# Gloria Mariño Briceño

## M S C. MARINE ENVIRONMENTAL RESOURCES

Contact info in the card

Dynamic biologist focused on environmental sciences and technology. Creative and with high analytic capacities, proficient in data analysis and visualization, grant acquisition, experimental design, and efficient project management. Thrives in multicultural environments continuously enhacing adaptability and problem-solving skills. Aspiring to utilize ecological and technological knowledge to adress socio-ecological challenges through data-driven strategies, particularly in the realms of sustainable development and climate change.

## PROFESSIONAL EXPERIENCE

### Environmental Consultant
Waitt Institute

**San Diego, California, USA (Remote)**
**November 2022 - April 2023**

- Analyzed underwater images from remote islands of Tonga and Samoa as part of an international research group provideing crucial data for their Marine-Protected Areas decision-making processes.

### Traineeship fisheries management
Eurodyssey - Okeanos

**Wallonia, Belgium- Azores, Portugal**
**July 2022 - December 2022**

- Effectively communicated research findings on deep sea fish exploitation of the Azores through posters presentations and oral sessions at international conferences (Ireland, ICES; and Spain, MER Summit), and a scientific publication.
- Utilized statistical models (GLM, GAM), bibliographic search and data visualization to determine the distribution and fisheries parameters of commercially exploited deep-sea fishes in the Azores.

### Research assistant
Cape Eleuthera Institute

**Eleuthera, Bahamas**
**January 2020 - September 2020**

- Ensured the health and productivity of the coral nurseries and the aquaponics system through thoughtful mantainance.

### Research assistant
Experimental Ecology Laboratory (LEE), Simón Bolívar University

**Caracas, Venezuela**
**September 2014 - September 2019**

- Coordinated field sampling in three locations for the Coral Reef in Venezuela Rapid Ocean Grant project through logistics, plannification of the underwater surveys and data storage.
- Developed protocols for the collection, organization, and safeguard of photographic, video, and metadata information for the project.
- Successfully obtained funding through crowdfunding and grant writing for presenting research at an international conference, and to complete fieldwork for two theses.
- Conducted marine biodiversity assessments and environmental impact evaluations in the Caribbean, Atlantic Ocean, and Indo-Pacific Ocean, collaborating with organizations such as the Global Coral Reef Monitoring Network, Waitt Institute, INVEMAR, and the oil company PDVSA. Employed various techniques, including image analysis of benthos, stomach content analysis, and fouling experiments.
- Conducted statistics analysis and data visualization (ANOSIM, PCA, Distlm, logistic model) to assess coral variation in space and time.
- Generated 3D models to track coral growth and survivorship through interdisciplinary collaboration with the mecatronics group.

## EDUCATION

### Master in Marine Environmental Resources

2020- 2022 Erasmus Mundus Joint Master Degree: Bordeaux Univeristy, Basque Country University, Liege University

- Awarded the Prof Michael B. Collins for Best Master Thesis Presentation (2022): "Life–history and fishing aspects of deep-sea silver scabbardfish Lepidopus caudatus in the Azores"
- Recipient of Erasmus Mundus Scholarship (49 000 EU)

### Bachelor of Sciences, Minor in Biology

2012-2020 Simón Bolívar University

- Final grade: 4.17/5
- Undergraduate thesis with distinction
- VP, Underwater Activities Club, CESUSIBO

## SKILLS

**Computational literacy**

- Data analysis: R, Python
- Data visualization: R ggplot2, Python matplotlib
- 3D Modelling: Agisoft, Meshlab, Blender.
- Statistical Analysis: R, Primer, Excel.
- Photography: Photoshop, Lightroom, GIMP
- MS products

**Languages**

- Spanish (Native)
- English (Bilingual)
- Portuguese (Professional working proeficiency)
- French (Beginner)
- Music