CURRICULUM VITAE

1. PERSONAL INFORMATION

- Name Daniel Callo-Concha
- Birth place Cusco, Peru
- Birth date April 09, 1972
- Nationality Peruvian
- Address Walter-Flex-Str 3, D-53113, Bonn, Germany
- Phone +49 228 73 1795
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2. CURRENT POSITION

Senior scientist at the Center for Development Research (ZEF, https://www.zef.de/), University of Bonn

- Co-coordinator, researcher and work package leader at the project *Improving food security in Africa through increased system productivity of biomass-based value webs* (*BiomassWeb; http://biomassweb.org/*), duty stations in Ethiopia and Germany.
- Researcher and work package leader at the *West African Science Service Center on Climate Change and Adapted Land Use* (*WASCAL; http://www.wascal.org/*), duty stations in Benin, Burkina Faso and Germany
- Mentor and lecturer at the doctoral program of the Center for Development Research (ZEF; https://www.zef.de/) at the University of Bonn. Duty stations abroad and Germany.
- Team member and lecturer at the *Cuban-German School for Interdisciplinary Development Studies (CG-SIDS, https://www.zef.de/index.php?id=2321&project=51&contact=409&cHash=b33c636ac715abd1b791a1cf5425ad13)* , duty stations in Cuba and Germany.

3. STUDIES AND ACADEMIC DEGREES

- Doktor der Agrarwissenschaften (Ph.D.). Universität Bonn. Bonn, Germany. 2004-2009. Dissertation: Functional Biodiversity in Tropical Agroforestry Systems: an Approach to Environmental Services by Land-Use Systems Assessment (The Case of Tomé-Açú, Northern Brazil).
- Maestro en Agroforestería para el Desarrollo Sostenible (M.Sc.). Universidad Autónoma Chapingo. Mexico State, Mexico. 1999-2001. Dissertation: Carbon sequestration by agroforestry systems and controls in three ecological stages of Peruvian Amazon.
- Ingeniero Agrónomo (Ing.Agr.). Universidad Nacional de San Antonio Abad, Cusco, Peru. 1996-1997. Dissertation: Structural Analysis of cost-of-production of maize *Blanco Urubamba* in Huayllabamba.
- Bachiller en Ciencias Agrarias (B.Sc.). Universidad Nacional de San Antonio Abad, Cusco, Peru. 1990–1995.

4. LANGUAGES

- Spanish (maternal), English (fluent), Portuguese and German (good), French (limited) and Quechua (poor)

5. SOFTWARE PROFICIENCY

- General: Windows and Linux-based (operating systems); Microsoft Office and Open-office (working platforms); Firefox, Chrome, Internet Explorer (web-browsers); Essential PIM, Thinking Rock (personal information managers).
- Specialized: SAE v. 1.0, FAUANL v. 2.0, EPI-Info, SPSS, R (statistics); Biodiversity-Pro 2 (biodiversity); MiraSilv, Inspire, SCUAF, FBA, HYPAR, WaNuLCAS (agroforestry modeling); CO2Fix, LEAP (carbon sequestration); CIMAT 2.0, MCAT, (multicriteria analysis); ZOTERO (literature management); The Brain and FreeMind (Mind mapping); UCINet & NetDraw (network analysis); VESTER, Vensim, Heraklit, iMODELER (systems analysis).

6. ACADEMIC INTERESTS

- Systems thinking for handling complexity; Interface agricultural systems/environment: climate change and biodiversity; Disturbance and change: resilience, vulnerability and adaptability; Agroforestry, agriculture and rural

development; Food and nutrition security in the global south; Urbanization in developing countries; Sustainable mining and agriculture; Renewable energy for rural development.

7. WORK EXPERIENCE (recent positions)

- Institute of Crop Science and Resource Conservation (INRES), Center for Development Research (ZEF) University of Bonn

  Activity: Preparation and coordination of the 'West African Science Service Center on Climate Change and Adapted Land Use' (WASCAL). Work Packages: Farming systems, Risk Analysis and Integrated Assessment.
  Location: Germany, West Africa
  Period: April 2010 to March 2011
  Position: Postdoctoral research fellow

- Institute of Crop Science and Resource Conservation (INRES), University of Bonn
  Activity: Resilience, vulnerability and adaptability (RVA) in Agricultural Land-use systems, conceptualization and evaluation using participation and systems-based approaches.
  Location: Germany
  Period: April 2009 to March 2010
  Position: Postdoctoral research fellow

