

MARINE LITTER IN THE DANUBE AND THE BLACK SEA REGION: CONCRETE PROPOSALS FROM THE REGIONS

THURSDAY 4 NOVEMBER 2021 | 11.00 - 13.30 (CET)



CLAIM

CLEANING LITTER
BY DEVELOPING AND
APPLYING INNOVATIVE METHODS
IN EUROPEAN SEAS

Innovative technologies and methods for waste cleaning, with emphasis on macro and microplastics, in the marine environment: the CLAIM project approach

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CO-ORGANISED BY:



CPMR
CRPM



CPMR BALKAN & BLACK
SEA COMMISSION



This project receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 774586.



Intergroup SEArice: Marine Litter in the Danube & the Black Sea region, 4/11/2021

CLAIM's Objectives

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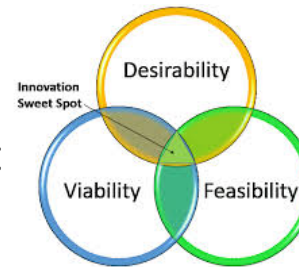
Advance our knowledge on the current status of marine plastic pollution



Fostering ecosystems: interventions to tackle marine litter issues and produce impact on human well being



Provide innovative technologies to reduce the amount and impact of plastic pollution



Test the economic feasibility, social acceptance, institutional framework



Set the basis for **operational forecasting** of the impacts of marine plastic litter pollution



Change policy and public perceptions and **provide advice** for management decision making

IN BRIEF – TECHNOLOGIES AND APPROACHES



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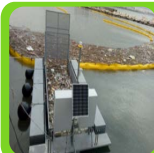
Technologies



WWTPs photocatalytic device



WWTPs pre-filtering device



River mouths Floating Barriers (CLEAN TRASH system)

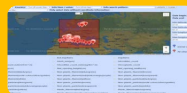


Harbour & Vessels small-scale Pyrolyser

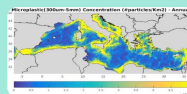


FerryBox flow-through filtering system

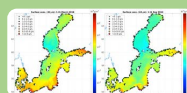
Knowledge / Forecasting tools & Methods



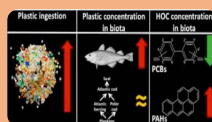
Database Macro/Micro marine plastic litter



Mediterranean (Saline & oligotrophic system) Macro/Micro plastic litter forecasting



Baltic (Brackish system heavily influenced by freshwater runoff) Macro/Micro plastic litter forecasting



Fostering ecosystem services



Cost-effectiveness analysis, Social acceptance, Business models, MCDA



Communication & Dissemination

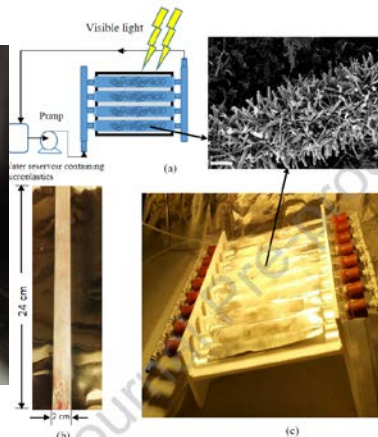


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Pre-filtering system and Photocatalytic device

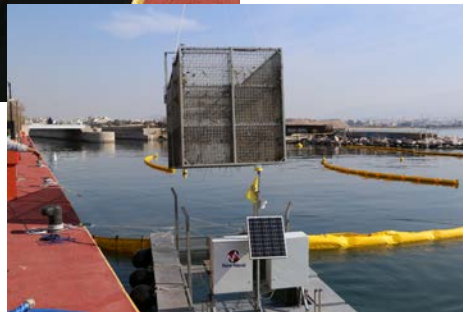


CLEAN TRASH

CLAIM's Litter Entrapping Autonomous Network Tactical Recovery Accumulation System Hellas



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CLEAN TRASH

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<https://www.claim-h2020project.eu/technologies/>

