

Ricardo González Gil, PhD

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MARINE ECOLOGIST AND DATA ANALYST COMMITTED TO OCEAN SUSTAINABILITY

15+ years of experience in marine ecology research (including biodiversity), fisheries studies, and aquaculture sustainability. Proficient in managing complex environmental databases across multiple spatiotemporal scales to support decision-making. Expertise in R programming, statistical and mathematical modelling, and data collection, analysis, and visualisation, complemented by strong adaptability to new tools and methodologies. Proven ability to engage with diverse stakeholders—including government agencies, academia, and NGOs—on consultancies and projects related to environmental conservation, small-scale fisheries management, and aquaculture research throughout Europe, America, and Africa. Strong written and oral communication skills, demonstrated in 14 scientific publications (see my [portfolio](#)), and in multiple technical reports and conference presentations. Adept at collaborating in remote, multidisciplinary, and international teams.

KEY SKILLS AND INTERESTS

Marine Ecology and Biodiversity | Oceanography | Conservation | Fisheries | Aquaculture | Monitoring programmes
Data collection, analysis and visualisation | R programming | Statistical and mathematical modelling | Satellite data
Project management | Written and oral communication | Online collaborative tools

EMPLOYMENT HISTORY

AMATELA – Tegucigalpa, Honduras

January-April 2025

Consultant in environmental and social risk management

- Developed technical protocols and management tools as part of the Environmental and Social Commitment Plan (ESAP) for a project led by the local conservation NGO AMATELA, aimed at strengthening management and enhancing the health of the “*Refugio de Vida Silvestre Marino Bahía de Tela*”, a coral reef Marine Protected Area on the north coast of Honduras.
- Ensured compliance with safeguard requirements set by KfW Development Bank and MAR Fund, while providing training to AMATELA and other key stakeholders involved.

GOAL – Tegucigalpa, Honduras

July 2023-September 2024

Blue Economy Coordinator for Latin America and the Caribbean (LAC)

- Led and developed [GOAL](#)'s Resilient Blue Economy programme and strategy in the LAC region, consistent with an ecosystem approach that supports local communities and sustainable livelihoods in fisheries and ecotourism.
- Coordinated and participated in the development and submission of 10+ funding proposals and concept notes, ensuring alignment with organizational goals and donor requirements, including those set by International Finance Institutions.
- Led the development of an [R4S](#) analysis for the artisanal fishery system in Sierra Leone, including in situ data collection and the final report.
- Represented GOAL's Blue Economy programme at the UN Ocean Decade Conference 2024.

Roatan Marine Park, RMP – Tegucigalpa, Honduras

July 2023

Consultant in marine ecology and data analysis

- Analysed and visualised a biological and physicochemical dataset of stony coral tissue loss disease (SCTLD) collected around the Caribbean island of Roatán, Honduras.
- The analysis will assist in understanding the impacts of stony coral tissue loss disease (SCTLD) on coral reefs.

Coral Reef Alliance, CORAL (California, USA) – Tegucigalpa, Honduras

April-June 2023

Consultant in data analysis

- Revised, cleaned and analysed the dataset (1600 respondents and 50+ questions) of the Water and Sanitation project in Coxen Hole (Roatán island, Honduras).
- Visualised the data using summary graphs for policymakers and other stakeholders.
- The analysis will assist the regional government in implementing a plan for improved sanitation and sewage treatment efficiently.

**University of Oviedo (Asturias, Spain) – Remote
Fisheries researcher**

August 2022-April 2023

- Evaluated the stocks of sea bass, octopus, gooseneck barnacle and other species exploited by the Asturian fishers.
- Provided guidance and technical assistance to regional policymakers and other stakeholders from the government to implement the best management strategies.
- Among other results, the evaluation of the octopus was critical to maintaining the [MSC certification](#) of the fishery.