- Center for Development Research (ZEF), University of Bonn
  Activity: Functional biodiversity by agroforestry systems in the Brazilian Amazon (working title). Design and development of an environmental services evaluation protocol based on multicriteria analysis
  Location: Germany, northern Brazil
  Period: August 2004 to April 2009
  Position: PhD fellow - Junior researcher

- Project: Land-Use, Land-Use Change and Forestry: climatic change in Mexico. Colegio de la Frontera Sur
  Activity: Identification of environmental, social and economic criteria of forestry and agroforestry experiences, incorporation of regional information generated by a geographical information system
  Location: Tabasco, Mexico
  Period: March 2004 to July 2004
  Position: Associated researcher

- Proyecto de rehabilitación de suelos volcánicos. EU consortium: Germany-France-Mexico–Chile
  Activity: Selection of multipurpose species, design of agroforestry systems, establishment of experimental plots, and monitoring
  Location: Tlaxcala, Mexico
  Period: August 2003 to August 2004
  Position: Agroforestry team leader

- Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias (INIFAP)
  Activity: Planning, coordination and development of training courses for technicians and decision makers in the project: 'Agroforestry for Mexican tropics, promissory alternative techniques of production to guarantee sustainable development'
  Location: Chapingo and Hidalgo, Mexico
  Period: July to December 2003
  Position: Consultant

- División de Ciencias Forestales and Universidad Autónoma Chapingo <link>
  Activity: Coordination of the Seminar of the course Agroforestry Systems for pre-graduate students of Forestry Engineering and Forestry Restoration
  Location: Chapingo, Mexico
  Period: February to June 2003
  Position: Guest lecturer

- Centro de Agroforestería para el Desarrollo Sostenible and Universidad Autónoma Chapingo <link>
  Activity: Carbon Sequestration by Agroforestry Systems in Mexican Tropics: Biometric Procedures: Modeling and simulation at tree and system level.
  Location: Veracruz, Mexico
  Period: June 2001 to June 2003

Position: Associated researcher

8. PRESENTATIONS

Conferences presentations, events organization, public talks, etc. (selected)

- Farmer climate change adaptation in the West African Sudan Savannah: reality check and feasible approaches. World Conference on Climate Change. Climate Change Conference Series. October 24-26, 2016. Valencia, Spain
- Is it as everyone says? Misconceptions on farming climate change adaptation in the West African Sudan Savannah. Fifth International Conference on Climate Change Adaptation 2016 (CCA2016). Unique Conferences Canada. 15-16 October, 2016. Toronto, Canada.
- Local Alternatives to Local Problems: Agroforestry Systems' Byproducts Contribution to Communities' Food and Nutrition Security in Southwestern Ethiopia. Sixth International Conference on Food Studies 'Food Systems in an Age of the Anthropocene: Addressing Demands for Change' University of California at Berkeley. Food Studies at Common Ground Publishing. 12-13 October 2016. Berkeley, USA.
- Farmers' climate change adaptation on West African Sudanian Savannah: WASCAL 5 years of scientific research (workshop organization). Tropentag 2016. Universitat fur Bodenkultur (BOKU). 19-21 September. Vienna, Austria.
- A participatory framework to assess multifunctional agriculture: case study agrobiodiversity in agroforestry systems of Tome Acu in northern Brazil. 27th International Congress for Conservation Biology – 4th European Congress for Conservation Biology (ICCB-ECCB 2015). Society for Conservation Biology. August 2-6, 2015. Montpellier, France.
- West African farmers' climate change adaptation: from technological change towards transforming institutions. World Symposium on Climate Change Adaptation (WSCCA- 2015). International Climate Change Information Programme, University of Manchester. September 2-4, 2015. Manchester, UK.
- Climate change adaptation strategies of West African Sudan Savannah farmers: from causal responses to the increase of socio-ecological resilience. 2nd International Conference on Evaluating Climate Change and Development. Independent Evaluation Office of the Global Environment Facility (GEF). November 4-6, 2014. Washington D.C., US.
- Bridging science and development. Session organized by Daniel Callo-Concha and Anna Schwachula at the World Congress on Agroforestry. World Agroforestry Centre, Indian Council of Agricultural Research and the Indian Society of Agroforestry. February 10-14, 2014. Delhi, India.
- At loggerheads forever? Three tales about forests and people. Joint session by Daniel Callo-Concha: Coping with deforestation: 'on the ground' management options; Till Stellmacher: Protected Areas and Poverty Mitigation: Lessons from Ethiopia and Jan Börner: Carrots, sticks, and beyond: How to promote conservation? Dies Academicus University of Bonn. December 4, 2013. Bonn, Germany.
- Cambio climático, concepción y desarrollo de enfoques glocales: de la Sabana Africana a los Andes Americanos. Opening speaker. Congreso Internacional Cambio Climático y Biodeterioro en el Patrimonio Pétreo de Machupicchu. Ministerio de Cultura del Perú. May 14-18, 2012. Cusco, Peru.
- Resilience/vulnerability & adaptability (RVA) a joint approach for handling complex phenomena in agricultural land-use systems. Joint Seminar on topics in tropical and subtropical agriculture and forestry and on development and decent work. Geurg-August-Universität Göttingen and Universität Kassel. December 8, 2010. Witzenhausen, Germany.
- Environmental Services by Agroforestry Systems: How to Operationalize It? Functional biodiversity in Tomé-Açú, Northern Brazil. II World Congress of Agroforestry. World Agroforestry Center and United Nations Environment Program (UNEP). August 23-28, 2009. Nairobi, Kenya.
- An approach to Environmental Services Assessment: Functional Biodiversity in Tropical Agroforestry Systems (The case of Tomé-Açú, Northern Brazil). World Biodiversity Congress. Century Foundation. March 10-14, 2009. Chiang Mai, Thailand.
- A Biophysical Approach to the Environmental Services by Land-Use Systems; Functional Biodiversity in Tropical Agroforestry Systems (The case of Tomé-Açú municipality, Northern Brazil). Tropentag 2007 'Utilization of diversity

