

Contact

Sebastien.Boillat@giub.unibe.ch

Home ++41 32 341 16 48

Office ++41 31 631 88 60

Mobile ++41 79 690 46 51

Geyisriedweg 38

CH-2504 Biel-Bienne, Switzerland



Personal data

Date/Place of Birth 30th April 1977/Biel-Bienne, Switzerland

Nationalities Swiss, Bolivian

Marital status Married

Current position

Institute of Geography, University of Bern

Since March 2016 - Post-Doc Researcher (90%)

Projects: [Governing telecoupled natural resource systems for environmental justice](#) (60%);
[Agricultural Climate Resilience to El-Nino in sub-Saharan Africa](#) (30%)

Work experience

National Space Research Institute (INPE), São José dos Campos, Brazil

September 2014-
December 2015 - Executive Officer, Global Land Project

Operational coordinator of the Global Land Project (GLP) of the International Geosphere Biosphere Interactions Programme (IGBP) and Future Earth Core Project

Department of Geography and Environment, University of Geneva,
Switzerland (based in Bolivia)

March 2012 –
August 2014 - Senior Research Scientist

Coordination of a research team on land use/land cover change in relation with socio-economic, cultural and political drivers in Bolivia and Lao PDR; mapping, geoprocessing and modelling

Natural Resource Institute, University of Manitoba, Canada

March 2011-
February 2012 - Visiting Post-doc researcher

Research in community-based natural resource management, institutional change and land use in the Bolivian highlands

Centre for Development and Environment, University of Bern, Switzerland

March 2010 -
February 2011 - Post-doc researcher

Research in rural development, bio-cultural diversity; fundraising and publications

Swiss Agency for Development and Cooperation, Bern, Switzerland

March 2009 -
February 2010 - Associate Expert: Estación Experimental de Pastos y Forrajes, Matanzas, Cuba

Coordination and monitoring of BIOMAS project: renewable energy for sustainable rural development; development of agroecological indicators of sustainability

March 2008 –
February 2009 - Junior Programme Officer: Policy Analysis Division, Bern

SDC position papers, OECD-DAC desk support, DAC Peer-review Memorandum of Switzerland

July 2006 – November 2007 Centre for Development and Environment, University of Bern, Switzerland
- PhD Candidate
PhD Thesis: "Traditional ecological knowledge, land use and ecosystem diversity in the Tunari National Park (Bolivia)"

January 2003 – June 2006 Agroecología Universidad; Cochabamba, San Simón University, Cochabamba, Bolivia
- Research Associate
Field research in vegetation ecology, ethnoecology, indigenous knowledge revitalization projects, conferences, lectures, peasant organization outreach, conflict mediation.

November 1999- March 2000 Intercooperation, Programa de Bosques Nativos Andinos (PROBONA); Potosí, Bolivia
- Intern
Database on agroforestry practices and soil conservation in high Andean forest landscapes

Education

January 2004- November 2007 **PhD in Geography (Dr. Phil.-nat)**
Institute of Geography, University of Bern, Switzerland

September 1997- December 2002 **MSc. Degree in Environmental Science (Dipl. Umwelt. Natw. ETHZ)**
Swiss Federal Institute of Technology, Zurich, Switzerland

August 1993- July 1997 High School Degree, option C (scientific)
Gymnase Français de Bienne, Biel/Bienne, Switzerland

Language and Computer skills

Languages	French	mother tongue
	Spanish	excellent written and oral competence (C2 level)
	English	very good written and oral competence (C1 level)
	German	very good written and oral competence (C1 level)
	Portuguese	intermediate competence
	Quechua	basic competence
Computer	ArcGIS 10, R, Quantum GIS, Atlas TI, Linux, Microsoft Office, Adobe CS	

Referees

- **Prof. Chinwe Ifejika Speranza**; Institute of Geography, University of Bern; 3012 Bern, Switzerland; ++41 31 6313860; chinwe.ifejika.speranza@giub.unibe.ch

- **Prof. Dr. Stephan Rist**; Centre for Development and Environment, University of Bern; 3012 Bern, Switzerland; ++41 31 631 88 22; stephan.rist@cde.unibe.ch

- **Prof. Dr. Frédéric Giraut**; Department of Geography and Environment; University of Geneva; 1211 Genève, Switzerland; ++41 22 379 83 32; Frederic.Giraut@unige.ch