**Coral Reef Alliance, CORAL (California, USA) – Tegucigalpa, Honduras
Consultant in fisheries, marine ecology and data analysis**

May-August 2022

- Conducted scientific research for [CORAL](#) focused on a fish stock assessment in the Jeannette Kawas Protected Area and on the Mesoamerican Regional water quality.
- Communicated and guided the [CORAL](#) team, external partners, and other stakeholders.
- The results generated will support the implementation of regulations to monitor the evaluated fishery and to improve water quality and protect the coral reefs.

**Blue Remediation Ltd. (Glasgow, UK) – Remote
Consultant in marine ecology and data analysis for aquaculture sustainability**

September 2021-March 2023

- Analysed lab and field data collected by [Blue Remediation](#) to propose bioremediation solutions in coastal Scottish salmon farming.
- Conducted biodiversity assessments to evaluate positive effects on benthic infaunal species.
- Communicated main research findings to the team and donors via progress reports.
- The analysis revealed significant reductions in seafloor organic matter, paving the way for more sustainable aquaculture practices and potential increases in productivity.

**University of Strathclyde, Dept. of Mathematics and Statistics – Glasgow, UK
Postdoctoral researcher**

February 2018-January 2020

- Analysed 20 years of data collected at the [Stonehaven coastal monitoring site](#) (North Sea) by [Marine Scotland Science](#).
- Identified and described long-term changes in the coastal spring plankton bloom and its main environmental drivers. The study examined shifts in group structure within the phytoplankton community.
- Coordinated the project by liaising between partners using online collaborative tools and meetings.
- Communicated key study results via scientific publications, oral presentations, and reports. In particular, the [published paper](#) is the first confirmation of the Disturbance Recovery Hypothesis for a coastal area.

**University of Oviedo – Asturias, Spain
Fisheries researcher**

June-December 2017

- Analysed 17 years of data from a coastal [artisanal octopus fishery](#). Explored and visualised data to improve our understanding of octopus biology and fishery dynamics in Asturias.
- Worked collaboratively with stakeholders and policymakers from the government to develop new management tools.
- Compiled an accurate and professional report for use by external evaluators of the fishery, which was essential to maintaining the [MSC certification](#) of the fishery.

DATA COLLECTION AND FIELDWORK EXPERIENCE

University of Oviedo – Asturias, Spain

2008-2013

Participation in monitoring programmes and oceanographic sampling campaigns onboard research vessels:

- “DOS MARES. Deep-sea canyons and slopes in the Mediterranean and Cantabrian Seas: from synchrony in external forcing to natural resources-BIOCANT”.
- “RADIALES programme. Long-term monitoring of chemical and biological conditions in the Asturian shelf”.
- “COSTAS. Characterisation and modelling of spatiotemporal patterns of variation in coastal communities in Asturias”.

ESGERENA, s.l. – Asturias, Spain

August 2006 & August 2007

Fieldwork assistance in an endangered species conservation project: “Summer census of capercaillie (*Tetrao urogallus cantabricus*) in the Cantabrian Range”.

Volunteer participation as fieldwork assistant in the bird ringing project: “Summer census of alpine birds in the Picos de Europa national park”.

EDUCATION

University of Oviedo – Asturias, Spain**September 2010-February 2016****PhD in Marine Ecology**

- Title: “Long-term changes in the planktonic community in the central Cantabrian Sea”. Grade: *Magna Cum Laude*.
- 3-month research stay (2012-2013) at the UC Davis Bodega Marine Laboratory, California (USA).

University consortium – Several European countries**September 2008-June 2010****MSc Erasmus Mundus in Marine Biodiversity and Conservation ([IMBRSea](#); previously [EMBC](#))**

Grade: with the Greatest Distinction.

University of Oviedo – Asturias, Spain**September 2003-June 2008****BSc in Biology**

Average grade: 9.41/10.

HONOURS AND AWARDS

Outgoing postdoctoral grant Marie Curie – Clarín COFUND 2017**February 2018-January 2020**

Funding institution: Asturias Government (Spain) through [FICYT](#).

Doctoral scholarship FPU**July 2009-July 2013**

Funding institution: Spanish Ministry of Education, Culture and Sport.