in land use systems: Sustainable and organic approaches to meet human needs'. University of Witzenhausen. October 9-11, 2007. Witzenhausen, Germany.

- Agroforestry and Environmental Services. Conference and conversation. Red Agroforestal Ecuatoriana. December 11, 2003. Quito, Ecuador.
- Carbon Sequestration by Agroforestry Systems. XII International Course of Agroforestry for Eco-development. Centro de Agroforestería para el Desarrollo Sostenible, Universidad Autónoma Chapingo. September 1-21, 2003. Chapingo, Mexico.
- Environmental issues in a globalized system. I Forum about Natural Resources and Sustainable Development. División de Estudios de Postgrado. Escuela Nacional de Estudios Profesionales Aragón. Universidad Nacional Autónoma de México. July 4, 2002. Mexico city, Mexico.
- Estimation of Carbon Sequestrated by some Agroforestry Systems and Controls in Three Ecological Stages of Peruvian Amazon. International Symposium about carbon Sequestration in Forestry Systems. Universidad Austral de Chile. October 18-20, 2001. Valdivia, Chile.

Posters (selected)

- Jara-Alvear J., Callo-Concha, D. Denich, M. Greve, K. Modelling the spatio-temporal complexity of rural solar electrification in traditional communities of the Amazon. Systems Analysis 2015. International Institute for Applied Systems Analysis (IIASA). November 11-13, 2015. Vienna, Austria.
- Callo-Concha D., Eguavoen I., Wünscher T. Disclosing West African farmers' adaptation strategies: interlacing perceptions – innovations – coping measures. European Climate Change Adaptation Conference (ECCA) 'Integrating Climate Change into Action'. Federal Ministry of Education and Research, European Commission. March 18-20 2013. Hamburg, Germany.
- Callo-Concha D., Denich. M. An Approach to Environmental Services Assessment: Functional Biodiversity in Tropical Agroforestry Systems (The Case of Tomé-Açú, Northern Brazil). Argentinian Ministry of Agriculture, Unite Nations Food and Agriculture Organization (FAO). XIII World Forestry Congress. October 18-23, 2009. Buenos Aires, Argentina.
- Callo-Concha D., Ewert, F. Operationalizing resilience-vulnerability-adaptation (RVA) analysis in agricultural land-use systems. 39th annual conference of the Ecological Society of Germany, Austria and Switzerland. September 14-18, 2009. Bayreuth, Germany.
- Callo-Concha D., Denich. M. Vlek, P. A biophysical approach to the environmental services by land use systems; Functional biodiversity in tropical agroforestry systems (The case of Tomé-Açú community, Northern Brazil). Ecology in an era of Globalization. The Ecological Society of America (ESA). January 8 to 12, 2006. Merida, Mexico.

