

PROJECT NO. 525

ESTIMATION, MONITORING AND REDUCTION OF PLASTIC POLLUTANTS IN LATVIAN-LITHUANIAN COASTAL AREA VIA INNOVATIVE TOOLS AND AWARENESS RAISING (ESMIC)

Project aims to develop a sustainable, cost-effective framework for plastic litter detection, monitoring and management in marine and coastal environments. Absence of physical coastal borders between Latvia and Lithuania means that actions taken in one country might affect the other. Plastic that accumulates in algal wracks on the shore or in algal scum might be a target area for plastic pollution estimation and mitigation measures. Moreover a trans boundary activities on plastic associated pathogenic microorganisms might result in a safer and improved local bathing site monitoring. The project aims to link remotely sensed features (Earth observation from space and drones) with marine plastic litter in such areas and suggest a joint and efficient approach for monitoring and management, which can be used by municipalities or national authorities in Lithuania and Latvia.

Project duration:
01.10.2020 - 30.09.2022

Project ERDF financing:
449 574.89 Eur

Partners:

Klaipėda University
Klaipėda Science and Technology Park
Latvian Institute of Aquatic Ecology, Agency of Daugavpils University
Foundation for Environmental Education (FEE) Latvia



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