

# Topic: Marine Litter

## Project 1: Extended Producer Responsibility in the new SUP Directive

- project for the  
Federal Environment Agency -

Berlin, 7 Nov. 2019

# EPR in the SUP Directive

from June 2019

Directive on the reduction of the impact of certain plastic products on the environment

Demands ambitious and sustained reduction in consumption of (Art. 4)

Cups for beverages, food containers

Requires caps/lids attached to (Art. 6)

Beverage containers, composite beverage packaging

Requires marking for (Art. 7)

Sanitary towels, wet wipes, tobacco products, cups for beverages

Requires separate collection for (Art. 9)

Beverage bottles (using Deposit-Refund-Systems or separate collection targets for EPR schemes)

Often littered, environmentally damaging

Alternative materials partly available/researched

Prohibits placing on market of (Art. 5)

Cotton bud sticks, cutlery, plates, straws, beverage stirrers, balloon sticks, expanded polystyrene food containers, beverage containers and cups; products made from oxo-degradable plastic

Often littered, very environmentally damaging

Alternative materials well available/researched

Ensures that EPR schemes are established for (Art. 8)

Food containers, packets and wrappers, beverage containers and cups, lightweight plastic carriers bags, wet wipes, balloons, tobacco products with filters and fishing gear

Requires awareness raising on availability of reusable alternatives, impact of inappropriate waste disposal on environment and the sewer network for (Art. 10)

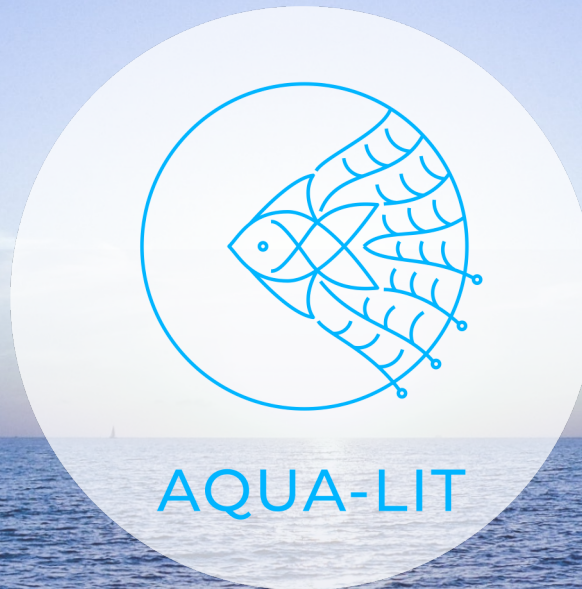
Often littered, environmentally damaging

Alternative materials partly available/researched

# Content

- How is the Extended-Producer-Responsibility (EPR) tackled in the new Single-Use-Plastics Directive?
- EPR measures for specific product groups/fishing gear
- Focus on measures:  
Littering/insurance fund

