Milagros Becerra

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PROFESSIONAL EXPERIENCE

Research Assistant **Worcester, MA**
Clark University *Set 2023–December 2024*

The National Science Foundation and the International Development Community and Environment at Clark U will investigate actions to mitigate climate change effects and ways to improve water availability in central Mexico.

- Collaborating as research assistant on the fellowship lead by the IDCE and the NSF on the Central Mexico Climate Change Project. Core member of component 1 is building an Atlas using ESRI and GIS databases relate with the main concern, Atlas will put together climate, weather trends, water availability information, and community actions in central Mexico.

GIS Special Project Coordinator **Lima, Peru**
NGO, Amazon Conservation - ACCA *March 2020–August 2023*

- Collaborated in the SERVIR Amazonia Hub to write and organize scientific and technical reports of customized tools using geospatial technology implemented in the Peruvian Amazon.
- Supported a near real-time alert system in the Amazon to track gold mining activity and deforestation RAMI using satellite-based earth observations and Google Earth Engine.
- Facilitated over 7 capacity building trainings on deploying QGIS, Google Earth Engine and Google Colab with government agencies, international cooperative and academia to enhance abilities in geospatial technology.

EDUCATION

M.S. in Geographic Information Science | Clark University | Expected May 2025
B.S in Geography and Environment | Pontifical Catholic University of Peru | June 2018

PROJECTS

Monitoring gold mining activity using SAR-satellite data in Madre de Dios, Peru. (Chapter A1.5).

- Supported as co-author in the Cloud-Based Remote Sensing with Google Earth Engine: Process and Prospects from a Large Edited Open-Access Book. Retrieved from https://www.eefabook.org/

Combining spaceborne lidar from GEDI with local knowledge in the forest-agriculture interface of Ucayali, Peru.

- Participated as co-author in Cooley, S., Pinto, N., Becerra, M., et al. (2022). Conservation Science and Practice - Manuscript ID CSP2-23-0167. Under review.

Mapping potential roads of the wildlife traffic market in South America

- Conservation concerns to mitigate the zoonosis, and to reduce the impacts on the wildlife diversity are solving by tracking and mapping the wildlife traffic potential roads. Actions supported the environmental prosecutors on their labor, it was a researched led by Wildlife Conservation Society (2019).

ADDITIONAL SKILLS

- GIS (QGIS and ArcGIS Pro), Esri platforms (Story Maps, Experience Builder), Python, Google Earth Engine (Javascript), Google Colab, SEPAL, Collect Earth Online

LANGUAGES

- English, Spanish and Portuguese