- **Prof. Dr. Fikret Berkes**; Natural Resources Institute; University of Manitoba; 303-70 Dysart Road; Winnipeg, Canada; R3T 2N2; ++1 204 474 6731; Berkes@cc.umanitoba.ca

Publications

Peer-reviewed articles in academic journals

- 2017 [Boillat S](#), Gerber JD, Oberlack C, Zaehringer J, Ifejika Speranza C, Rist S. Environmental justice in telecoupled conservation landscapes: a comparative analysis of four protected areas. *Ecology and Society* [in review]
- 2017 [Boillat S](#), Scarpa FM, Robson JP, Gasparri I, Aide TM, Dutra Aguiar AP, Anderson LO, Bastistella M, Fonseca MG, Fudemma C, Grau HR, Mathez-Stiefel SL, Metzger JP, Ometto JPHB, Pedlowski MA, Perz SG, Robiglio V, Soler L, Viera I, Brondizio ES. [Land system science in Latin America: challenges and perspectives](#). *Current Opinion in Environmental Sustainability* 26-27: 37-46
- 2015 [Boillat S](#), Stich C, Bastide J, Epprecht M, Thongmanivong S, Heinimann A. [Do relocated villages experience more forest cover change? Population, shifting cultivation and resettlements in the Lao PDR](#). *Environments* 2(2): 250-279
- 2015 [Boillat S](#), Dao H, Bottazzi P, Sandoval Y, Luna A, Thongmanivong S, Lerch L, Bastide J, Heinimann A, Giraut F. [Integrating forest cover change with census data: drivers and contexts from Bolivia and the Lao PDR](#). *Land* 4 (1): 45-82
- 2014 Blanco D, Suárez J, Funes-Monzote FR, [Boillat S](#), Martin GK, Fonte L. [Procedimiento integral para contribuir a la transición de fincas agropecuarias a agroenergéticas sostenibles en Cuba](#). *Pastos y Forrajes* 37 (3): 284-290
- 2013 [Boillat S](#), Berkes F. [Perception and interpretation of climate change among Quechua farmers of Bolivia: indigenous knowledge as a resource for adaptive capacity](#). *Ecology and Society* 18(4): 21
- 2013 [Boillat S](#), Serrano E, Rist S, Berkes F. [The importance of place names in the search for ecosystem-like concepts in indigenous societies. An example from the Bolivian Andes](#). *Environmental Management* 51: 663-678
- 2013 [Boillat S](#), Mathez-Stiefel S-L, Rist S. [Linking local environmental knowledge, conservation practices and ecosystem diversity: A comparative study in two communities of the Tunari National Park \(Bolivia\)](#). *Ethnobiology and Conservation* 2: 8
- 2012 [Boillat S](#), Gerber JF, Funes-Monzote F. [What politico-economic structure for degrowth? Some comments on the contribution of socialist models and Cuban agroecology](#). *Futures* 44: 600-607
- 2011 Funes-Monzote FR, Martin DJ, Suárez J, Blanco D, Reyes F, Cepero L, Rivero JL, Rodríguez E, Savran V, del Valle Y, Cala M, Vigil MC, Sotolongo JA, [Boillat S](#), Sánchez JE. [Evaluación inicial de sistemas integrados para la producción de alimentos y energía en Cuba](#). *Pastos y Forrajes* 34 (4): 445-462
- 2010 Pohl C, Rist S, Zimmermann A, Fry P, Gurung GS, Schneider F, Ifejika Speranza C, Kiteme B, [Boillat S](#), Serrano E, Hirsch Hadorn G, Wiesmann U. [Researchers' roles in knowledge co-production: experience from sustainability research in Kenya, Switzerland, Bolivia and Nepal](#). *Science and Public Policy* 37(4): 267-281
- 2004 [Boillat S](#), Burga CA, Gigon A, Backhaus N. [La succession végétale sur les anciennes cultures en terrasses de la vallée de la Roya \(Alpes-Maritimes, France\) et sa perception par la population locale](#). *Geographica Helvetica* 59 :2, 154-167

Books

- 2014 [Boillat S](#). [Protective Mountains, Angry Lakes and Shifting Fields. Traditional Ecological Knowledge and Ecosystem Diversity in the Bolivian Andes](#). Saarbrücken: Scholar's Press.
- 2013 Sandoval Y, [Boillat S](#), Salamanca L, Lerch L, Giraut F. [Zonas críticas de la gobernanza de la tierra a escalas múltiples: pautas metodológicas desde la geografía y la cartografía](#). La Paz: IIGEO-UMSA.