9. PUBLICATIONS

Peer reviewed papers

- Callo-Concha D. (in edition). Farmers' climate change perception and adaptation strategies in the Sudanian West African Savannah: Reality check in Dassari, Benin and Dano, Burkina Faso.
- Callo-Concha, D., Denich, M., Ul Hassan, M.M., Place F., and Wardell D.A. 2017. Lessons for research, capacity development and policy in agroforestry for development. Agroforestry Systems, doi:10.1007/s10457-017-0085-6 <link>
- D. Callo-Concha, M. Denich, J. P. A. Lamers, A. Schwachula, A.-K. Hornidge, A. Khamzina & C. Borgemeister. 2016. Bridging science and development: lessons learnt from two decades of development research. Agroforestry Systems, DOI: 10.1007/s10457-016-0008-y <link>
- Wiersberg T., Callo-Concha D., F. Ewert. 2016. Pitfall or Priority Drift? Participatory Tree Domestication Programs: The Case of Agroforestry in the Peruvian Amazon. Journal of Sustainable Forestry. DOI: 10.1080/10549811.2016.1213641 <link>
- Callo-Concha D. and M. Denich. 2014. A participatory framework to assess multifunctional land-use systems with multicriteria and multivariate analyses: A case study on agrobiodiversity of agroforestry systems in Tomé Açú, Brazil. Change Adaptation Socioecol. Syst., 1(1): 40-50. <link>

- Callo-Concha, D. and F. Ewert. 2014. Using the concepts of resilience, vulnerability and adaptability for the assessment and analysis of agricultural systems. Change and Adaptation in Socio-Ecological Systems. Vol 1. pp. 1-11. <link>
- Callo-Concha D., Gaiser T., Webber, H., Tischbein B., Müller M. and F. Ewert. 2013. Farming in the West African Sudan Savanna: Insights in the context of climate change. African Journal of Agricultural Research. Vol.8 (38), pp. 4693-4705. <link>
- Callo-Concha. 2013. Prácticas agroforestales y especies de uso múltiple para la rehabilitación y conservación de suelos volcánicos en López Mateos, Tlaxcala: percepción de los agricultores. Sociedades Rurales, Producción y Medio Ambiente. Vol. 13, N° 26, pp. 120-134. <link>
- Callo-Concha, D., Rajagopal, I. y L. Krishnamurthy. 2004. Secuestro de Carbono por Sistemas Agroforestales en Veracruz. Universidad Autónoma de Nuevo León. Ciencia UANL. Monterrey, México. Vol. VII, N° 2, abril-junio 2004. pp. 60-65. <link>
- Callo-Concha, D., Krishnamurthy, L. y J. Alegre. 2002. Secuestro de Carbono por Sistemas Agroforestales Amazónicos. Revista Chapingo: Ciencias Forestales y Medio Ambiente. Universidad Autónoma Chapingo. Chapingo, México. Vol. VIII, Num. 2. pp. 101-106. <link>

Books and book chapters

- Callo-Concha, D. 2016. West African farmers' climate change adaptation: from technological change towards transforming institutions. In Leal Filho, W., Adamson K., Dunk, R. Azeitero, U. Illingstworth, S. and Alves F. (Eds). Implementing Climate Change Adaptation in Cities and Communities. Pp. 253-265. Springer, Berlin. <link>
- Callo-Concha D., Sommer, J.H., Kleemann J., Gatzweiler F. and M. Denich. 2014. Marginality from a socioecological perspective. In von Braun J. and F. Gatzweiler (Eds.). Marginality: Addressing the Nexus of Poverty, Exclusion and Ecology. Springer, pp. 57-65. <link>
- Callo-Concha D. and M. Denich. 2010. Operationalizing environmental services of agroforestry systems: Functional biodiversity assessment in Tomé-Açú, Pará, Brazil. In Montagnini F. (ed.) Agroforestry as a Tool for Landscape Restoration: challenges and opportunities for success. Nova Science Publishers, New York. pp. 143-156. <link>
- Callo-Concha D. 2009. An Approach to Environmental Services Assessment: Functional Biodiversity in Tropical Agroforestry Systems: The Case of Tomé-Açú, Northern Brazil Band 65 von Ecology and Development series. 181 p. <link>
- Callo-Concha D. 2008. Servicios ambientales por sistemas agroforestales; una aproximación. In: Quintero, M.L. and C. Fonseca H. (coordinadores) Desarrollo sustentable: aplicaciones e indicadores. Cámara de Diputados LX legislatura y Editorial Porrua. México D.F., México. pp. 223-248. <link>
- Callo-Concha D. 2004. Alcances ambientales del sistema global. In Saldívar, A., Ríos-Gómez, R., Garrido R.C., Cruz A.R., Callo-Concha, D. Toledo M.C., Chapela, G., Ramírez M.C., Quintero S. M., Rocha, S.M. Recursos naturales y desarrollo sustentable: reflexiones en torno a su problemática. Cámara de Diputados, LIX Legislatura y la Escuela Nacional de Estudios Profesionales, Aragón de la Universidad Nacional Autónoma de México. México D.F., México. pp. 65-85. <link>
- Callo-Concha D. 2002. Biocolonialismo, una aproximación. Centro de Investigaciones Económicas, Sociales y Tecnológicas de la Agroindustria y la Agricultura Mundial y Universidad Autónoma Chapingo. Chapingo, México 45 p. <link>
- Callo-Concha D., Krishnamurthy L. y J. Alegre. 2002. Estimación del Carbono Secuestrado por algunos Sistemas Agroforestales y testigos en tres pisos ecológicos de la Amazonía del Perú. En: Krishnamurthy, L. y M. Uribe (Editores). Tecnologías Agroforestales para el Desarrollo Sostenible. Secretaría de Medio Ambiente y Recursos Naturales y Programa de Naciones Unidas para el Medio Ambiente. Chapingo, México. pp. 159-182. <link>

