

Name	Sergio Bobka Calcina
Address	Bolivia, La Paz, Achumani, Francisco de Uriondo street 78
Telephone	(+591) 762-03577
E-Mail	<a href="mailto:sergiobobka@gmail.com">sergiobobka@gmail.com</a>
Nationality	Bolivian/Polish
Marital Status	Married

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## AREAS OF EXPERTISE

Econometrics	Data Science	Economic Research	Environmental economics
Theoretical and applied statistics	Project management	Work with multidisciplinary teams	Proficiency with R/Python/Stata/SQL
Proficiency with QGIS and DivaGIS	Development of machine learning models	Proficiency with Tableau and PowerBI	Work with international and government agencies

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## EDUCATION

2023	<b>Master of Science in Economics</b> , track in Econometrics, Université de Geneve
2022	<b>Data Scientist using Python</b> , DataCamp
2020	<b>Diploma Course in Big Data &amp; Data Science</b> , Universidad Privada Boliviana
2018	<b>Postgraduate degree in University Education</b> , Universidad Privada del Valle, Bolivia
2016	<b>Bachelor in Economics</b> , Universidad Privada Boliviana, Bolivia

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## WORK EXPERIENCE

2024 (July) – Present	Consultant Analyst at Conservation Strategy Fund (CSF) working with funding from the French Development Agency (AFD): <ul style="list-style-type: none"><li>- Developing an in-depth analysis from an economic and financial perspective of the competition of NDCs in Bolivia.</li><li>- Measuring the cost of each goal in the Bolivian NDC plan and determined if it could be achieved without funding or financial aid from foreign agencies.</li><li>- Measuring the impact on employment and green employment, with a focus on gender, from investment in the different goals of the Bolivian NDC plan.</li></ul>
2023 (March) – Present	Full-time professor at Universidad Privada Boliviana (UPB) at the undergraduate level in: <ul style="list-style-type: none"><li>- Theoretical and Applied Statistics</li><li>- Econometrics</li><li>- Microeconomics</li></ul> Full-time professor at UPB at the graduate level in:

	<ul style="list-style-type: none"> <li>- Applied Statistics</li> <li>- Prediction Models</li> <li>- Statistics for Machine Learning</li> <li>- Econometrics</li> <li>- Time Series Analysis</li> </ul>
	<p>Researcher at UPB in topics related to:</p> <ul style="list-style-type: none"> <li>- Macroeconomic models to measure growth and development</li> <li>- Sustainable alternatives for growth in developing nations</li> </ul>
2022 (August) – 2024 (April)	<p>Consultant Analyst at Conservation Strategy Fund (CSF) working with funding from the Swedish Cooperation:</p> <ul style="list-style-type: none"> <li>- Developed an in-depth analysis of the economic, financial, and environmental effects of the subnational plan of Santa Cruz regarding CO2 emissions and resilience.</li> <li>- Developed microeconomic and macroeconomic models to measure the impact.</li> <li>- Developed forecasts through time series analysis to project different variables, such as CO2 emissions, until 2050.</li> <li>- Conducted an analysis based on different scenarios of fulfillment for the various policies in the plan.</li> <li>- Wrote a paper presenting the main results of the study.</li> </ul>
2020 (October) – 2021 (December)	<p>Consultant Analyst at Conservation Strategy Fund (CSF) working with funding from the Swedish Cooperation:</p> <ul style="list-style-type: none"> <li>- Developed guidelines for the development of the Bolivian NDCs.</li> <li>- Was part of the multidisciplinary team that developed the Bolivian NDCs.</li> <li>- <u>Cited in the official Bolivian NDCs.</u></li> <li>- Measured the economic, financial, and environmental effects of the guidelines proposed for the development of the Bolivian NDCs.</li> <li>- Wrote a paper presenting the main results of the study.</li> </ul>
2019 (December) – 2020 (March)	<p>Operations assistant in FAO:</p> <ul style="list-style-type: none"> <li>- Asset management.</li> <li>- Payment review and processing.</li> </ul>
2019 (December) - 2020 (March)	<p>Consultant in Conservation Strategy Fund (CSF):</p> <ul style="list-style-type: none"> <li>- Developed a quasi-experimental project evaluation through a matching model for a statistical analysis.</li> <li>- Measured the impact of having forests in a natural protected in comparison to the unprotected forests.</li> </ul>
2018 (October) – 2019 (July)	<p>Geographic data analyst in Agencia de Gobierno Electrónico y Tecnologías de Información y Comunicación (AGETIC):</p> <ul style="list-style-type: none"> <li>- Developed and researched a data visualization platform.</li> <li>- Led a project of digital inclusion at a nation-wide level.</li> <li>- Held constant meetings with key agents and organizations to assure the success of the digital inclusion project.</li> <li>- Developed and created geographic datasets for policy evaluation and policy making.</li> </ul>
2017 (November) – 2018 (August)	<p>Consultant and Research Assistant in IADB (Inter-American Development Bank):</p> <ul style="list-style-type: none"> <li>- Consolidated and merged geographic data bases.</li> </ul>

