

# Curriculum vitae

## Personal data:

Name: Philipp Häuselmann  
Title: Dr. rer. nat., Privatdozent  
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Date of birth: 28.9.1971  
Origin: Thun (BE)  
Nationality: Swiss  
marital status: married

## Formation:

1978-1986 8 years primary and secondary school, Bern  
1986-1990 4 years high school Kirchenfeld, Bern  
1990 Matura, Type B (languages)  
1991-1997 Studies of Mineralogy and Geology, University of Bern  
17.4.1997 Diploma, University of Bern (MSc, Prof. Engi)  
1998-2002 PhD thesis, University of Fribourg (Proff. Monbaron/Jeannin)  
12.7.2002 PhD defense, Title obtained: Dr. rer. nat.  
2002 - 2003 PostDoc, Purdue University (Prof. Granger)  
2005 PostDoc/Scientific Collaborator, BOKU Vienna (Prof. Fiebig)  
8.3. 2010 Habilitation defense, BOKU Vienna

## Languages:

bärndütsch mother language  
german spoken and written  
french spoken and written  
english spoken and written  
latin 6 years  
romanian everyday use

## Jobs:

1990-1991 Employee at Information Center of the Town of Bern, for software installation and troubleshooting  
1992-1995 Responsible for the entries of the Mineralogic-Petrographic Institute (MPI),

	University of Bern, into the geochemical database "Terdat"
1994-1997	Assistant (~15 %) at MPI, University of Bern, mainly for practical courses for undergraduates
1994-2001	Assistant (25 %) at the Earth Sciences Departement of Natural History Museum Bern. Jobs: caretaking of the collection, updating the database, determination of minerals, microprobe work, sample treatment for geochemistry
1997-1998	Assistant (25-50 %) at the Geologic Institute, University of Bern, for fluid inclusion studies on diagenetic cements, as well as assistance for practical courses
1998-2002	Assistant at University of Fribourg (PhD student)
2002-2003	PostDoc researcher at Purdue University (Indiana, USA)
2003-2004	Unpaid sabbatical used for the preparation of the St. Beatus Cave monography, followed by partial employment by the BOKU Vienna for chemical preparation of cosmogenic isotopes.
2005	Scientific collaborator, BOKU Vienna, for dating sediments by cosmogenic isotopes.
2005-	PhD / diploma supervisor for Austria, Slovenija and Romania
2006-	Scientific collaborator, Swiss Institute for Speleology and Karst studies, for several projects concerning karst and caves.
2009-2010	Guest Professor, University of Vienna, for lectures on karst and caves.
2012-	Community counselor, for water, energy, and infrastructure
2013-	Lecturer, BOKU Vienna, for general hydrogeology

### **Research:**

Please see the list attached for a complete review of the past, present, and future projects. The main axis of research is along the two following lines:

- Speleogenesis: Evolution of the caves in relation to the geomorphologic evolution of the surface outside. This includes the study and the dating of sediments and therefore the paleogeomorphologic evolution.
- Dating of sediments: U/Th is used to date speleothems, and cosmogenic isotopes are used for a multitude of sediments and processes such as landslides, tectonic movement, glaciations, speleogenesis, erosion rates, climatic changes, etc.

### **Experience in teaching:**

- Introduction to Mineralogy: practical courses for beginners
- Introduction to geological and morphological mapping: practical courses for beginners
- Teacher of cavers: Geology, Mapping, Sedimentology
- Teacher of Guinier Xray techniques at MPI, University of Bern
- Supervisor of diploma theses and PhD students all over Europe

- Lectures in Karst and in General Hydrogeology, University of Vienna / BOKU Vienna

### **Field trips, communications**

- Talks at international conferences (see publication list)
- Organisation of the 2nd International Meeting on Subterranean Topography" at the 10. National Congress for Speleology in Breitenbach (SO) 1995
- Co-organisation of the 12th Int. Congress of Speleology, La Chaux-de-Fonds 1997, responsible for the "Mapping and techniques" sessions
- Organisation of the international Workshop on "Cave genesis in the Alpine Belt", Habkern, 2000.
- Leader of the field trip of University of Bern to Sieben Hengste 1997 and 2002, and University of Neuchâtel in 2004
- Organizer of field trip of University of Bern and Fribourg to Slovenija in 2000
- Co-organisation of the 14. National Congress of Speleology in Interlaken, 2019.
- Co-leading of karstologic excursions of the University of Fribourg
- Presentations about caving in schools and associations, karstologic communications, field trip leader
- Field trips in caves for mineralogists, geologists and other scientists

### **Other (benevolent) jobs:**

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|-----------|--|
| 1990-1998 | Editor, yearbook of the section of Bern of the Swiss Speleological Society SSS   |
| 1991-2001 | Redactor of the journal "Stalactite" of the SSS  |
| 1992-1998 | Archivist of SSS Bern (also 2005-2014)   |
| 1994-2001 | Member of the Scientific Commission of SSS, co-editor at "Stalactite"  |
| 1994-     | Correspondant of the SSS cave register   |
| 1997-     | President, working group "Topography and mapping" of the UIS Informatics Commission  |
| 1998-2005 | President of the Section Bern of SSS   |
| 2000-     | Member of the "Association française de karstologie"   |
| 2001-2010 | President of the scientific commission of the SSS  |
| 2001-     | Member of the speleological commission of the Swiss Academy of Sciences.   |
| 2002-2013 | Editorial board, Speleogenesis and Evolution of Karst Aquifers (Onlinejournal, <a href="http://www.speleogenesis.info">www.speleogenesis.info</a> ). |
| 2005-     | International Editorial board, Int. Journal of Speleology.   |
| 2008-     | Editorial board, Journal "Karstologia"   |
| 2012-     | Redactor of the journal "Stalactite" of the SSS (yes, again...)  |