

Preventive measures for averting the discarding of litter in the marine environment from the aquaculture industry



















STATE OF PLAY





Literature research



Aquaculture players



Existing tools

More specifically, AQUA-LIT was born out of a desire for action on two major factors: the staggering rapid increase of marine litter in the Ocean, and the boost of the aquaculture sector both at an EU level and worldwide. With the exponential expansion of the aquaculture sector we don't want an increase of marine debris.





General items

Used by multiple offshore sectors



Total: 31

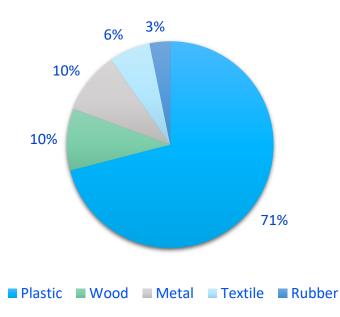
Plastic: 22

Wood: 3

• Metal: 3

Textile: 2

• Rubber: 1





Specific items

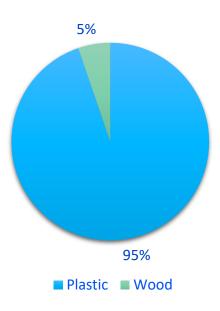
Uniquely linked to aquaculture activities



Total: 19

Plastic: 18

Wood: 1





Other potential items

Aquaculture items that are not reported in literature or databases

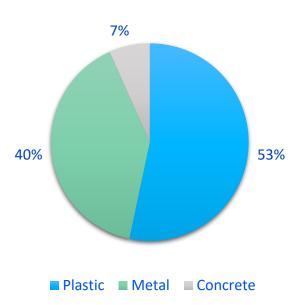


Total: 15

Plastic: 8

Metal: 6

Concrete: 1





Different materials

Wood, metal, concrete, textile, etc.









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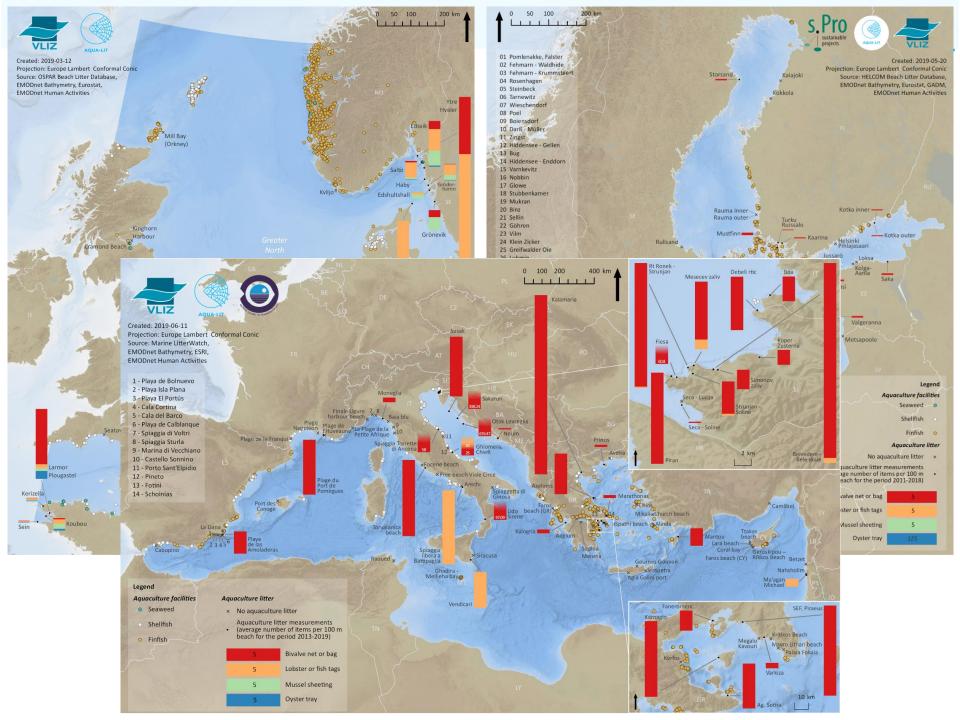
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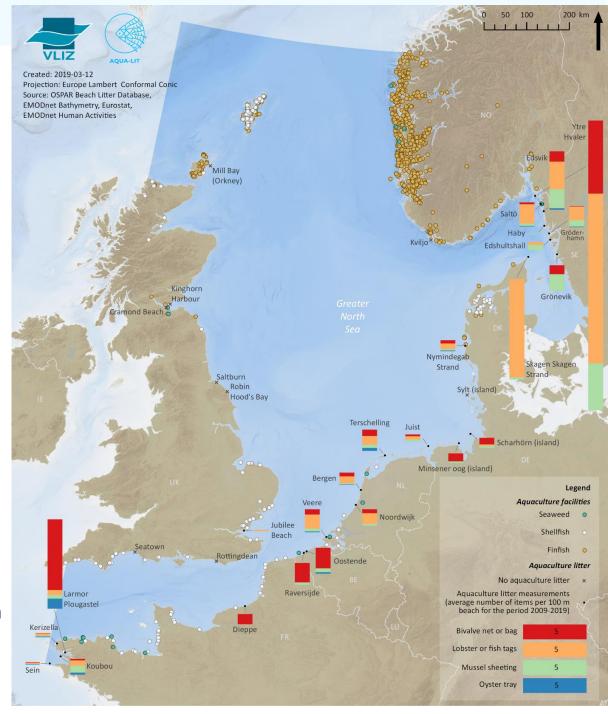
North Sea

