



Lorena Abad

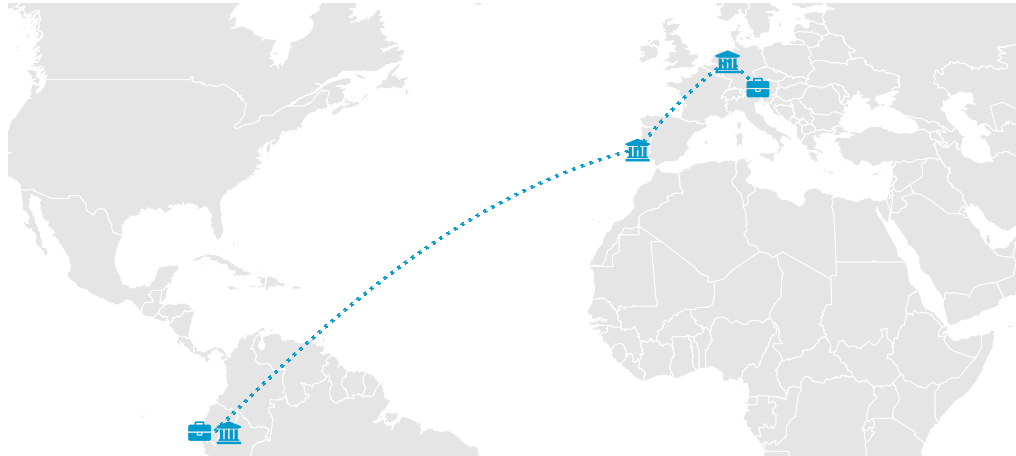
RESEARCHER | ENVIRONMENTAL ENGINEER | MSc. GEOSPATIAL TECHNOLOGIES

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✈ My journey



📄 Publications

An Object-Based Approach for Monitoring the Evolution of Landslide-dammed Lakes and Detecting Triggering Landslides in Taiwan

[Accepted Abstract](#)

GI4DM 2019 ACCEPTED SUBMISSION

06, 2019

- Dabiri, Z., Hölbling, D., Abad, L., Prasicek, G., Argentin, A. & Tsai, T. (2019). An Object-Based Approach for Monitoring the Evolution of Landslide-dammed Lakes and Detecting Triggering Landslides in Taiwan.

Assessment of Landslide-Induced Morphology Changes using an Object-Based Image Analysis Approach: A Case Study of Hitardalur, Iceland

[Accepted Abstract](#)

GI4DM 2019 ACCEPTED SUBMISSION

06, 2019

- Dabiri, Z., Hölbling, D., Abad, L. & Tiede, D. (2019). Assessment of Landslide-Induced Morphology Changes using an Object-Based Image Analysis Approach: A Case Study of Hitardalur, Iceland.

Mapping the Evolution of the Butangbunasi Landslide, Taiwan, using Landsat Time Series

[Accepted Abstract](#)

IUGG 2019 ACCEPTED SUBMISSION

04, 2019

- Hölbling, D., Dabiri, Z., Tsai, T., Prasicek, G., Tsui, C.Y., Schäffer, L., Argentin, A. & Abad, L. (2019). Mapping the Evolution of the Butangbunasi Landslide, Taiwan, using Landsat Time Series.

Quantifying Bicycle Network Connectivity in Lisbon Using Open Data

[Journal Article](#)

INFORMATION, MDPI

11, 2018

- Abad, L., & van der Meer, L. (2018). Quantifying Bicycle Network Connectivity in Lisbon Using Open Data. Information, 9(11), 14. <https://doi.org/10.3390/info9110287>

Exploratory analysis of volunteer cyclists behavior through spatio-temporal patterns mining in Cuenca, Ecuador

[Journal Article](#)

MASKANA

06, 2018

- Abad, L., & Orellana, D. (2018). Análisis exploratorio de comportamientos de ciclistas voluntarios mediante minería de patrones espacio-temporales en Cuenca, Ecuador. Maskana, 9(1), 141-151.

