

## Sabine Friederike Hennig

### WORK EXPERIENCE

since 2022

#### D/ Senior Scientist and Lecturer

Department of Geoinformatics – Z\_GIS, University of Salzburg, Austria

- Lectureship: Geoinformatics, Cartography
- CEEPUS and Erasmus Teaching Mobility (e.g., Uzbekistan)
- Project management and acquisition of third party funds
- Research activities: Geo participation/ Geo Citizen Science; development of teaching materials

2021-2022

#### Visiting Professor Cartography and Geoinformatics

Institute for Geography at Regional Planning, University Vienna, Austria

- Lectureship: Geoinformatics, Cartography
- CEEPUS Teaching Mobility (Hungary)
- Research activities: Geo participation/ Geo Citizen Science; Participatory Design, analysis and processing of spatial environmental data (Data Science, KI, Deep Learning)

2012-2021

#### Senior Scientist and Lecturer

Interfaculty Department of Geoinformatics – Z\_GIS, University of Salzburg, Austria

- Lectureship: scientific working, geoinformatics and society, etc.
- Erasmus (e.g., Central Asia) and CEEPUS (Hungary) teaching mobilities (courses on introduction to GIS, web GIS, spatial analysis, story maps, crowd mapping and participation)
- Project management and acquisition of third party funds
- Research activities: development of web map/ GI applications for special need user groups (accessibility, usability issues), geo participation, geo citizen science; participatory design, analysis and processing of environmental spatial data, ecosystem services

2016

#### Postdoc Fellow

Kyrgyz State University of Construction, Transportation and Architecture, Bishkek, Kyrgyzstan

- Lectureships: web GIS, spatial analysis
- Research on crowd mapping activities in Kyrgyzstan, use of geo ICT in visitor management in Kyrgyz recreational sites
- Running a workshop on participation (DAAD), conference participation (GSCA 2016)

2009 - 2013

#### Senior Scientist

Institute for Geographic Information Science, Austrian Academy of Sciences (OeAW)

- CEEPUS teaching mobilities to Bulgaria, Poland, and Hungary (courses on database modelling, application development, spatial analysis)
- Project management and acquisition of third party funds
- Research on SDI development regarding environmental protection spatial data, development of web map applications for special need user groups (focus on accessibility)

2007 - 2008

#### Freelancer

Berchtesgaden National Park, Germany; Weißbach Nature Park, Austria; Institute of Geography, FAU Erlangen-Nürnberg etc.

- Lectureships: nature protection, protected area management, zoogeography, biogeography, etc.
- Project management and acquisition of third party funds
- Design of recreational sites, visitor management and monitoring strategies and approaches

2004 - 2006

#### Postdoc Fellow

Institute of Geography, University of Erlangen-Nürnberg/ Berchtesgaden National Park, Germany

- Lectureships: nature protection, protected area management, and biogeography, etc.
- Project management and acquisition of third party funds
- Research: visitor monitoring (data collection and analysis of visitor behavior, characteristics and numbers as well as recreational infrastructure, modelling and visualization of visitor flows)
- Leader of working group, supervision of theses and internships (Berchtesgaden National Park)

2000 – 2003

### Junior Scientist

GUC mbH München/ Berchtesgaden National Park, Germany

- Development of an interactive digital map application to support the Berchtesgaden National Park administration in its management tasks
- Statistical data analysis and visualization, database modelling for storage and management of data related to the administration of the Berchtesgaden National Park (e.g., environmental education, visitor management, management plan data)

1998 – 1999

### Scientific Employee

Scientific employee Berchtesgaden National Park, Germany

- Conception and implementation of environmental education events
- Statistical data analysis and visualization of national park management related data (e.g., environmental education, wildlife monitoring and management, visitor management)

## EDUCATION AND TRAINING

2023

### Certificate for University Teachers “Education for Sustainable Development”

- Alliance of Sustainable Universities in Austria

2021

### Habilitation

- University of Salzburg, Austria
- Title: *Online Geoparticipation - People-Related Success Factors*

2012

### Certificate Requirements Engineering Foundation Level

- University of Salzburg, Austria

2006 – 2008

### Certificate University Didactics

- FAU Erlangen-Nürnberg

2000 – 2003

### Doctoral Studies Applied Geoinformatics

- University of Salzburg, Austria
- Doctoral degree; Title: *Interactive Screen Map – “Interface Knowledge”*

1998 – 1999

### Certificate Mathematical Methods and Models for Geoscientists

- Free University of Berlin

1990 – 1998

### Diploma Degree Physical Geography

- FAU Erlangen-Nürnberg

1993 - 1995

### Certificates Geography of Spain/ South America; Internship

- University of Seville, Spain

1989 - 1999

### Certificates Politics and Sport

- De Anza College Cupertino, CA, USA

1989 - 1999

### German “Abitur”

- Herder Gymnasium Forchheim

## PERSONAL SKILLS

Mother tongue(s)

German

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C 1	C 1	C 1	C 1	C 1
Spanish	C 1/2	C 1/2	C 1/2	C 1/2	C 1/2
Russian	A2	A2	A2	A2	A2
Italian	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user;  
Common European Framework of Reference for Languages

## Soft skills

- Good communication and presentation skills
- Intercultural sensitivity, social and interpersonal skills
- Problem-solving, creativity and responsibility
- Teamwork, good organisational skills, leadership skills (teams with up to 5 people)

## IT skills

- GIS/ RS (e.g., ArcGIS Pro/ ArcGIS online, QGIS, GeoDa, Geomedia, eCognition)
- Web-Mapping (e.g., Geoserver, MapServer, OpenLayers, Leaflet)
- Database Management Systems (e.g., Oracle, MySQL, PostGIS, PostgreSQL)
- Statistical software (e.g., SPSS, R)
- Graphics programs (e.g., CorelDraw, FreeHand)
- Programming languages (e.g., R, Python, VB, HTML, PHP, Java Script)
- E-learning platforms (e.g., Moodle, Blackboard)

## HEI Teaching experience

Bulgarian Academy of Sciences, FAU Erlangen-Nürnberg (Germany), FH Freising-Weihenstephan (Germany), IUBH (Germany), Jagiellonian University (Poland), KSU Khorog (Tadzhikistan), KSUCTA (Kyrgyzstan), LMSU (Russia), OBUDA (Hungary), NUU (Uzbekistan), RTSU Dushanbe (Tadzhikistan), TIAME (Uzbekistan), TU Darmstadt (Germany), TU Osh (Kyrgyzstan), University Bremen (Germany), University Ljubljana (Slovenia), University Salzburg (Austria), University Vienna (Austria), University West Hungary,