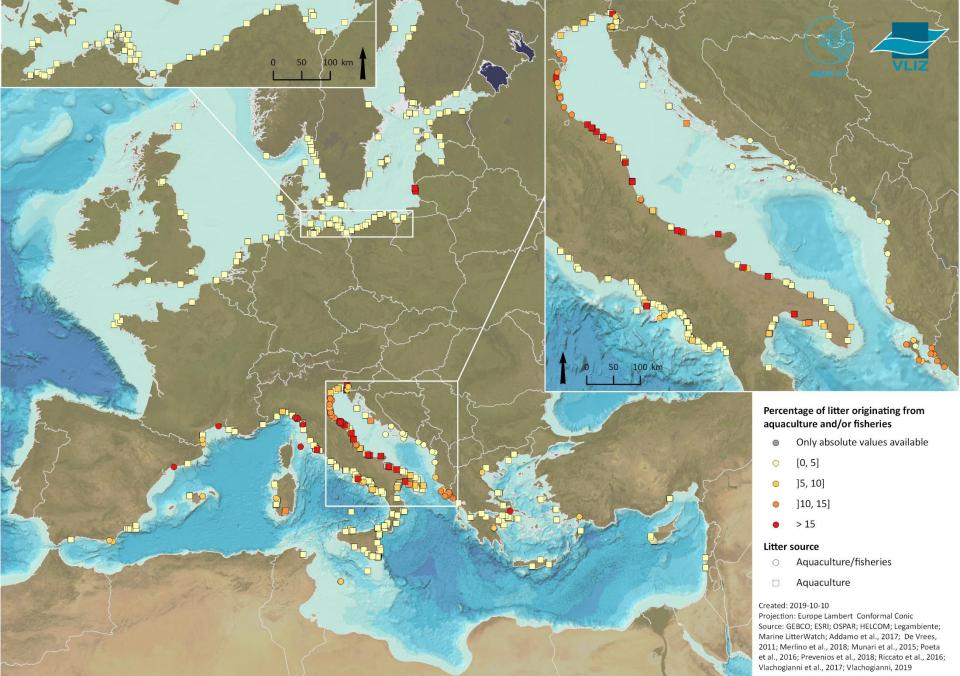
Aquaculture facilities

- EMODnet Human Activities Database
- Strong variation between Northern and Southern North Sea