Book chapters

- 2011 Rist S, [Boillat S](#), Gerritsen PRW, Schneider F, Mathez-Stiefel SL, Tapia N. [Endogenous Knowledge: Implications for Sustainable Development](#) In Wiesmann U, Hurni H. (Eds.). *Research for Sustainable Development: Foundations, Experiences, and Perspectives*. Perspectives of the NCCR North South, University of Berne, Vol. 6.

Bern: *Geographica Bernensia*, pp. 119-146

- 2010 Boillat S, Alca J, Alvarez A, Bottazzi P, Ponce D, Serrano E, Biffi V, Mathez-Stiefel S-L, Larsen P, Rist S. [Protected Areas and Indigenous Peoples in Bolivia and Peru: Dilemmas, Conflicts, and Ways Out](#). In Hurni H, Wiesmann U. (Eds.) *Global Change and Sustainable Development: A Synthesis of Regional Experiences from Research Partnerships*. Perspectives of the NCCR North South, University of Berne, Vol. 5. Bern: *Geographica Bernensia*, pp. 501-515
- 2008 Boillat S, Rist S, Serrano E, Ponce D, Delgadillo J. [Struggling 'ontological communities': transformations of conservationists' and peasants' discourses in the Tunari National Park in Bolivia](#). In Galvin, M., Haller, T. (Eds.) *People, Protected Areas and Global Change: Participatory Conservation in Latin America, Africa, Asia and Europe*. Perspectives of the NCCR North South, University of Berne, Vol. 3. Bern: *Geographica Bernensia*, pp. 37-80
- 2007 Mathez-Stiefel S-L, Boillat S, Rist S. [Promoting the Diversity of Worldviews: An Ontological Approach to Biocultural Diversity](#). In Haverkort, B., Rist, S. *Endogenous Development and Bio-cultural Diversity*. Compas Series on Worldviews and Sciences, Vol.6. Leusden: ETC/COMPAS, pp. 67-81
- 2006 Serrano E, Boillat S, Rist S. [Incorporating Gender in Research on Indigenous Environmental Knowledge in the Tunari National Park in the Bolivian Andes](#). In Premchander S, Müller C. (Eds.) *Gender and Sustainable Development. Case Studies from NCCR North-South*. Perspectives of the NCCR North South, University of Berne, Vol. 2. Bern: *Geographica Bernensia*, pp. 305-327

Other publications

- 2015 Boillat S, Scarpa F, Verburg P, Ometto J. (Editors). [Biodiversity and Land Systems](#). *GLP News* N.12
- 2015 Boillat S, Scarpa F, Verburg P, Ometto J. (Editors). [Co-design and co-production of knowledge in land system science](#). *GLP News* N.11
- 2014 Boillat S, Scarpa F, Verburg P, Ometto J. (Editors). [Globalization and land use in Latin America](#). *GLP News* N.10
- 2014 Sandoval Y, Boillat S. [With All-Terrain Vehicles across Mother Earth: Tourism, Identity and the Dakar Rally in Bolivia](#). In Debarbieux B, Oiry Varacca M, Rudaz G, Maselli D, Kohler T, Jurek M (Eds.). *Tourism in Mountain Regions: Hopes, Fears and Realities*. Sustainable Mountain Development Series. Geneva, Switzerland: UNIGE-CDE-SDC.
- 2013 Boillat S, Serrano E, Alca J. [Making co-management work in protected areas with indigenous peoples in Bolivia and Peru: lessons from four cases](#). *Evidence for Policy* No. 5 Bern: Geographica Bernensia.
- 2013 Boillat S, Sandoval Y, Patón L. [Modelo de accesibilidad a capitales departamentales, municipales y localidades en Bolivia](#). Version 1.0. La Paz: IIGEO-UMSA.
- 2013 Boillat S. Conocimiento tradicional y manejo de ecosistemas en la comunidad de Tirani, Cochabamba, Bolivia. NCCR North-South-CDE-AGRUCO.
- 2013 Boillat S. Conocimiento tradicional y manejo de ecosistemas en la comunidad de Chorojo, Cochabamba, Bolivia. NCCR North-South-CDE-AGRUCO.

