

ANALYSIS OF THE APPLICATION OF SUSTAINABLE AND CIRCULAR PRACTICES IN THE MARITIME SECTOR OF MONTENEGRO

Ivana Bacović, Dragana Milošević

University of Montenegro, Faculty of Maritime Studies Kotor, Put I Bokeljske brigade 44, 85330 Kotor, Montenegro, ivanabacovic@edu.ucg.ac.me, milosevic.d@ucg.ac.me

ABSTRACT

Sustainability and the circular economy are increasingly shaping the modern maritime sector through more efficient resource use, less waste, and better recycling practices. Ports, marinas and shipyards play an important role in the application of sustainable business models due to their intensive use of resources, the generation of various types of waste, and their environmental impact. Although the focus on sustainability in the maritime economy has been increasing in Montenegro in recent years, the application of the principles of circular economy and recycling is still not sufficiently researched. The subject of this review is the analysis of existing sustainable and circular practices in the maritime sector of Montenegro, with a special focus on ports, marinas and shipyards. The analysis includes activities related to waste management, material recycling, resource reuse, energy efficiency improvements, and the implementation of sustainable business practices. A particular focus is placed on activities in the port sector, including waste tire recycling and wastewater recycling projects, as well as sustainable marina practices. The results of the research indicate that in Montenegro there are initial steps towards the application of the circular economy in the maritime sector, but also numerous limitations related to the lack of standardized indicators of sustainability, limited availability of data and insufficiently developed recycling systems. At the same time, the growing focus on sustainable resource management indicates a significant potential for further development of circular and recycling practices in the maritime economy of Montenegro.

Keywords: sustainability, circular economy, recycling, maritime.