<https://www.claim-h2020project.eu/successful-installation-and-trial-of-claims-marine-litter-containment-floating-boom/>



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PYROLISER

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VESSEL



PORT

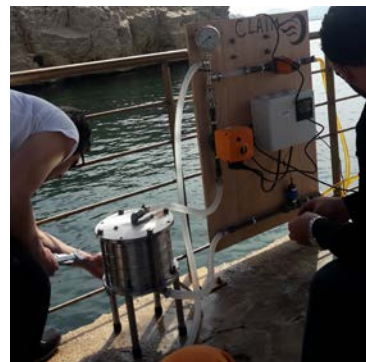
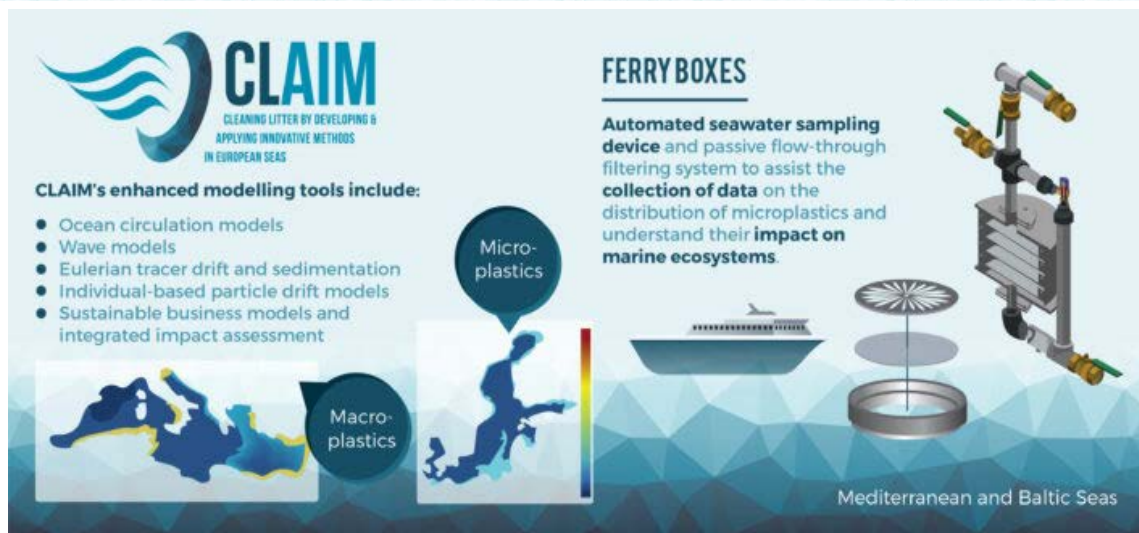


<https://www.claim-h2020project.eu/one-step-closer-to-battling-marine-plastic-litter/>

FerryBox automated seawater sampling device and passive flow-through filtering system