Duration:  
March-Nov 2019



AQUA-LIT

EASME-EMFF funded project

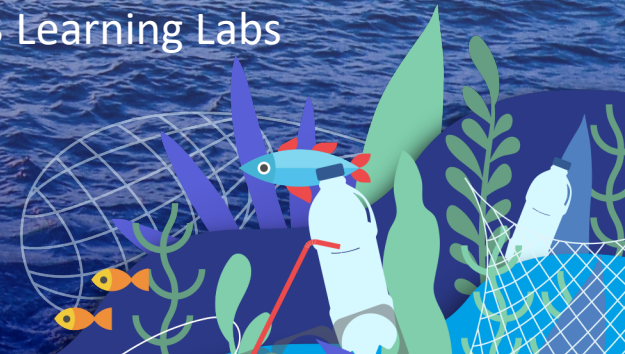
Duration: 01/01/2019 –

31/12/2020

7 partners from 6 different  
countries

3 Learning Labs

## Project 2: overview

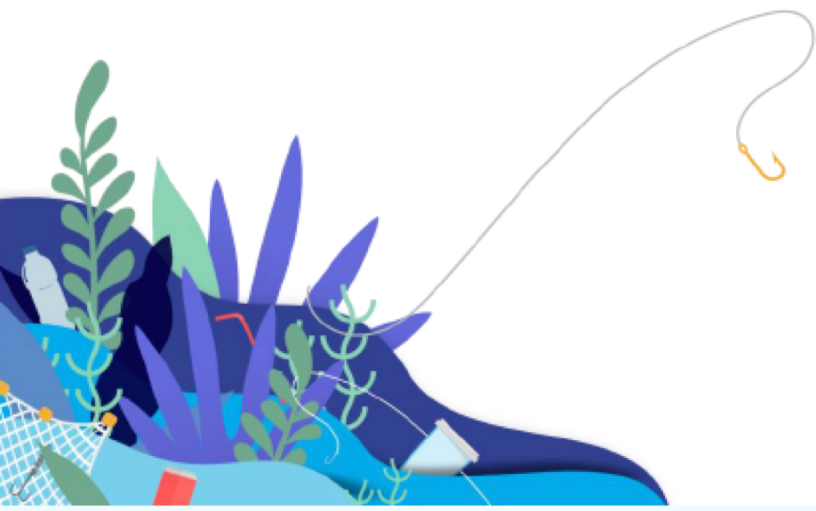


*Preventive measures for averting the discarding of litter in the marine environment from the aquaculture industry*

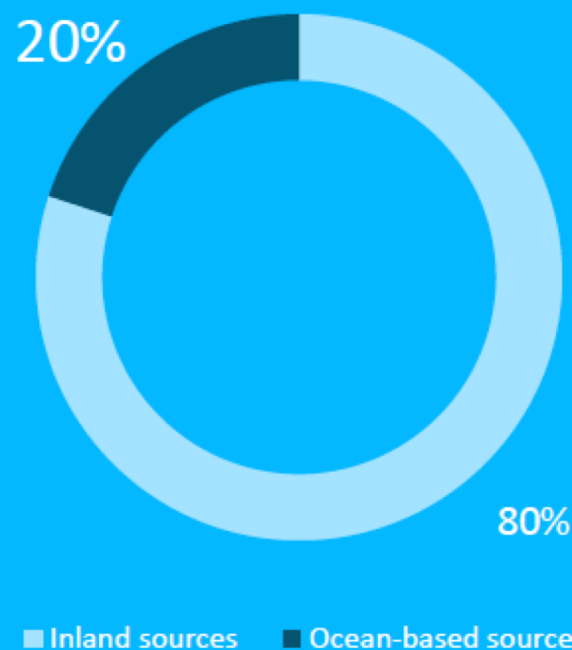


# Why AQUA-LIT?

- Marine litter is an **increasingly complex and global problem** that causes environmental, economic and social impacts.



- Plastics account for most of debris in the Ocean and 20% of these come from ocean based sources, **mainly from fishing and aquaculture activities.**