Discussion, working and other papers

- Callo-Concha D. 2014. Approaches to managing disturbance and change: Resilience, vulnerability and adaptability. ZEF Working Paper Series 133. 33 p. <link>

- Callo-Concha D. 2013. Roger Leakey. Living with the trees of life: Towards the transformation of tropical agriculture. Book review. Journal of Agriculture and Rural Development in the Tropics and Subtropics. Vol. 114, No 1. pp. 77–78. <link>
- Pütter, F. et al. 2012. White paper of the 2012 winter school on Limits to Growth Revisited. Volkswagen Foundation. 18 p. <link>
- Callo-Concha D., Gaiser T. and F. Ewert. 2012. Farming and cropping systems in the West African Sudanian Savanna WASCAL research area: Northern Ghana, Southwest Burkina Faso and Northern Benin. ZEF Working Paper Series 100. 35 p. <link>
- Callo-Concha D. 2005. Uma Abordagem Biofísica aos Serviços Ambientais dados pelos Sistemas de Uso da Terra: Biodiversidade Funcional pelos Sistemas Agroflorestais Tropicais (O caso de Tomé-Açú no Norte do Brasil). Acai.com Publicação dos Projetos Gestão Sustentável do Desenvolvimento Local e Regional nos Estados de Pará e Amapá. Belém, Brasil. pp. 36, 37.
- Callo-Concha, D. 1998. Producción, Economía y Ecología. Opciones, Economía Medio Ambiente y Desarrollo. Universidad Nacional de San Antonio Abad del Cusco e Instituto Andino de Ecología y Desarrollo INANDES. Cusco, Perú. N° 2. pp. 28-32.

Conference proceedings (selected)

- Callo-Concha D. 2013. Enfoque resiliencia/vulnerabilidad-adaptabilidad (RVA): aplicaciones en a) sistemas agroforestales multifuncionales y b) adaptación al cambio climático de sistemas de uso de la tierra. Desafíos de los Estudios del Desarrollo: Actas del I Congreso Internacional de Estudios del Desarrollo. Rafael Domínguez Martín y Sergio Tezanos Vázquez (Eds.). Red Española de Estudios del Desarrollo (REEDES). November 14-16, 2012. Santander, Spain. <link>
- Callo-Concha, D. and F. Ewert. 2011. Assessing Multifunctional Agroforestry Systems applying the Resilience/Vulnerability and Adaptability (RVA) Approach (abstract). Tropentag 2011. Development on the Margin. University of Bonn. October 5-7, 2011. Bonn, Germany. pp 256. <link>
- Wiersberg, T. and D. Callo-Concha. Impact of the ICRAF Tree Domestication Program in the Peruvian Amazon: A System and Participatory-based Approach (abstract). Tropentag 2011. Development on the Margin. University of Bonn. October 5-7, 2011. Bonn, Germany. pp. 193. <link>
- Callo-Concha D. and M. Denich. 2011. Assessing social-ecological sustainability of agroforestry systems: functional biodiversity in Tomé-Acú, northern Brazil. International Workshop on Agroforestry "Ecological Benefits of Agroforestry". Cottbus University, Cottbus, Germany. Pp. 31. <link>
- Callo-Concha, D., Denich, M. and P. Vlek. 2009. Environmental services in Agroforestry Systems: How to assess them? Functional Biodiversity in Tomé-Açú, Northern Brazil (abstract). Tropentag 2009: Biophysical and Socio-economic Frame Conditions for the Sustainable Management of Natural Resources. University of Hamburg. October 6th – 8th, 2009. Hamburg, Germany. pp. 112. <link>
- Callo-Concha, D. and F. Ewert. 2009. Operationalizing Resilience-Vulnerability-Adaptation (abstract). 39th Annual Conference "Dimensions of Ecology: from Global Change to Molecular Ecology". Ecology Society of Germany, Austria and Switzerland (GfÖ). University of Bayreuth 14th-18thSeptember 2009. Bayreuth, Germany. pp 96. <link>
- Callo-Concha, D., Denich, M. and P. Vlek. 2009. Environmental services by Agroforestry Systems: how to operationalize them? (abstract). II World Congress of Agroforestry. Agroforestry – The Future of Global Land Use. August 23 - 28. Nairobi, Kenya. pp. 124. <link>
- Callo-Concha, D., Denich, M. and P. Vlek. 2008. Evaluation of Functional Biodiversity in Tropical Agroforestry Systems - The Case of Tomé-Açú, Northern Brazil (abstract). Biodiversity Research – Safeguarding the Future. Pre COP-9. Universität Bonn, Museum König. May 12-16, 2008. Bonn, Germany. pp. 68. <link>
- Callo-Concha, D., Denich, M. and P. Vlek. 2006. A Biophysical Approach to the Environmental Services by Land-Use Systems Assessment; Functional Biodiversity in Tropical Agroforestry Systems (The Case of Tomé-Açú Community, Northern Brazil) (abstract). Proceedings Tropentag 2006 Prosperity & Poverty in a globalized World: Challenges for Agricultural Research. F. Asch & M. Becker (eds). University of Bonn. Bonn, Germany. pp. 216. <link>
- Callo-Concha, D, Denich, M. and P. Vlek. 2006. A biophysical approach to the environmental services by land use systems; Functional biodiversity in tropical agroforestry systems (The case of Tomé-Açú community, Northern

