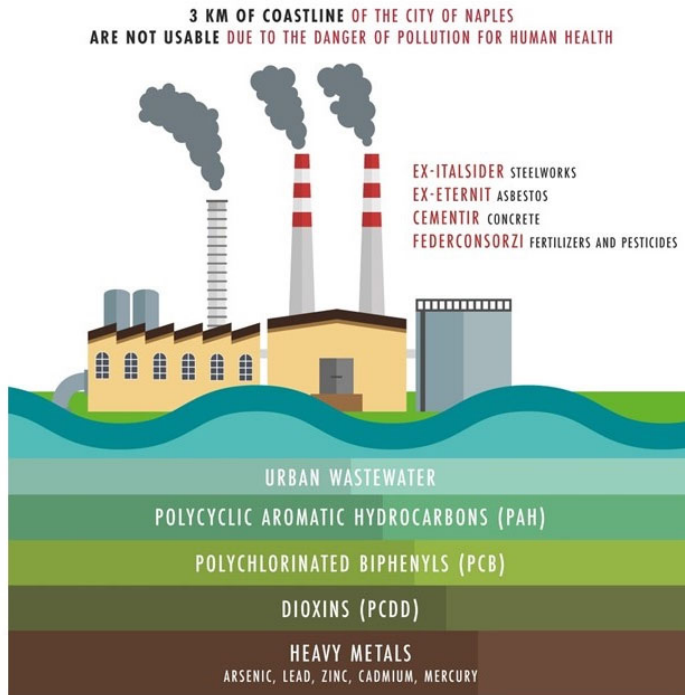


SEDREMED: Bioremediation of contaminated sediments in coastal areas of ex-industrial sites 2021-2024

LIFE SEDREMED project will demonstrate the efficient adaptation and combination of the 2 technological applications to develop a holistic strategy for the *in situ* decontamination of Bagnoli marine sediments polluted by hydrocarbons, heavy metals and other organic compounds.

Main activities: **SZN COORDINATOR** (Dr de Pascale D). Project coordination and management, sampling of polluted sediments, set-up of mesocosm experiments, support to monitoring and to on-field implementation activities



MONITORING	Hydrochemistry & Sedimentology ICP-MS, ICP-OES, AAS, GC-MS	Metabolite Analysis Specific Intermediates of Degradation	Compound-Specific Isotope Analysis Isotope Enrichment Isotope Fingerprint	GC-MS Fingerprinting Distillate Diagnostic Ratios
	qPCR Analysis DNA functional genes Community: Gene Abundance	BACTRAPs ¹³ C-Label: <i>in situ</i> Degradation Rates	Laboratory Assays ¹³ C-Label: Metabolization Rates	
	Bioassays Embryotoxicity Bioluminescence Growth Inhibition	BACI Approach Meio-/Macrofauna Biodiversity	Organic Matter Enzymatic Activities Carbon Footprint	