Potential distribution of the Polylepis genus in the Paute river basin under a climate change scenario

[Journal Article](#)

REVISTA DE LA FACULTAD DE CIENCIAS QUÍMICAS

12, 2018

- Mejía-Coronel, D., Tonón, M., & Abad, L. (2018). Distribución Potencial del Género Polylepis en la Cuenca del Río Paute bajo un Escenario de Cambio Climático. Revista de La Facultad de Ciencias Químicas., December(19), 21-37.

Water quality and environmental variables in endangered amphibia habitats in Cuenca urban area

Journal Article

REVISTA DE LA FACULTAD DE CIENCIAS QUÍMICAS

11, 2017

- Abad, L., Mejía, D., León, P., Cárdenas, I., Pacheco, B., & Tonón, M. (2017). Calidad del Agua y Variables Ambientales en Hábitats para Anfibios Amenazados en la Zona Urbana de Cuenca. Revista de La Facultad de Ciencias Químicas. Universidad de Cuenca.

Particulate Matter less than 10 microns concentration estimation through Remote Sensing in the Urban Area of Cuenca city

Conference Proceedings

XVI CONFERENCIA DE SISTEMAS DE INFORMACIÓN GEOGRÁFICA

09, 2017

- Abad, L., & Mejía-Coronel, D. (2017). Estimación De La Concentración De Material Particulado Menor a 10 Micras a Través De Sensores Remotos En El Área Urbana De La Ciudad De Cuenca. In XVI Conferencia de Sistemas de Información Geográfica (pp. 381-390). Cuenca, Ecuador: Universidad del Azuay.

Professional Experience

University of Salzburg

Salzburg, AT

RESEARCHER - Z_GIS

04, 2019 - NA, NA

- Research assistant for the projects MORPH, RiCoLa and others within the Landslide division of the OBIA group in the Department of Geoinformatics Z_GIS.

Universidad de Cuenca

Cuenca, EC

RESEARCH ASSISTANT - GRUPO DE INVESTIGACIÓN DE CIUDADES SUSTENTABLES LLACTALAB - DEPARTAMENTO

05, 2017 - 08, 2017

INTERDISCIPLINARIO DE ESPACIO Y POBLACIÓN

- Spatio-temporal data analyst for the project: "Study of Cyclists and Pedestrian Mobility Patterns in Cuenca for a Sustainable Mobility".

Universidad de Cuenca

Cuenca, EC

TECHNICAL ASSISTANT - CARRERA DE INGENIERÍA AMBIENTAL - FACULTAD DE CIENCIAS QUÍMICAS

09, 2016 - 08, 2017

- CEDIA project "Geo-statistical Inference of Meteorological Data for Azuay and Chimborazo provinces".

Universidad de Cuenca

Cuenca, EC

RESEARCHER - CARRERA DE INGENIERÍA AMBIENTAL - FACULTAD DE CIENCIAS QUÍMICAS

10, 2016 - 01, 2017

- Project "Water Quality and Environmental Variables Monitoring in Artificial Habitats for Endangered Species in Cuenca".

Universidad de Cuenca

Cuenca, EC

RESEARCH ASSISTANT - CARRERA DE INGENIERÍA AMBIENTAL - FACULTAD DE CIENCIAS QUÍMICAS

03, 2016 - 07, 2016

- Project "Determination of Particulate Matter PM10, PM2.5, and noise in Cuenca canton".

Universidad de Cuenca

Cuenca, EC

TEACHING ASSISTANT - CARRERA DE INGENIERÍA AMBIENTAL - FACULTAD DE CIENCIAS QUÍMICAS

03, 2012 - 07, 2015

- Introduction to Physics and Remote Sensing for the Environmental Engineering Career from Universidad de Cuenca.