Brazil) (abstract). Proceedings Ecology in an era of Globalization. The Ecological Society of America (ESA). January 8 to 12. Merida, Mexico. pp. 24.

- Alegre J., Krishnamurthy L. and Callo-Concha D. 2004. Carbon Sequestration by Amazonian Agroforestry Systems. (abstract). Proceeding 1st Congress of Agroforestry: Working together for Sustainable Land-Use Systems. June 27-July 2. University of Florida. Orlando, Florida. pp. 162. <link>
- Callo-Concha, D. 2004. Environmental Services by Agroforestry Systems: A Local Approach (abstract). Proceeding 1st Congress of Agroforestry: Working together for Sustainable Land-Use Systems. June 27-July 2. University of Florida. Orlando, Florida. pp. 172. <link>
- Krishnamurthy L., Rajagophal I. and Callo-Concha D. 2004. Carbon Sequestration by Citrus-based Agroforestry Systems in Veracruz, Mexico (abstract). Proceeding 1st Congress of Agroforestry: Working together for Sustainable Land-Use Systems. June 27-July 2. University of Florida. Orlando, Florida. pp. 188. <link>
- Alegre, J., Arévalo, L., Ricse, A., Callo-Concha, D. y C. Palm. 2004. Secuestramiento de Carbono con sistemas alternativos en el Perú. Memorias IV Congreso Brasileiro de Sistemas Agroflorestais. Sistemas Agroflorestais: Tendencias da Agricultura Ecologica nos Tropicos, Sustento da Vida. Muller, M., da Gama, A., Fontes, I. E M. Fernandez (eds). Empresa Brasileira de Pesquisa Agropecuaria. Bahía, Brasil. pp. 27-32.
- Callo-Concha D., Krishnamurthy L. and J. Alegre. 2001. Simposio Internacional Medición y Monitoreo de la Captura de Carbono en Ecosistemas Forestales. 18 al 20 de Octubre 2001. Universidad Austral de Chile. Valdivia, Chile. <link>
- Alegre J. C., Arévalo, L., Ricse, A., Callo-Concha, D. and C. Palm. 2001. Carbon Sequestration for different Land use Systems in the Humid Tropics of Peru (abstract). Annual Meeting of American Society of Agronomy, Crop Science Society of America and Soil Science Society of America. North Carolina, USA.

10. REVIEWER

- Ecology and Society (E&S). Resilience Alliance, open access
- Sustainability (SUSTDE). MDPI, open access
- Social Sciences (SocSci). MDPI, open access
- Journal of Agricultural Science (JAS). Canadian Center of Science and Education, open access
- Journal of Sustainable Development (JSD). Canadian Center of Science and Education, open access
- Change and Adaptation in Socio-Ecological Systems (CASES). Versita, open access
- Journal of Agriculture and Rural Development in the Tropics and Subtropics (JARTS). Univ. of Kassel, open access
- African Journal of Agricultural Research (AJAR). Academic Journals, open access
- International Journal of Livestock Production (IJLP). Academic Journals, open access
- Environment Science and Policy (ESP). Elsevier
- Agriculture, Ecosystems and Environment (AEE). Elsevier
- Agronomy for Sustainable Development (ASDE). Springer, free access
- Agroforestry Systems (AFS). Springer
- GeoJournal (GEJO). Springer
- Environment, Development and Sustainability (Envi). Springer
- Biodiversity and Conservation (BioC). Springer

11. TEACHING

- Lecturer at the Bonn International Graduate School on Development Research (BIGS-DR) of the Center for Development Research, University of Bonn. Bonn, Germany.
  - Scientific writing. Interdisciplinary (three departments) modular course (2011-2016).

