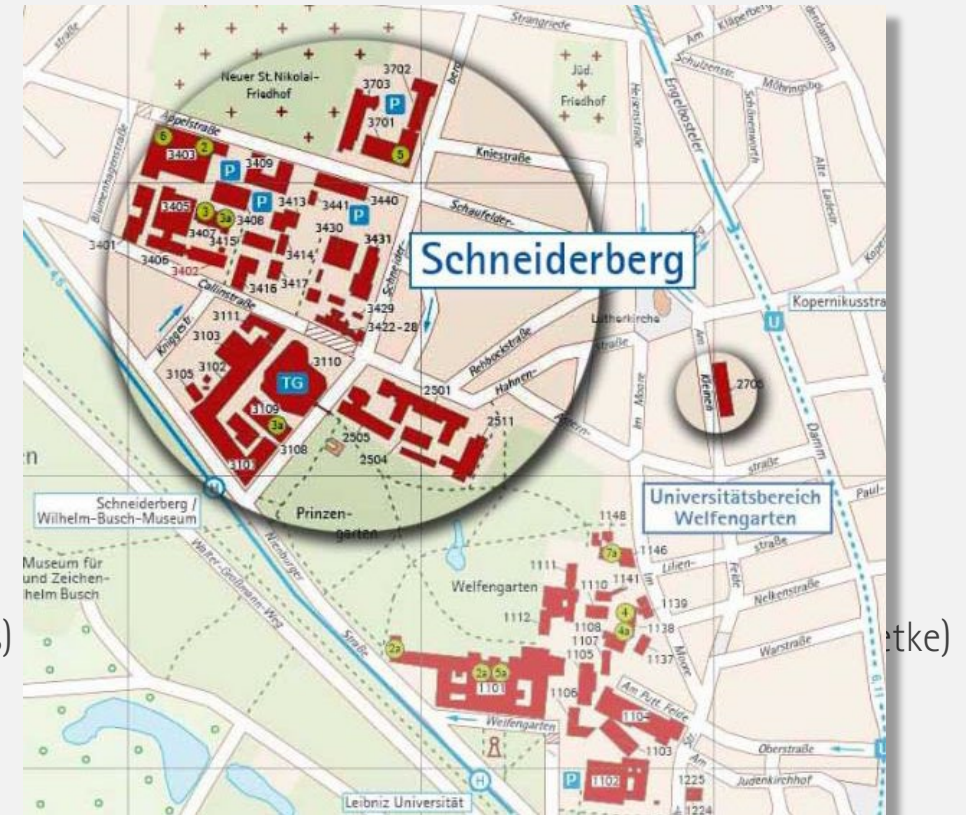
3 Research Groups

Section Geology

- Tectonics, Structural Geology and Tectonic Geomorphology
- Sedimentology, Stratigraphy and Palynology
- Quaternary Geology, Clastic Sedimentology , Basin analysis /
Basin modelling, Neotectonics (Jutta Winsemann)
- Geophysics (Seismics, Gravimetry, Magnetics, Geoelectrics and Electromagnetics)



<https://www.geologie.uni-hannover.de/en/>





Introduction to the Major Mineralogy/Geochemistry

Coordination: Prof. F. Holtz

Institute of Earth System Sciences

Section Mineralogy

3 Research Groups

- Soil Mineralogy (Christian Mikutta)
- Geochemistry (Stefan Weyer)
- Petrology (François Holtz)

➔ <https://www.mineralogie.uni-hannover.de/en/>



next events organised from student council

KW 15	Mo. 07.04.2025	Di. 08.04.2025	Mi. 09.04.2025	Do. 10.04.2025	Fr. 11.04.2025
8:00		8:15 - 10:45 Modellierung geologischer Prozesse		8:15 - 9:45 Modellierung geologischer Prozesse	8:15 - 12:00 Mineral Resources
9:00					9:00 - 11:00 Geophysik II mit Praktikum
10:00				10:00 - 11:30 Introduction to the Master Programme	
11:00		11:30 - 13:00 Quartärgeologie			
12:00					
13:00				13:15 - 14:45 Modellierung geologischer Prozesse	13:15 - 14:45 Technical Mineralogy
14:00			14:30 - 16:45 Grundlagen der Werkstofftechnik für Geowissenschaften		14:00 - 15:00 Isotope and Trace Element Analyses of
15:00					15:00 - 17:00 Campus Tour
16:00				16:30 - 19:00 City Tour	
17:00					17:00 - 0:00 Barbecue & Get Together
18:00					



Any Questions?

