

Luis Eduardo Samaniego Eguiguren

Personal Details	Date of birth Place of birth Personal status Citizenship	10.03.1966 Loja, Ecuador Married, two children German, Ecuadorian
Contact Information	Helmholtz Centre for Environmental Research - UFZ Permoserstraße 15 04318 Leipzig, Deutschland ✉ luis.samaniego@ufz.de ✉ @lese66 🌐 http://www.ufz.de/index.php?en=13975 🌐 http://scholar.google.com/citations?user=IjpxscEAAAAJ&hl=en 🌐 https://orcid.org/0000-0002-8449-4428	
Education	1977 – 1983 High school (bachiller)	Colegio Bernardo Valdivieso, Ecuador
Studies	1983 – 1989 Studies of Civil Engineering Specialization: Structural analysis Final grade: <i>summa cum laude</i> 1995 – 1997 Master of Infrastructure Planning Master thesis: Watershed Management – A Case Study in Ecuador Final grade: 1.5 (very good) 2003 Promotion to Dr.-Ing. Institute for Water and Environmental Systems Modeling PhD thesis: Hydrological Consequences of Land Use/Land Cover and Climatic Changes in Mesoscale Catchments Final grade: <i>summa cum laude</i> 2021 Habilitation to Dr. rer. nat. habil. at the Faculty of Science Habilitation thesis: Drought Modeling and Forecasting from Local to Global Scales Venia legendi: Hydrologie	Escuela Politécnica Nacional, Ecuador Universität Stuttgart, Germany Universität Stuttgart, Germany Universität Potsdam, Germany
Professional Activity	1989 – 1995 Structural engineer 1990 – 1992 Lecturer 1996 – 1997 Research assistant at the Center for Infrastructure Planning	Consulting company E&S, Ecuador Uni. Técnica Particular de Loja, Ecuador Universität Stuttgart, Germany

	1997 – 1998 Structural/Hydraulic engineer..	TAMS Consultants Ltd., Ecuador
	1998 – 2005 Research associate at the Institute form Regional Development and Planning and at the Institute of Hydraulic Engineering	Universität Stuttgart, Germany
	2005 – 2008 Research assistant	Helmholtz-Centre - UFZ, Germany
	since 2008 Head of the Working Group Stochastic and Land Surface Hydrology at the Department of Hydrosystem Modeling	Helmholtz-Centre - UFZ, Germany
	since 2013 Deputy Head of the Department of Hydrosystem Modeling	Helmholtz-Centre - UFZ, Germany
	2022 Joint appointment to a W2 professorship for Data Science and Hydrology	Universität Potsdam & UFZ, Germany
Honors	1983 Best grade point average in the year 1983	Colegio Bernardo Valdivieso, Ecuador
	1991 Best grade point average in the year 1991	Escuela Politécnica Nacional, Ecuador
	1995 – 1997 Scholarship of the Ministry of Science, Research and the Arts Baden-Württemberg	MWK, Germany
	2011 Water Resources Research Editor’s Choice Award, bestowed on the top 5 papers published in WRR in a given calendar year.	American Geophysical Union, USA
	2017 UFZ-Research Award 2017	Helmholtz-Centre - UFZ, Germany
	2018 STAHY Best Paper Award 2018	Int. Assoc. Hydrological Sciences
International Scientific Associations	since 2004 since 2004 since 2005	European Geosciences Union Int. Assoc. of Hydrological Sciences American Geophysical Union
Editorial Work	2008-2012 since 2011 since 2012 since 2010	Associate Editor Associate Editor Editor Reviewer Nature, Science, ERL, JHM, JGR-A, GRL, HP, WRR, DFG
Scientific Career	24 Research projects until June 2024 PI or coordinator Disciplines: Hydrology, Hydroclimatology, Data Science.	Appendix 1
Publications	109 ISI-listed publications until June 2024 h-index 53, Citations 9547 in Google Scholar	Appendix 2

h-index 46, Citations 6549 in Web of Science

Books	10 ISBN registered books until June 2024	Appendix 3
Software	8 Open source code packages until June 2024	Appendix 4
Conference Presentations	94 invited lectures until June 2024 Scientific conferences at EGU, AGU, among others	Appendix 5
Third-party Funds	5.24 million EUR until June 2024 23 Research projects funded by C3S(EU), ECMWF, BMBF, HGF, EU Horizon and UFZ	Appendix 6
Teaching Experience	30.75 SWH, 203 course-hours, 12 MSc, 8 PhDs until June 2024 Regular lectures and block courses at the universities Potsdam, Stuttgart, Jena, Valencia (ES), EPN (Quito-EC) und UTPL (Loja-EC)	Appendix 7
Administrative Experience	<ul style="list-style-type: none">• Since September 2010 deputy head of the department Computational Hydrosystems at the UFZ (approx. 20 scientists and two technicians)• Representation of the department at national and international scientific events• Preparation of research proposals• Coordination of ongoing research projects• Supervision of PostDocs and PhD students• Technical coordination of the MOSES project Modular Observation Solutions for Earth Systems and implementation of a sub-seasonal-seasonal (S2S) prediction system.• Coordinator of three major research proposals for ENV FP7 and "Horizon-2020". Since 2017, Principal Investigator of two Copernicus Climate Change Service" projects, two ECMWF projects, several Helmholtz initiatives, and one ESA research project on hyperresolution Earth observations and land-surface modeling.	
Research Focus	<ul style="list-style-type: none">• Hydrological modeling• Parameterization of land surface-hydrology models.• Drought monitoring and sub-seasonal/seasonal forecasting.• Prediction of hydrological extremes including uncertainties.• "Operational Research" and optimization• Geostatistics and data science impact modeling	
Skills	<ul style="list-style-type: none">• Spanish: Mother tongue. English: Fluent in spoken and written. German: Good in spoken and written• Expert knowledge in programming languages: Fortran, NCL, Bash, R, Python, C• Advanced knowledge of Unix- (HPC) und Mac OS Systems.• In-depth knowledge of professional typesetting software \LaTeX.	
Hobbies	<ul style="list-style-type: none">• Analog photography with medium and large format cameras and darkroom printing. Instants: https://www.luis.e.samaniego.eu/ @luis.e.samaniego.e	