- Complex systems analysis. Interdisciplinary/disciplinary course (department of Natural Resources Management) (2011-2017).
- Agroforestry. Disciplinary course for the department of Natural Resources Management (2011-2015).
- Time management. Open seminar (2014-2016).

- Guest profesor at the Programa de Doctorado en Agricultural Sustentable of the Universidad Nacional Agraria 'La Molina', Lima, Peru.
- Guest lecturer. Complex systems analysis. Modular course for the Graduate School on 'Climate Change and Agriculture' of the West African Science Service Center on Climate Change and Adapted Land use (WASCAL) (2017-). Koulikouro, Bamako, Mali.
- Guest lecturer. Complex systems analysis. Modular course for the Cuban-German School for Interdisciplinary Development Studies (CG-SIDS) (2017-). Santa Clara, Cuba.

12. TUTORING

Doctoral students

- Bertrand Festus Nero. Urban Green Space Management Enhances Carbon Sequestration and Conserves Biodiversity in Developing Countries – Case of Ghana. University of Bonn, Germany. 2016.
- Jose Jara-Alvear. GIS-based sustainability assessment of rural electrification in the Amazon Basin (Case study Ecuador). University of Bonn, Germany. Ongoing
- Melissa Quispe. Harmonizing mining activities with the agriculture of local communities in Peru. University of Bonn, Germany. Ongoing.
- Olabisi Badmos. Curbing slum formation: A case study of a megacity in Nigeria (Lagos). University of Bonn/Wuppertal, Germany. Ongoing.
- Omarsherif Mohamed Jemal. Enhancing food security through agroforestry systems while improving households' biomass webs in Southwestern Ethiopia. University of Bonn, Germany. Ongoing
- Tiga Neya. Carbon sequestration potential of agroforestry systems in West Africa: a case of agroforestry parkland in Burkina Faso. Kwame Nkrumah University of Science & Technology, Kumasi, Ghana. Ongoing.
- Solomon Benti. Developing nature induced urban planning strategies for small urban areas in Ethiopia: Case studies from small towns nearby Oromia special zones surrounding Addis Ababa, Ethiopia. Addis Ababa University, Ethiopia. Ongoing.

Master students

- Jane Maureen Ngonjock Ebako. Subsidized cotton and climate change adaptation: case study of Dassari, Benin. University of Cologne, Germany. 2015
- Liman Harou. Agroforestry Parklands of the Sudan Savanna in the Context of Climate Change: Firewood Energy in North-western Benin, West Africa. University of Lome, Togo. 2015
- Laura Krings. Woodfuel scarcity, resilience and social institutions in the Dagara society - A case study in South West Burkina Faso-. Albert-Ludwigs-Universität Freiburg, Germany. 2016.
- Benjamin Graf. Livestock ownership, climate change, and sustainable livelihoods in Ioba Province, Burkina Faso. Technical university Dresden, Germany. 2016.
- Jasmin Ziemacki. Identifying cotton-based crop rotation practices as an agricultural adaptation strategy of smallholder farmers to effects of global change via satellite imagery and field data. A case study of Dassari, Benin. University of Bonn, Germany. 2016.
- Habtamu Seyoum. Nutritional potential analysis of underutilized wild and semi domesticated tree/plant species from Yayu, south western Ethiopia. University of Bonn, Germany. Ongoing.

13. AWARDS

- "Magna cum Laude". PhD dissertation on 'Functional Biodiversity in Tropical Agroforestry Systems: an Approach to Environmental Services by Land-Use Systems Assessment (The Case of Tomé-Açú, Northern Brazil)'. Jan 30th 2009. University of Bonn.

- "Mejor tesis de Maestría" (finalist). MSc dissertation on 'Carbon sequestration by agroforestry systems and controls in three ecological stages of Peruvian Amazon'. Sep 13th 2001. Universidad Autónoma Chapingo. Mexico State, Mexico.
- "Graduado con excelencia". IngAgr dissertation on 'Structural Analysis of cost-of-production of maize *Blanco Urubamba* in Huayllabamba'. Jun 18th 1997. Universidad Nacional de San Antonio Abad, Cusco, Peru.