Student Collaboration Scholarship**October 2007-June 2008**

Processed and analysed subtropical plankton samples from the project “CARPOS” at the University of Oviedo.

Funding institution: Ministry of Education, Culture and Sport, Spanish Government.

TEACHING AND TRAINING EXPERIENCE

University of Oviedo (Asturias, Spain) – Remote**April-June 2023****[IMBRSea](#) Professional Practice co-supervisor**

- Topic: Characterisation of the Mediterranean snakelocks sea anemone (*Anemonia sulcata*) fishery in Asturias.

University of Oviedo – Asturias, Spain**2011 & 2013****Laboratory and field instructor in the 4th and 5th year of the BSc in Biology**

- Subject: “Environmental impact evaluation”. Role: Supervision of different projects developed by the students, including training during fieldwork and data analysis.
- Subjects: “Aquatic system ecology” and “Energetic and evolutive ecology”. Role: Lectures and laboratory work supervision.

PUBLICATIONS AND CONGRESS PRESENTATIONS

- Published 14 peer-reviewed articles and two book chapters (see personal [GitHub portfolio](#), [ResearchGate](#), or [ORCID](#)) in the fields of fisheries, marine ecology, oceanography, microbiology and statistics. In addition, 5+ articles have been submitted for publication or are in preparation.
- Participated in 13 congresses with oral presentations or posters.

OTHER RESEARCH AND ACADEMIC EXPERIENCE

- Méndez Analytics – Remote** **2023**
Course in Multivariate Analysis and Modelling.
- University of Oviedo (Asturias, Spain) – Asturias, Spain** **2012**
Advance R course completion.
- University of Oviedo (Asturias, Spain) – Asturias, Spain** **2010**
Guest lecturer in the MSc “*Experimental Techniques applied to the management and conservation of biological resources*”.
- Alfred Wegener Institute (AWI) – Bremerhaven, Germany** **2009**
One-month laboratory assistance in growth experiments of Antarctic diatoms. Supervisors: Dr. Victor Smetacek and Dr. Philipp Assmy.
- Max Planck Institute for Marine Microbiology – Bremen, Germany** **2009**
Two-month laboratory assistance. Supervisor: Dr. Heide Schulz-Vogt.

SCIENTIFIC SERVICE, MEMBERSHIPS AND OUTREACH

- Member of the [Data Visualization Society](#) since 2025.
- Mentor at the [STEM Honduras Foundation](#) since 2024.
- Member of the “[Aves de Honduras](#)” ornithological society since 2023.
- Mentor and presentation reviewer at the Ocean Science Meeting 2022 ([OSM 2022](#)).
- Member since 2021 of [Ecos\(i\)food](#), a research project to enhance the sustainability of artisanal fisheries in Asturias (Spain).
- Member of the [MASTS Marine Climate Change Forum](#). Organised an international online workshop (Dec. 2020).
- Volunteer participation in the outreach activity “[I’m a scientist, stay at home](#)” to engage with the public (2020).
- Member of the Ocean Observatory of Asturias (Observatorio Marino de Asturias, [OMA](#)).
- Member of the American Society of Limnology and Oceanography (ASLO), 2017-2024.
- Peer reviewer for Ocean Science, Journal of Operational Oceanography, and Biogeoscience.

IT SKILLS

- Proficient in R programming, using this software for most data analysis.
- Other software programs: Matlab, SPSS, QGIS, GitLab and GitHub, Ocean Data View, PRIMER, SURFER, Inkscape, GIMP, Photoshop, Microsoft package, and online collaborative tools (including Google Docs and Sheets, Trello, Notion, Microsoft Teams, and Slack).

LANGUAGES

Spanish: *Native*. **English:** *Proficient*. **French:** *Basic*. **German:** *Basic*.

OTHER SKILLS AND INTERESTS

- FEDAS-CMAS B1E scuba diving degree (2012).
- Intermediate level piano degree (1994-2004). Superior conservatory of music Eduardo Martínez Torner, Oviedo, Spain.
- Extensive travel experience across America, Europe, North Africa, and Asia.