Teaching experience

- 2017 Lecturer: Regionalgeographie Südamerika, with Prof. Stephan Rist and Prof. Chinwe Ifejika Speranza. University of Bern, May 2017
- 2016 Lecturer: Challenges in Geography. Part on cluster "Governing Telecoupled Resource Systems for Environmental Justice", with Prof. Jean-David Gerber. University of Bern, November 2016
- 2016 Lecturer: Forum Entwicklung und Umwelt: "Biodiversity in sustainable land use", with Prof. Chinwe Ifejika Speranza. University of Bern, November 2016.
- 2016 Lecturer: Sustainable Land Management and Land Systems, with Prof. Chinwe Ifejika Speranza. Module on Sustainable Management of Protected Areas. University of Bern, May 2016
- 2016 Lecturer: Proceso, análisis e interpretación de datos cualitativos. With MSc. Elvira Serrano. Centro de Estudios Superiores Universitarios. Universidad Mayor de San Simón, Cochabamba, Bolivia. January 2016

- Since 2014 Scientific Advisor: Research Project “Del Ritual a la política pública: complementariedades y brechas ontológicas en los conceptos de Pachamama y Madre Tierra”; Centro de Estudios Superiores Universitarios, Universidad Mayor de San Simón, Bolivia
- 2014-2016 Supervisor: Doctorado (PhD programme) en Diálogo de Saberes, Agroecología y Nuevos Paradigmas de las Ciencias y el Desarrollo; Agroecología Universidad Cochabamba, UMSS, Bolivia
- 2014 Advisor: “Atelier Développement Territorial”. Department of Geography and Environment, University of Geneva, Switzerland
- 2013 Lecturer: “SIG II: Análisis geomáticos y delimitación de las líneas de investigación” (with Louca Lerch). Maestría (MSc programme) en Planificación Urbana y Desarrollo Regional. Universidad Autónoma Gabriel René Moreno, Santa Cruz, Bolivia
- 2013 Lecturer: “Gestión Ambiental Integral” Undergraduate Course (8th Semester); Programa Desconcentrado de Ingeniería en Medio Ambiente, Valle de Sajta, Universidad Mayor de San Simón, Cochabamba, Bolivia
- 2011 Lecturer: “Bases teóricas y conceptuales de la etnoecología; de la etnobiología a la etnociencia” Lecture at the VIII Master’s programme in Agroecology, Culture and Sustainable Endogenous Development in Latin America, Universidad Mayor de San Simón, Cochabamba, Bolivia
- 2011 Lecture assistant in qualitative methods. With Dr. James P. Robson, Natural Resources Institute, University of Manitoba, Canada, May 2011
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Reviewer experience

- Journals Land Use Policy; Journal of Environmental Planning and Management; Environment, Development and Sustainability; Current Opinion in Environmental Sustainability; Regional Environmental Change; Ecology and Society; Journal of Hydrology; Human Ecology
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Consulting works

- 2016 Baseline (land cover, land use and landscape) of the impacted area of the Rositas hydroelectric project. AMANDES Srl. – EPTISA, Cochabamba, Bolivia (unpublished)
- 2014 – 2015 Atlas of socio-cultural units for the characterization and delineation of social-ecological systems (*sistemas de vida*) in Bolivia. Programa Nacional Bioculturas, SDC-Bolivia, Centre for Development and Environment, University of Bern, Switzerland. Dataset published in [GeoBolivia](#) (2015)
- 2013 Mapping traditional water access rights: Cochabamba Valley and Desaguadero River. Project Synthesis. Agua Sustentable / IDRC (unpublished)
- 2011 Research on land tenure rights and land use in the Tunari National Park, Bolivia. Natural Resources Institute, University of Manitoba. (unpublished)
- 2007 Conceptualization of SDC’s inputs for the International Year of the Potato 2008; Natural Resources and Environment Division; Swiss Agency for Development and Cooperation (unpublished)
- 2002 ALPECOLe project: elaboration of interactive teaching material in Alpine ecology; Geographical Institute, University of Zurich
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Conferences

