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Abstract: The article focuses on the MICROMar project, a significant global initiative aimed at mapping and establishing benchmark levels of microplastic (MP) pollution on Brazilian beaches. Launched in December 2022 and set to conclude in December 2025, the project involves over 20 Brazilian and international institutions and covers a vast latitudinal gradient along the Brazilian coastline, sampling 1212 beaches. Utilizing standardized methodologies and advanced analytical techniques, including Raman spectroscopy and machine learning, MICROMar seeks to understand the dynamics of MP pollution and its environmental impacts, while promoting open-access science and collaboration among researchers. The project aligns with the UN's Sustainable Development Goal 14 for clean oceans and aims to provide a model for addressing plastic pollution in the Global South.

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