



Lead institution: University of São Paulo	
Supervisor name: Luis Enrique Sánchez	Department: Programa de Pós-Graduação em Engenharia Mineral - PPGEMin
Recipient: https://www.rcgi.poli.usp.br/opportunities/ Ref: 24MSc268 – Master’s scholarship Deadline for submission: May 01th, 2024	Type: Master’s Scholarship Period: 40 hours/week Number of months: 24 Intended beginning date: June 2024 with application in Postgraduate Program in the first semester 2024
Project title: (Portuguese and English) Avaliação de impacto ambiental e social de energia eólica offshore (EnvSoOff) Assessment of the environmental and social impact of offshore wind energy (EnvSoOff)	
Research theme area: (Portuguese and English) Avaliação de Impacto, Impactos Cumulativos, Avaliação Ambiental Estratégica, Planejamento Espacial Marinho, Desenvolvimento energético offshore. Impact Assessment, Cumulative Impacts, Strategic Environmental Assessment, Marine Spatial Planning, Offshore Wind Energy.	
Abstract (Portuguese and English) O candidato irá colaborar com os pesquisadores do projeto EnvSoOff fomentado pela TotalEnergies junto ao Research Centre for Gas Innovation da POLI-USP na Universidade de São Paulo. Resumo do programa e os projetos podem ser encontrados no site da RCGI (http://www.rcgi.poli.usp.br/). Este projeto de pesquisa visa desenvolver uma estrutura analítica para avaliar e mitigar os impactos ambientais e sociais de parques eólicos offshore na costa brasileira, fundamentada na abordagem ecossistêmica e nas melhores práticas internacionais. Como foco desta pesquisa de mestrado, deve ser desenvolvida uma revisão e seleção de indicadores de efetividade para a avaliação de impacto ambiental e social de projetos de parques eólicos offshore. A pesquisa inclui: (a) revisão da literatura técnica e científica sobre indicadores ambientais e sociais e medidas mitigadoras adequadas para a avaliação e acompanhamento de projetos (b) seleção de indicadores coerentes com a cadeia causal de impactos de projetos de usinas eólicas offshore, com construção de suas fichas metodológicas; e (c) validação do conjunto de indicadores selecionado. The candidate will collaborate with researchers from the project EnvSoOff promoted by TotalEnergies at the Research Centre for Gas Innovation of POLI-USP at the University of São Paulo. A summary of the program and projects can be found at the RCGI website (http://www.rcgi.poli.usp.br/). This research project aims to develop a framework for the assessment and mitigation of environmental and social impacts of offshore wind farms on the Brazilian coast, grounded on the ecosystem approach and on international best practices. The	



focus of this master's research is to develop a review and selection of suitable effectiveness indicators for the environmental and social impact assessment of offshore wind farm projects. The research includes (a) a review of the technical and scientific literature on environmental and social indicators and mitigation measures for evaluating the project follow-up (b) the selection of indicators consistent with the causal chain of impacts of offshore wind farm projects, including the construction of their methodological sheets; and (c) validation of the selected set of indicators.

Description (Portuguese and English)

O candidato contribuirá alinhado ao seguinte objetivo do projeto:

1. Componente 3: Preparar uma cadeia causal de atividade-aspecto-impacto-mitigação para desenvolvimento de energia eólica offshore e orientação de AIA para o setor;

The applicant will contribute in line with the following objectives of the project:

1. Component 3: To prepare an activity-aspect-impact-mitigation causal chain for offshore wind energy development and EIA guidance for the sector;

Requirements to fill the position. (Ex: specific experience, minimum or maximum years after concluding the course) (Portuguese and English)

Este projeto é adequado para um(a) profissional altamente motivado(a) e requer conhecimento intermediário sobre Avaliação de Impacto Ambiental e Social. O(A) candidato(a) deve ser graduado em carreiras aderentes ao projeto e requisitos da vaga, como engenharia ambiental, gestão ambiental, ciências ambientais, ciências biológicas e geografia. Conhecimento intermediário em inglês é necessário. Experiência em licenciamento ambiental é um diferencial.

This project is suitable for a highly motivated professional and requires intermediate knowledge on Environmental and Social Impact Assessment. The candidate must have a degree adherent to the project and the position's requirements, such as environmental engineering, environmental management, environmental sciences, biological sciences or geography. Intermediate English language skills are required. Experience in environmental licensing is a differential.

Funding Notes: Esta chamada oferece 1 (uma) bolsa para esse projeto. Esta bolsa de mestrado é financiada pela FUSP. A bolsa cobrirá uma manutenção padrão de R\$ 3.500,00 por mês.

This call offers 1 (one) grant for this project. This master's scholarship is funded by FUSP. The scholarship will cover a standard maintenance stipend of R\$ 3,500,00 per month.

Work place: Escola Politécnica de São Paulo (Polytechnic School of the University of São Paulo), Departamento de Engenharia de Minas e de Petróleo (Department of Mining and Petroleum Engineering), Av. Prof. Mello Moraes, 2373 - São Paulo – SP, 05508-900



Research Centre for Greenhouse Gas Innovation

Documents/Information to be Sent:

Ref: 24MSc268

- 1) Fill-in the application form:

<https://docs.google.com/forms/d/e/1FAIpQLSfv4KkheEQeMJKiDnkVkOQiDm5pvKU28bFJR5uNhYpJgU0Dhw/viewform>

Deadline: May 01th, 2024

In case you have any question, please write to rcgi.opportunities@usp.br