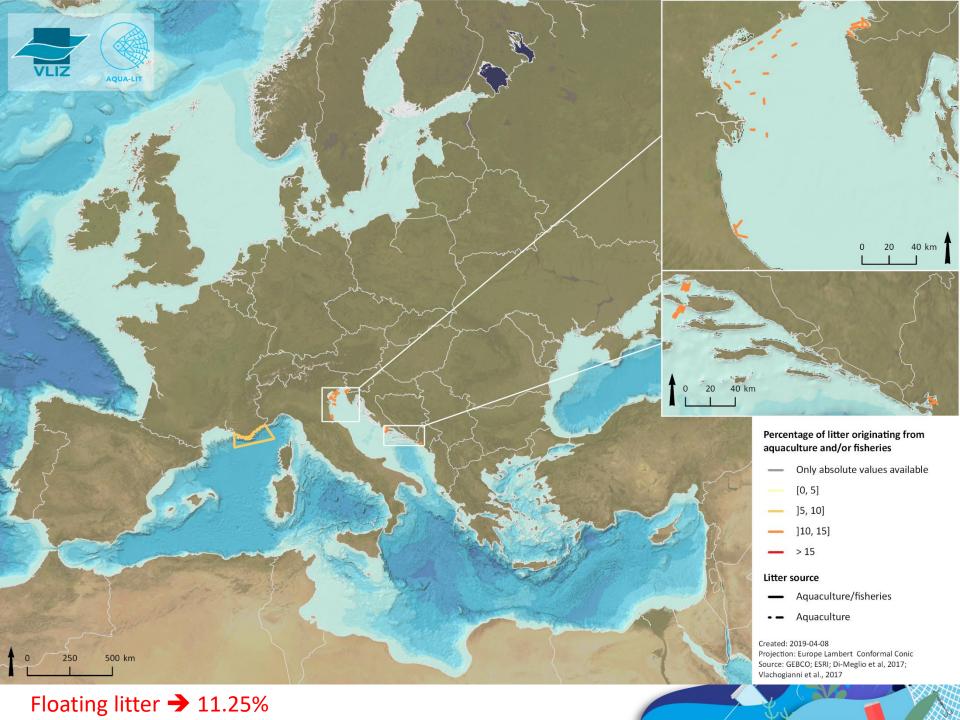
Aquaculture related litter

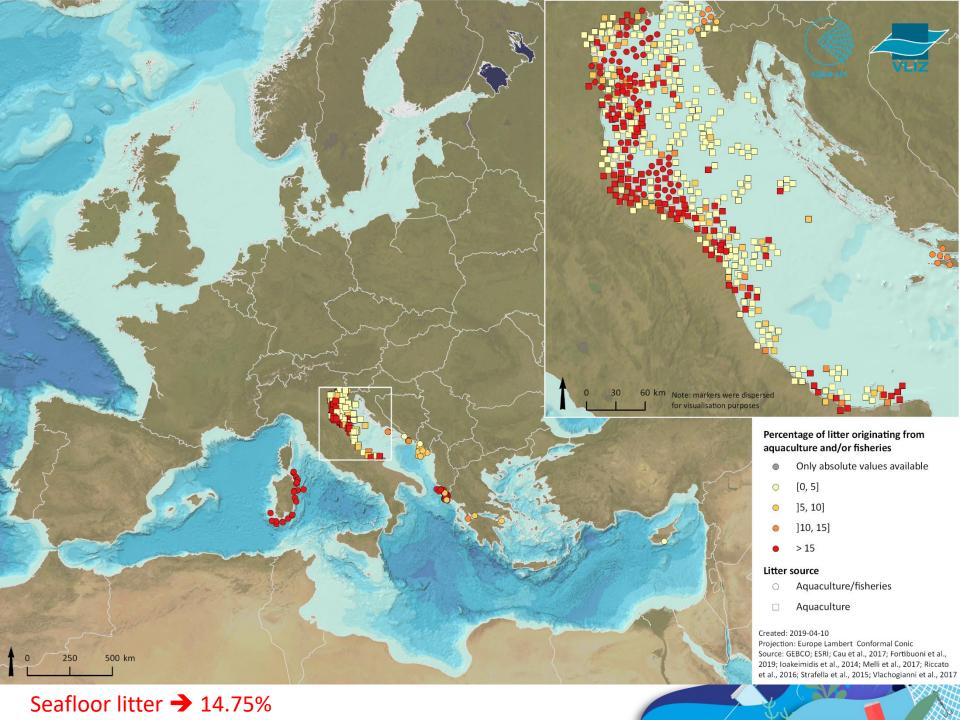
- OSPAR Beach Litter Database
- Distribution of performed surveys is high, but number is low
- Strong variation between Northern and Southern North Sea
- Shellfish facilities and debris are mainly found in the English Channel and Southern North Sea
- → Finfish facilities and debris are primarily located and recovered in the Northern North Sea, Skagerrak and Kattegat