Universidad de Cuenca

Cuenca, EC

INTERSHIP - GRUPO DE INVESTIGACIÓN DE CIUDADES SUSTENTABLES LLACTALAB - DEPARTAMENTO INTERDISCIPLINARIO DE

ESPACIO Y POBLACIÓN

05, 2015 - 06, 2015

- Cartographic data gathering organization, topographic correction and categorization of urban land uses, scientific papers analysis for bibliographic review.

Universidad de Cuenca

Cuenca, EC

INTERSHIP - DEPARTAMENTO DE RECURSOS HÍDRICOS Y CIENCIAS AMBIENTALES (IDRHICA)

07, 2014 - 09, 2014

- Assess the functioning state of Davis Station sensors, identify similarities and differences of two river basins hydrograms, analyze the effects of temperature and relative humidity on reference evapotranspiration calculation.

Education

Westfälische Wilhelms-Universität Münster

Münster, DE

ERASMUS MUNDUS MSc. GEOSPATIAL TECHNOLOGIES

2018 - 2019

- S2 2018: covering Cartography, Reference Systems, Spatial Data Science with R, Unmanned Aerial Systems
- S3 2018: Masters Thesis: Validating a bike network analysis score based on open data as a connectivity measure of urban cycling infrastructure adapted for European cities. Supervised by Prof. Dr. Edzer Pebesma.

Universidade Nova de Lisboa

Lisbon, PT

ERASMUS MUNDUS MSc. GEOSPATIAL TECHNOLOGIES

2017 - 2019

- S1, 2017: covering Geospatial Data Mining, Geostatistics, Remote Sensing, Geographic Information Science, Python programming.
- More info: mastergeotech.info

Universidad de Cuenca

Cuenca, EC

ENVIRONMENTAL ENGINEER BSc.

2011 - 2016

- Covering Cartography, Remote Sensing, Ecology, Hydrology, Meteorology and Climatology, Environmental Studies, Natural Resources Management, among 66 subjects during 10 semesters.
- More info: ucuenca.edu.ec

Universität Osnabrück

Osnabrück, DE

BIODIVERSITY SUMMER SCHOOL: THE DIVERSITY OF ECOSYSTEMS, GENES AND SPECIES

2015

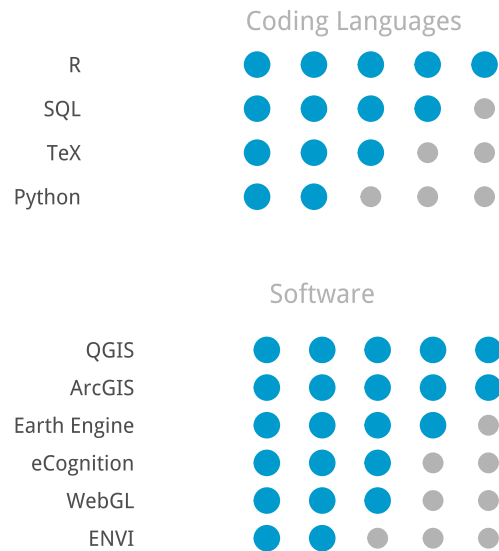
- More info: uni-osnabrueck.de

2018	Benigno Malo Prize - University Honors Award
2018	AGILE 2018 conference - travel grant
2017	Erasmus Mundus Scholarship
2014 - 2016	Vanguardia Honors Program

Universidad de Cuenca
AGILE & ESRI
European Commission
Universidad de Cuenca

Personal Skills

TECHNICAL SKILLS



LANGUAGES

Skill	Spanish	English	French	Portuguese	German	Dutch
Reading	Native	C2	B2	B1	A2	A1
Writing	Native	C1	B2	B1	A1	A1
Listening	Native	C2	B2	B1	A2	A1
Speaking	Native	C2	B2	B1	A2	A1

Common European Framework of Reference for Languages: A1/A2: Basic User. B1/B2: Independent User. C1/C2: Proficient User