	<ul style="list-style-type: none"> <li>- Aided on research topics related to rural development, environmental effects, and project evaluation.</li> </ul>
2016 (October) – 2017 (October)	Consultant and Research Assistant in CEGIE-UPB (Centro de Generación de Información Estadística): <ul style="list-style-type: none"> <li>- Supervised surveyor teams.</li> <li>- Developed survey forms for the IADB and Swiss Cooperation.</li> <li>- Consolidated and validated data bases for the IADB and Swiss Cooperation.</li> <li>- Making data reports for the IADB and Swiss Cooperation.</li> <li>- Aided on research regarding labor market, rural development, and innovation in Bolivia</li> </ul>
2015 (October) – 2016 (October)	Consultant and Research assistant in CSF (Conservation Strategy Fund): <ul style="list-style-type: none"> <li>- Translated and the development transcript for different videos.</li> <li>- Consolidated and validated databases.</li> <li>- Aided on research regarding environmental effects of different environmental policies in Bolivia.</li> </ul>

## WORKSHOPS AND CONFERENCES

2024	Paper presenter – Bolivian Conference on Development Economics
2024	Poster presenter – International Conference on Sustainable Development
2016	Paper presenter - Bolivian Conference on Development Economics

## RESEARCH

2024p	Co-Author, <i>“Impacto del Plan de mitigación de emisiones de CO2 en el departamento de Santa Cruz”</i> Working paper, Authors: Luis Gonzales, Alfonso Malky, Sergio Bobka, et al.
2024p	Co-Author, <i>“Technological Convergence: The Spillover Effect of Artificial Intelligence on Economic Growth – An Open Globalized Economy Approach”</i> , Working paper, Authors: Oscar Molina-Tejerina, Sergio Bobka, Christian Alemán, Victor Monroy
2024p	Co-Author, <i>“Tourism as a Key Driver of Sustainable Development: The Case of Bolivia”</i> , Working paper, Authors: Oscar Molina-Tejerina, Sergio Bobka, Victor Monroy, Luciano Jesús
2024p	Co-Author, <i>“Concentraciones de mercado”</i> , UPB, Authors: Oscar Molina-Tejerina, Sergio Bobka, et al.
2023	Author, <i>Thesis: Agricultural Production Function: Estimation and analysis from panel data evidence in Bolivia</i> Author: Sergio Bobka

- 2022 Author, *“Impacto económico de las medidas de mitigación de las NDC de Bolivia”*, Revista LAJED: Núm 37, Authors: Luis Gonzales, Alfonso Malky, Sergio Bobka, et al.
- 2020 Author, *“Desarrollo local a partir del turismo en áreas protegidas”*, Atlas Municipal de los Objetivos de Desarrollo Sostenible en Bolivia 2020, Authors: Alfonso Malky, Sergio Bobka, Carla Mendizabal
- 2017 Author, *“Estudio de dinámicas laborales en ciudades intermedias y pequeñas en Bolivia”*, COSUDE; Author: Carlos Foronda, Mauricio Chumacero, Sergio Bobka, Mariana Garcia, Yelussa Vargas
- 2017 Author, *International trade, and unexplained gender wage gaps: evidence for agricultural sector in Bolivia*, Revista Investigación y Desarrollo: Vol.2 Num. 16; Author: Oscar Molina, Sergio Bobka
- 2016 Author, *Thesis: Análisis del Mercado Agrícola: Desigualdad salarial por género entre sectores transables y no transables y grado de transabilidad*, Author: Sergio Bobka
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## LANGUAGES

Spanish:	Mother language
English:	Excellent, TOEFL iBT: 111 Date: February 2020
German:	Good, Test B1 and last course C2.2 in Goethe Institut
French:	Basic Level

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## REFERENCES

PhD Oscar Molina Tejerina  
Universidad Privada Boliviana’s President  
Work reference at UPB (2023-present)  
[oscarmolina@lp.upb.edu](mailto:oscarmolina@lp.upb.edu)  
Tel: +591 2 2165700

Alfonso F. Malky Harb  
CSF’s Latin-America Technical Director  
Work reference at CSF (2019-present)  
[alfonso@conservation-strategy.org](mailto:alfonso@conservation-strategy.org)  
Tel: +591 2 2721925

Juan Manuel Murguía  
IADB Expert in the environmental, rural development and disaster management division  
Work reference at IADB (2017 – 2018)  
[juanmu@iadb.org](mailto:juanmu@iadb.org)  
Tel: +506 2588 8700