

OCEAN POLLUTION & WASTE SOLUTIONS

Providing solutions to ocean pollution One of the main challenges/threats to the oceans

Version of November 21

DETECTION, MONITORING & REMOVAL OF WASTE

Project pipeline

Project observer

DBC Project

GENERAL OCEAN HEALTH

Macro waste	Microplastics	Ammunition dump	Pollutants	Ocean system
Detection, monitoring and removal of macro waste from the marine environment	Detection, monitoring and removal of microplastics from the marine environment	Development of methods to safely remove dumped ammunition from the marine environment	Development of methods to safely remove pollutants from the marine environment	Accumulation of knowledge about the general state and health of the sea at a time when wide ocean systems are under pressure
 Topics Stopping waste at source (harbours & rivers), possibly by means of natural collection systems Remote sensing for pollution detection Alternative methods for using marine waste as a raw material Socio-economic impact of marine litter (North Sea) 	 Topics Automated, cost-efficient detection methods for microplastics Technologies for the selective removal of microplastics from matrices (sediment, dredgings, air, biota) 	 Topics Screening of clean-up scenarios Automated recognition and monitoring of (buried) ammunition Development of an underwater explosion chamber Development of special equipment for the removal of ammunition 	 Topics Bio-remediation – biological solutions for addressing pollution (polluted sediments and water, etc.) Detection, monitoring and removal of pollutants such as oil (in harbours or coastal waters) 	 Topics Quantification of the ecological impact of offshore activities (ecosystem approach) Local solutions to acidification, warming and CO2 Reduction of noise pollution during the construction of marine infrastructure & shipping
	val of (macro) waste he waste collected (intercluster) (cSBO)		DIOS	