



CENTRO DE SÍNTESE EM BIODIVERSIDADE
E SERVIÇOS ECOSISTÊMICOS

Vaga para pós-doutorado junto ao projeto “Recifes brasileiros no Antropoceno” aprovado na primeira chamada do SinBiose (Centro de Síntese em Biodiversidade e Serviços Ecosistêmicos), CNPq. Oportunidade **única** para trabalhar com um grande grupo de pesquisadores e desenvolver questões relacionadas ao funcionamento, provisão de serviços ecossistêmicos e conservação dos recifes no Brasil. Elegibilidade: experiência com modelagem e ecologia quantitativa, domínio de linguagens de programação e manejo de grandes bases de dados, capacidade de trabalhar tanto em grupo quanto individualmente, habilidade para comunicação escrita e oral, incluindo em língua inglesa. *Background* em ecologia marinha e sistemas recifais é bem-vindo, mas não fundamental.

Post-doctoral Researcher in Ecological Modeling and Marine Ecosystem Services	
Call	<p>Are you interested in ecosystem functions, services and the responses of biodiversity to global change? You also feel like tackling relevant questions in your work, and improve people’s livelihood? You have always wanted to work with marine ecosystems, especially reefs? All of this is possible within our project “Brazilian reefs in the Anthropocene”. See below how to apply and work with us.</p> <p>P.I. Prof. Mariana Bender, Department of Ecology and Evolution, UFSM Co-P.I. Prof. Sergio Floeter, Department of Ecology and Zoology, UFSC</p>
Project and position summary	<p>The project “Brazilian reef systems in the Anthropocene: estimating the impacts of biodiversity loss on marine ecosystem functioning and services to improve future management and livelihood” is part of SinBiose (www.sinbiose.cnpq.br), the first ecological synthesis center in Brazil. The project working group includes 19 researchers and managers from Brazilian, European and American institutions. In this project we will unify extensive datasets collected systematically for reef organisms (fish and benthos) across varying spatial and temporal scales in Brazil.</p> <p>The project aims to (i) deliver an integrative synthesis about the distribution of reef biodiversity and the ecosystem services they provide along the Brazilian coast, (ii) model the responses and future trajectories of Brazilian reef communities to global change (e.g. rising SST), (iii) assess the effectiveness of the Brazilian network Marine Protected Areas (MPAs) in safeguarding and offering services to local human populations.</p> <p>Post-doctoral researcher will manage large datasets, conduct data analysis, participate in working group meetings and lead several research articles. See duties below.</p>

Location	Santa Maria, Rio Grande do Sul, Brazil
Department/ University	Ecology and Evolution Department, Universidade Federal de Santa Maria
Duration	1 year (12 months) up to 24 months
Duties	<ul style="list-style-type: none"> • Conduct research to address the objectives of the project • Manage research activities in an organized manner, to meet project targets • Lead data analysis and interpretation • Lead and co-lead writing and publishing of results in high impact journals • Present project results at internal and external meetings • Engage with project co-investigators and colleagues • Spend time visiting and working with project partners when necessary • Organize and attend project group meetings that will take place in Brasilia • Assist graduate and undergraduate students in projects related to the SinBiose project “Reefs in the Anthropocene”
Selection Criteria	
Essential skills and knowledge	<ul style="list-style-type: none"> • Experience in data analysis and interpretation, including statistical modelling of large and complex datasets • Fluency in programming languages (R or Python) • Good organisational skills, excellent record-keeping • Publication record appropriate to stage of career including recent first authored research publications in internationally recognised peer-reviewed journals • Proactive and hard-working with a high degree of initiative, enthusiasm and positive attitude • Ability to communicate effectively and present information in an accurate and appropriate format • Capacity to work both individually and as part of a group • Good writing and speaking skills (English)
Desirable skills and knowledge	<ul style="list-style-type: none"> • Background in ecology and species distribution modelling • Understanding of coral reef ecology and/or marine ecosystems • Understanding of ecosystem based management and marine conservation
Salary	R\$ 4.100,00 monthly wage (tax free)
How to apply	<ul style="list-style-type: none"> • CV • Letter of intention (3 pages maximum). In this letter, applicants must demonstrate how they meet the <i>selection criteria</i> above. • Email a single PDF file to marianabender.bio@gmail.com with the email title “SinBiose Post-doc - Your last name”. Final candidates will be contacted for interviews (in Portuguese or English)