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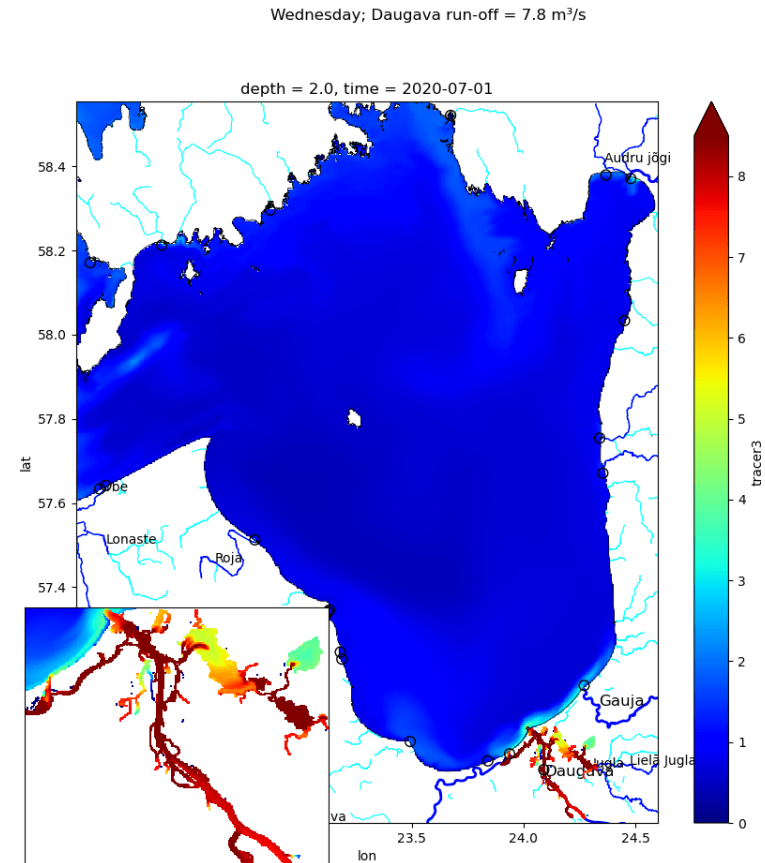
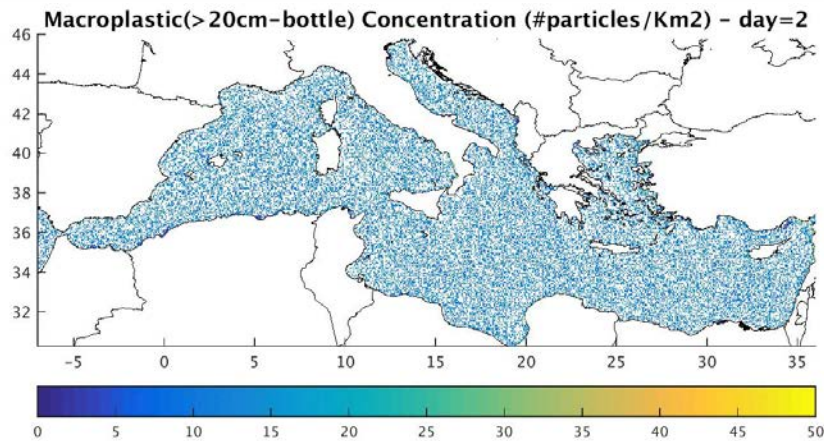
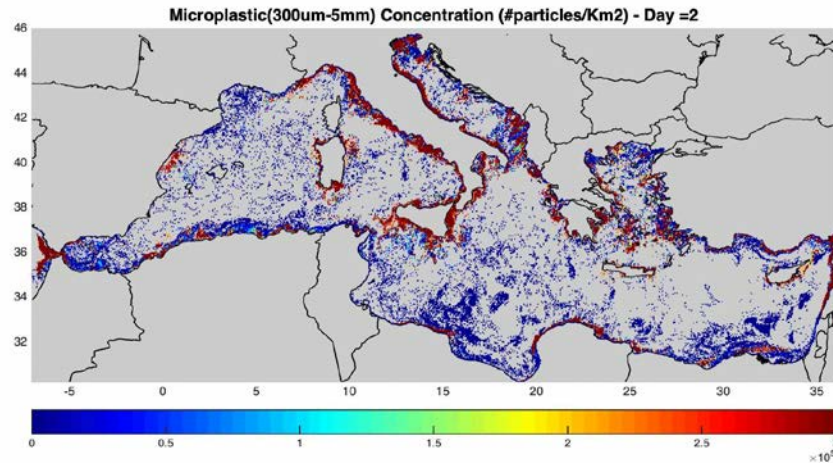
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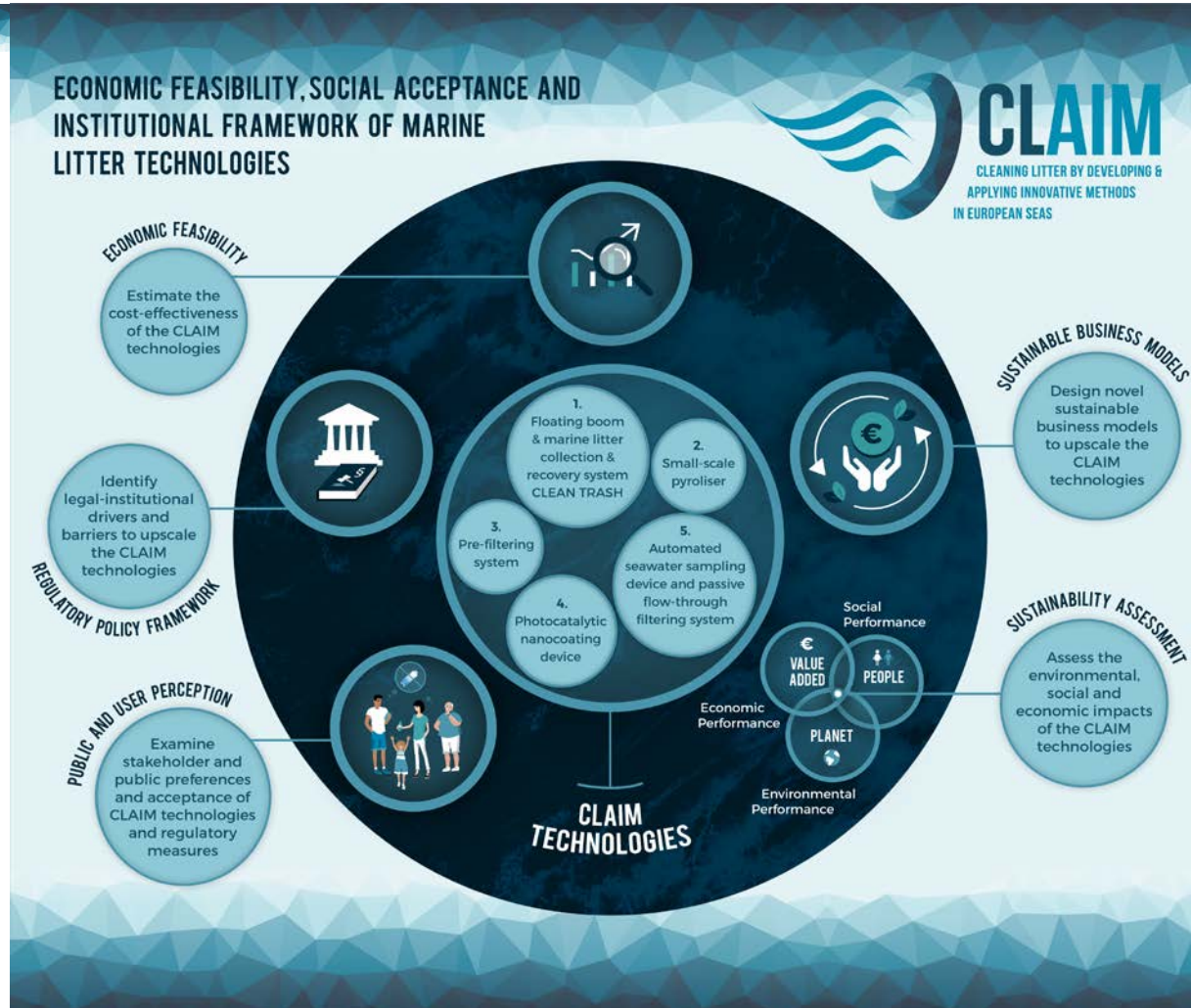
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Use of hydrodynamic – ecological models - Ecosystem approach

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Socioeconomics



 **Website:** www.CLAIM-H2020project.eu
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 **Twitter:** @CLAIM_H2020
 **Facebook:** @CLAIM.H2020
 **Instagram:** @claim.h2020
 **YouTube:** CLAIM H2020



THANK YOU

QUESTIONS?

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