Beach litter → 12.33%









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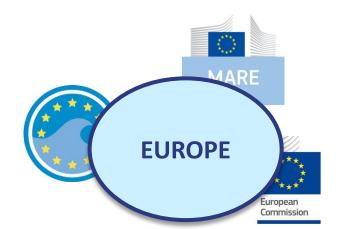
Available policy tools and measures





Overview of the global, regional, European and national action plans and documents that contain measures to reduce or avoid marine litter from the aquaculture sector









Examples



CleanSea – Summary of Marine Litter Policy Options

Use of alternative materials in aquaculture (e.g. cotton mussel socks).



OSPAR Commission – Marine Litter Regional Action Plan

Identify the options to address key waste items from the fishing industry and aquaculture, which could contribute to marine litter, including deposit schemes, voluntary agreements and extended producer responsibility.



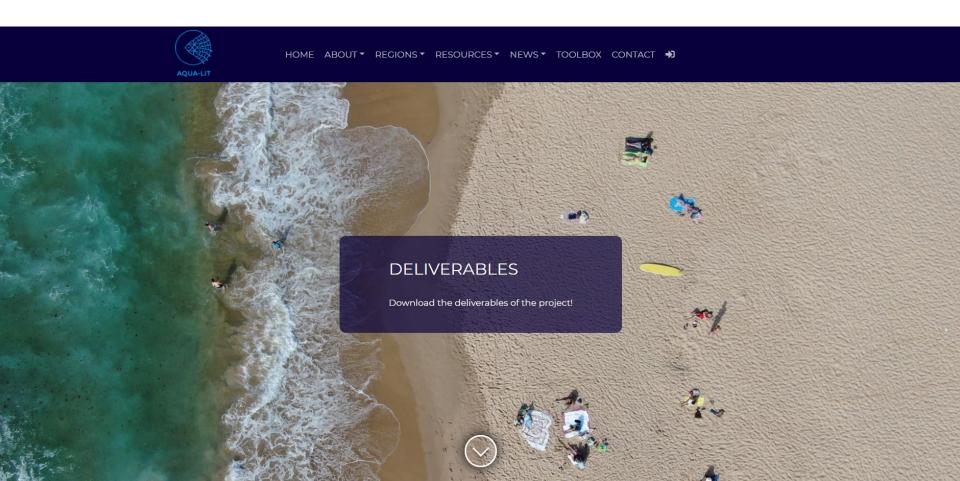
European Commission – DG Environment

Remove financial disincentives to bringing waste ashore including marine litter found at sea (litter retention). Port reception facilities play an important role and can be complemented with national recycling and disposal systems for items that require special processing such as nets and gear made from composite materials.



Deliverables available at www.aqua-lit.eu

- D2.2 Knowledge Wave on Marine Litter from Aquaculture Sources
- D2.3 Available Tools and Measures





THANK YOU!





This project has received funding from the European Union's EASME-EMFF funding programme under grant agreement EASME/EMFF/2017/1.2.1.12/S2/04/S12.78931