



Dr. Friederike Körting
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Driven, goal-oriented, bilingual (German, English) geologist and entrepreneur who excels in data analysis & presentation, science communication and creative problem solving. Versatile background in geological remote sensing, scientific technology transfer and scientific project management.

Education

- June/2017 – April/2021 **Dr. rer. nat studies**, University of Potsdam, Germany
“Hybrid Imaging Spectroscopy Approaches for Open Pit Mining Environments”, <https://doi.org/10.25932/publishup-49909>
(Grade: summa cum laude)
Extensive additional trainings on the topics of e.g. „The Future of Mining“, „The Business of Mining“, “Sustainable Development – The Post-Capitalist Order”, “Computing in Python”, “Deep Learning Essentials”, “Open Science”
- Feb/2014 – Nov/2016 **M.Sc. Geosciences**, University of Potsdam, Germany
GPA: 1.4 (ECTS Grade: A); Including an ERASMUS exchange to Milan, Italy
- Oct/2010 – Feb/2014 **B.Sc. Geology**, Freie University of Berlin, Germany
GPA: 1.7 (ECTS Grade: A-)

Professional Experience

- April/2021 to date **Geological Hyperspectral Application Specialist** at Norsk Elektro Optikk AS – HySpex Division, Oslo, Norway
- Jan/2019 to date **Founder member** of “rad.Data Spectral Analytics UG (haftungsbeschränkt)”
A company focusing on spectral analytics to enhance processes in the mining environment and improve the ecological footprint of mining
- June/2017 – April 2021 **Research associate**, GFZ Potsdam, Germany in the projects *REEMAP* (Hyperspectral MAPPING of Rare Earth Elements), *LIGHTS* (Lightweight Integrated Ground and Airborne Hyperspectral Topological Solutions) and *REMON* (Remote Monitoring of Tailings using Satellites and Drones)
- June/2014 – June/2017 **Graduate Research Assistant and Master Thesis**, GFZ Potsdam, Germany
<https://doi.org/10.2312/GFZ.b103-19071>
- Aug/2014 **Internship, On-site scientific geologist**, “Collisional Orogeny in the Scandinavian Caledonides” project, Åre, Sweden,
- Mar and Aug/2013 **Internship**, Centre of Excellence for Climate System Analysis and Prediction (CliSAP), University of Hamburg, Germany
- Apr/2013 – June/2013 **Bachelor Thesis and Internship**, GFZ, Potsdam, Germany
doi:10.5194/isprsarchives-XL-1-W5-417-2015
- Aug/2012 – Oct/2012 **Internship**, Alfred Wegener Institute, exploring ice and oceans, Wadden Sea Station, Sylt, Germany

Skills & Expertise

Languages

German	
English	
Italian	
French	
Swedish	

IT Skills

MS Office Suite	
Envi Expert Systems	
Python	
ArcGis and QGis	
Inkscape	

Relevant Experiences outside of scientific scope

Workshop Attendance of the “FDAYS Fraunhofer Venture Lab”	Sales and marketing experience for the technological transfer
Scientific technology transfer for the GFZ by organizing commercial exhibition appearances at the <i>PDAC</i> , the <i>Exponor</i> , <i>Antofagasta</i> ; the <i>DMT Bergbauforum</i> , the <i>Perumin</i> , the <i>Mining Indaba</i>	Conference and workshop attendance, including the presentation of my research results in Iran, Austria, Germany, the Republic of Cyprus, Italy and Brazil
Design of promotional material and exhibition booth organization of above-mentioned exhibitions as well as LinkedIn and Website content creation for the spin-off “rad. Data Spectral Analytics”	Founding member of GFZ spin-off “rad. Data Spectral Analytics UG”. Processing customer inquiries, development of promotional material and supply presentations and client inquiry processing in the area of laboratory- and satellite-based spectroscopy by surveying, analyzing and the presentation of results via “technical reports” to the client

Volunteer Experiences

2019 to 2020	“Create your Future” student workshops and climate congress Organization of workshops and a climate congress to present the student-developed workshop-solutions. Technical oriented workshops to solve the climate crisis at the Technical University Berlin, recruitment of companies like “Ecosia” and “STOP! MICRO WASTE” and the district office for financial support and documentation of the workshops by film
2016 to 2019	Fitness course instructor at Freie University Berlin
Oct/2017	Bergwaldprojekt e.V. Participation - environmental protection program

About my drive

I enjoy learning and re-focusing my professional interest and expertise. My personal development is similarly led by this drive to grow and change. I participate regularly in online trainings, e.g., certified programs on edX regarding python programming, Introduction to AI or sustainable development. Thriving in a group setting is as important to me as working independently. I found a lot of my joy in exercising, here I’m able to set my own goals and to achieve them as well as push others. I believe traveling is a great way to gain new perspectives and to exchange ideas this led me to pursue my education and fieldwork in various countries all over the world.

References

I am happy connect you to people who can refer to my work-ethics and experiences.