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**Academic Degree:** Dr. sc. Natw.  
**Date of birth:** 14. Mai 1968  
**Nationality:** Swiss  
**Marital status:** Married, 2 children (born 2001 and 2004)

### Academic Education

1988 – 1994 Studies in Environmental Natural Sciences, ETH Zürich  
1986 – 1999 Ph.D. in Forest Sciences ETH Zürich, Switzerland “Structures in mountain forests as a basis for different forest functions”.  
Award: ETH - medal for an outstanding Ph.D – Dissertation

### Professional Experiences

1992 Internship Swiss National Parc Zerne, Switzerland  
1995 Environmental Consulting, Risk analysis and GIS (ILU Alpin, Samaden, Switzerland)  
2000 – 2001 Postdoc at Department of Geography, Biogeography lab, University of Colorado (Prof. Dr. T.T. Veblen) and Institute of Arctic and Alpine Research, (INSTAAR) Boulder, Colorado, USA  
2001 – 2006 Swiss Federal Institute for Snow and Avalanche Research; Project- and teamleader  
2006 – 2010 Swiss Federal Institute WSL, Davos, Switzerland  
Leader of the Forest- and Treeline Ecotone Group, RU Ecosystem Boundaries  
Since 2011 Swiss Federal Institute WSL, Davos, Switzerland  
Leader of the group “Mountain Ecosystems”, RU Community Ecology

### Main research projects completed

2000 – 2001 Disturbance Interaction in a Subalpine Rocky Mountain Forest Landscape  
Function of P. Bebi: Postdoc and applicant for funding  
2002 – 2005 Regeneration on windthrow areas: Predictive modeling of forest regeneration  
Function of P. Bebi: Project leader and Co-advising of Ph.D-student  
2002 – 2005 ALPSCAPE Vulnerability of the Alpine Landscape and Habitat (NFP48).  
Function of P. Bebi: Main-applicant and project leader  
2002 – 2005 WASALP Forest expansion in the Alps (NFP48, Project leader P. Baur)  
Function of P. Bebi: Co-applicant, responsible for vegetation dynamics.  
2003 – 2007 Spatially explicit valuation of ecosystem services in the Alps (SNF)  
Function of P. Bebi: Advising of Ph.D-student.  
2004 – 2006 Structure and biodiversity in avalanche tracks: changes due to avalanche exclusion  
(Velux-Foundation, Project leader C. Rixen)  
Function of P. Bebi: Co-applicant  
2005 – 2007 Ecological and economic assessment of artificial snow in the Alps (MAVA  
Foundation, Project Leader C. Rixen)  
Function of P. Bebi: Co-applicant  
2007 – 2008 CO<sub>2</sub>-Sequestration and protection effect of mountain forests (BAFU)  
Function of P. Bebi: Project leader

### Main current projects

Since 2004 Research coordination of the treeline research Site Stillberg ( Davos): Re-assessment and spatio-temporal analysis of long term data and conducting complementary experiments. Function of P. Bebi: Site- and long term data management Stillberg

2007-2010	Natural Dynamics of avalanche protection forests (VELUX-Foundation <i>Function of P. Bebi</i> : Project leader, applicant for funding)
2008-2011	MOUNTLAND Sustainable land-use practices in mountain regions: Integrative analysis of ecosystem dynamics under global change, socio-economic impacts and policy implications (CCES; Project Leader A. Rigling) <i>Function of P. Bebi</i> : Co-applicant, responsible for case study Davos
2010-2012	Development and services of mountain forests under climate change (WSL-BAFU Program "Forest and Climate") <i>Function of P. Bebi</i> : Project leader and applicant for funding

## Academic advising and teaching

### Co-advised Ph.D-Students:

2002 – 2005	Anja Rammig: Disturbance in mountain forests: Analysing, modeling and understanding successional processes after blowdown events.
2002 – 2005	Ariane Walz: Land-use changes in Alpine regions: projection and assessment
2002 – 2005	Gillian Rutherford: Forest Expansion in the Swiss Alps: Explaining the effects of environment and land-use
2003 – 2007	Adrienne Grêt-Regamey: Spatially explicit valuation of ecosystem services in the Alps.
2003 – 2006	Sonja Wipf : Winter Climate Change: Effects on Arctic and Alpine Tundra Communities
Since 2007	Frank Krumm: Natural Dynamics of subalpine avalanche protection forests.
Since 2009	Michaela Teich: Valuation of ecosystem services in mountain forests.
Since 2009	Natalie Zurbriggen: Extending and improving the forest-landscape model TreeMig for key ecological processes at the upper treeline of Swiss subalpine forests.

### Advised postdocs

2004 – 2005	Dominik Kulakowski, currently Assistant Professor at Clark University, MA, USA.
2007 - 2010	Momchil Panayotov, Bulgaria
Since 2010	Ignacio Barbeito Sanchez, Spain

### Regular academic teaching:

Since 2004	Mountain forest ecology: Practical training. ETH Zürich (Environmental sciences) and Uni Freiburg (Forest sciences)
Since 2002	Various field excursions and courses for different universities and forestry schools (ETH Zürich, Uni Zürich, Uni Göttingen, FH Wädenswil, FH Zollikofen, Försterschule Maienfeld)

### Selected affiliations and services:

- International: IUFRO (International Union of Forest Research Organisations):Coordinator IUFRO Group 8.03.02 Snow and Avalanches.
- National: GWG (Schweizerische Gebirgswaldpflegegruppe).
- Local: Leitbildgruppe Davos.
- Reviewed manuscripts for Arctic, Antarctic and Alpine Research, Agriculture, Cold Regions Science and Technology, Ecosystems and Environment, Austrian Journal of Forest Research, Forest Ecology and Management, Forestry, Journal of Environmental Management, Journal of Ecology, Landscape Ecology, Mountain Research and Development, Plant Biosystems, Schweizerische Zeitschrift für Forstwesen,
- Phenological Observation for the Swiss Federal Office for Meteorology and Climatology (MeteoSwiss).