- 2016 “Environmental justice in telecoupled resource systems: a comparative analysis of case studies on protected areas in the Global South” Global Land Programme Open Science Meeting, Beijing, China, October 2016
- 2015 “Co-production multi-escalar de conocimiento en sistemas terrestres. De la etnoecología a sistemas socio-ecológicos globales.” Workshop “Direito a informação ambiental na América Latina”. Brasília, Brasil, May 2015
- 2015 “Les enjeux scientifiques, méthodologiques et sociaux du développement durable”. Department of Geography and Environment, University of Geneva, Switzerland, February 2015
- 2014 “Do relocated villages experience more forest cover change? Population, shifting cultivation and resettlements in the Lao PDR”. GLP Asia Conference, Taipei, September 2014
- 2014 “Are there “land governance hotspots”? Mapping critical zones of land governance: a multi-scale approach applied to Bolivia and Laos.” University of Geneva, Switzerland, September 2014
- 2014 “Lograr la co-gestión de áreas protegidas con pueblos indígenas en Bolivia y Perú”. CIDES-UMSA, La Paz, Bolivia, February 2014

- 2013 "Land Governance Hotspots, Social-ecological Systems and Development Contexts. A typological approach". Exposition at the International Workshop on Land Governance in Lao PDR: Land use change, livelihood transitions and land governance in landlocked developing countries. Vientiane, Lao PDR, September 2013
- 2013 "Vinculando gente con pixeles: perspectivas geográficas de la relación sociedad-medio ambiente". Exposition at the International Seminar «Visiones de la geografía, perspectivas desde latitudes diversas », UMSA, La Paz, Bolivia, February 2013
- 2012 "La importancia de los topónimos para la gestión endógena de ecosistemas: un ejemplo en la región andina de Cochabamba (Bolivia) ". Exposition at the 3rd Latin American Congress of Ethnobiology, La Paz, Bolivia, October 2012
- 2012 "Perception and interpretation of climate change among Quechua farmers of Bolivia. Indigenous knowledge as a resource for adaptive capacity". Exposition at the 13th Congress of the International Society of Ethnobiology, Montpellier, France, May 2012
- 2012 "El mapeo de la gobernanza de la tierra. Un enfoque a escalas múltiples para el estudio de la gobernanza de la tierra en contextos culturales, ambientales e institucionales complejos". Exposition at the International Symposium "Zonas críticas de la gobernanza de la tierra a escalas multiples, pautas metodológicas desde la geografía y la cartografía. La Paz, Bolivia, March 2012
- 2010 "Parks, people, and traditional knowledge, a challenge for regionalized development". Exposition at the International Conference on Global Change and the World's Mountains, Perth, Scotland, September 2010
- 2008 "La relación entre el conocimiento tradicional y el conocimiento científico. Diálogo de saberes en torno a ecosistemas y áreas protegidas". Exposition at the Symposium "Dialogo de saberes y prácticas en el manejo de recursos naturales renovables", La Paz, Bolivia, December 2008
- 2008 "An ethno-ecological approach to link traditional ecological knowledge and ecosystem diversity in a protected area". Exposition at the International Conference on Research for Development (ICRD), NCCR North-South, University of Berne, Switzerland, June 2008
- 2008 "Für uns bedeutet Naturschutz Pflege. Koproduktion von Wissen und deren Beitrag zur Erkenntnis einer Kulturlandschaft in Bolivien". Exposition at the Natur Kongress 2008, Basel, Switzerland, February 2008
- 2007 "Traditional ecological knowledge, land use (crop and livestock production) and ecosystem diversity in the Tunari National Park (Bolivia). Effect of current land use on ecosystem diversity". Lecture at the Institute of Geography, University of Bern, Switzerland, November 2007
- 2004 "Decentralization, Social Movements and Protected Areas: Natural Resource Management at Stake. The case of Bolivia". Exposition at the Integrated Training Course of NCCR North South, Schwarzsee, Switzerland, September 2004
- 2000 "Estudio de caso de una familia campesina con bosque de *Polylepis tomentella*" Poster ; First International Congress of Ecology and Conservation of *Polylepis* Forests, Cochabamba, Bolivia, July 2000