14. RESEARCH GRANTS

- German Academic Exchange Service (DAAD). Complex systems analysis. Modular course for the Cuban-German School for Interdisciplinary Development Studies (CG-SIDS). 2.2 mill. €, writing team 2017-2021.
- Federal Ministry of Food and Agriculture (BMEL). Research project: Diversifying agriculture for balanced nutrition through vegetables in multi-storey cropping systems (NutriHAF). 1.2 mill. €, writing team 2015-2018.
- Federal Ministry of Education and Research (BMBF). Research project: Improving food security in Africa through increased system productivity of biomass-based value webs (BiomassWeb), c.a. 6 mill. €, writing team, 2013-2018.
- Federal Ministry of Education and Research (BMBF). Research project: West African Science Service for Climate Change and Adapted land Use (WASCAL), c.a. 50 mill. €, writing team, 2010-2016.
- Federal Ministry of Cooperation and Development (BMZ), c.a. 12 000 €. Individual grant, PhD research, 2004.
- The International Centre for Research in Agroforestry (ICRAF WAC) Latin-American Regional Office, c.a. 3000 €. Individual grant, MSc thesis, 2000.

15. AWARDED SCHOLARSHIPS

- Global Environment Facility (GEF) and World Bank. 2nd International Conference on Evaluating Climate Change and Development. November 4-6, 2014. Washington D.C., US.
- International Food Policy Research Institute (IFPRI). Building Resilience for Food and Nutrition Security may 15-17, 2014, Addis Ababa, Ethiopia.
- World Agroforestry Center (ICRAF) and University of Bonn. II World Congress of Agroforestry. August 23-28, 2009. Nairobi, Kenya.
- An international programme of biodiversity science (DIVERSITAS) and U.S. National Science Foundation (NSF). Biodiversity Information and Community-Based Use of Natural Resources (BESTNet). June 11-18, 2009. Oaxaca and Mexico City, Mexico.
- European Union 6th Framework Programme. ALTER Net Summer School, Trends in Biodiversity: Europeans Ecosystems and Policy. A Long-Term Biodiversity, Ecosystem and Awareness Research Network. September 1-13, 2007. Peyresq, France.
- Deutscher Akademischer Austausch Dienst. Center (DAAD-German Academic Exchange Service). Doctoral studies at the Center for Development Research (ZEF), University of Bonn. August 2004-January 2008. August 2004-January 2008. Germany & Brazil.
- Ecological society of America (ESA). Ecology in an Era of Globalization. Ecological Society of America. January 8-12, 2006. Yucatan, Mexico.
- The International Centre for Research in Agroforestry (ICRAF), Empresa Brasileira de Pesquisa Agropecuaria (EMBRAPA). International Workshop Agroforestry Systems Model and Simulation. November 5-11, 2001. Curitiba, Brazil.
- Centro de Agroforesteria para el Desarrollo Sostenible (CADS), Universidad Autónoma Chapingo (UACh). Master Program in Agroforestry for Sustainable Development. Universidad Autónoma Chapingo. January 1999-May 2001. Mexico & Peru.
- United Nations Environmental Program (UNEP). Red de Formación Ambiental. VII International Course Agroforestry for Eco-development. September 6-26, 1998. Chapingo, Mexico.
- Agroecología Universidad Cochabamba (AGRUCO), Universidad Mayor de San Simón. XVIII Intensive National Course-Workshop Level 1 (basic). August 29-September 3, 1997; X Intensive National Course-Workshop Agroecology and Sustainable Development Level 2 (advanced). September 26-October 1, 1997; VII Intensive

National Course-Workshop Agroforestry and Soil Conservation Level 3 (advanced). November 24-29, 1997. Cochabamba, Bolivia.

16. MEMBERSHIP OF LEARNED AND SCIENTIFIC SOCIETIES

- European Learning for Network on Functional AgroBiodiversity (ELN-FAB). Since 2009.
- Deutscher Akademischer Austausch Dienst (DAAD) Alumni. Membership N° A/04/10622. Since 2008.
- A Long-Term Biodiversity, Ecosystem and Awareness Research Network (ALTER Net) Alumni. Since Sept. 2007.
- Ecological Society of America (ESA). Since January 2006.
- Red de Agricultura Ecológica – Peru. Since 1994.

17. PERSONAL NON-ACADEMIC INTERESTS

- Leisure: literature, traveling, cooking
- Sports: running, swimming, route cycling, football (soccer), basketball
- Other activities: freelancing journalism, networking
- Blog. On science divulgation: https://cienciaetal.lamula.pe/ –in Spanish language-

Last update: June 2017