# AQUA-LIT OUTPUTS

**WP2 State of Play findings (stakeholder mapping, best practice, questionnaire...)**



**WP 3 Learning Labs – Co-designing & testing tools**



**WP4 Toolbox for Integrated Approaches**



**WP5 Scaling up the Tide – Tool Implementation**





# Knowledge wave on marine litter from aquaculture sources

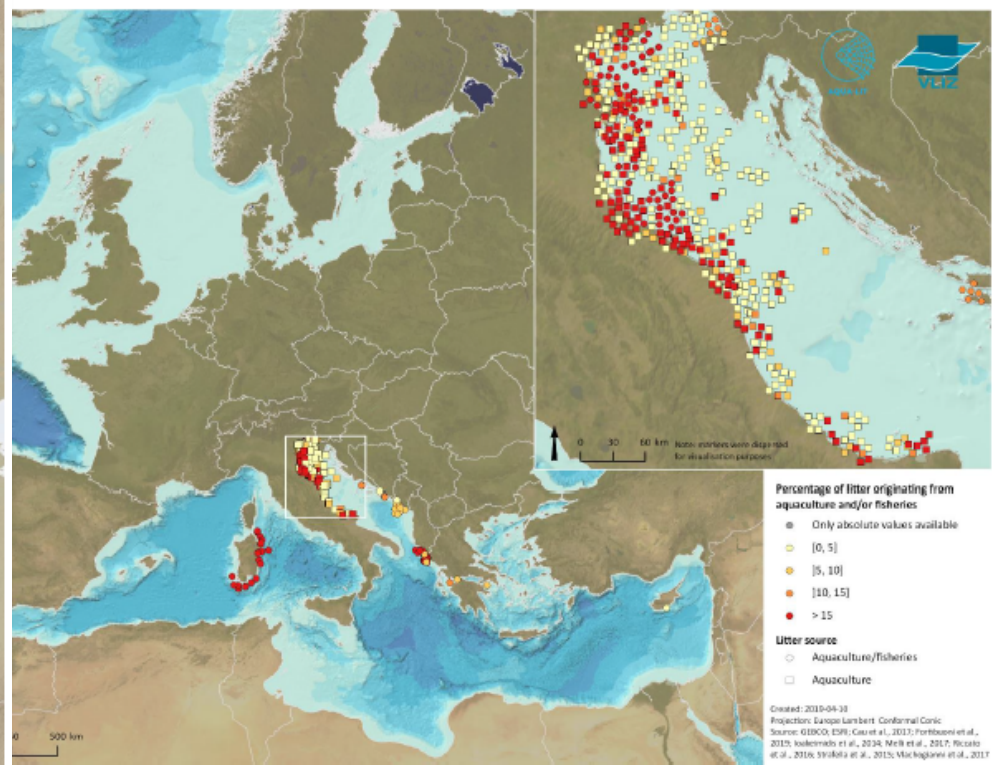
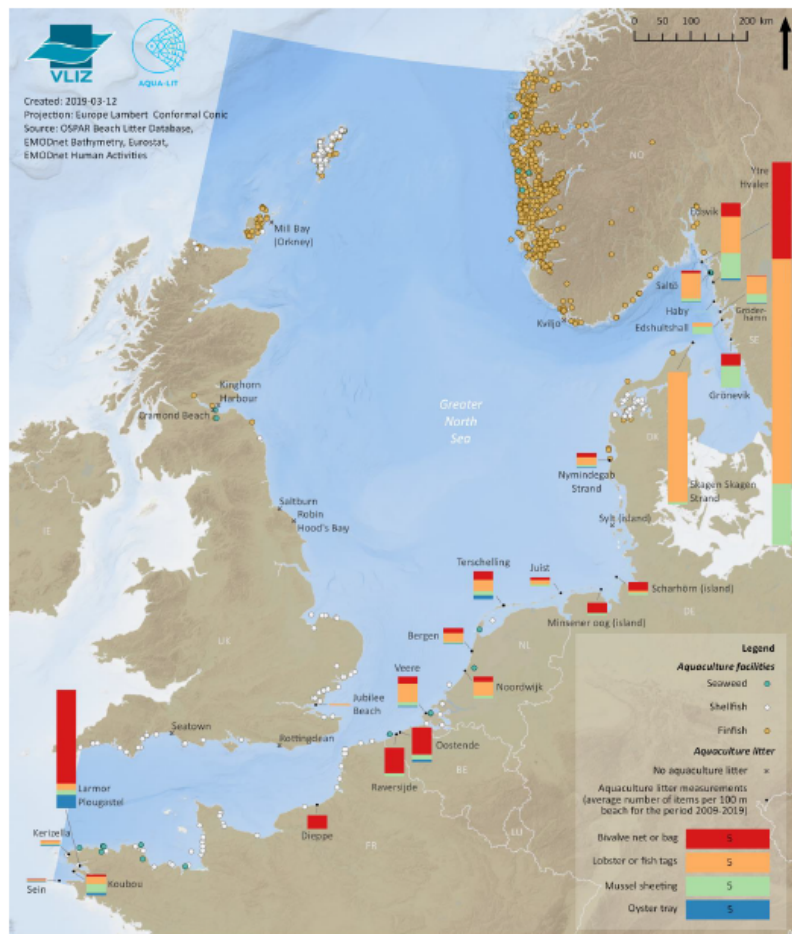


Figure 8: Distribution of aquaculture facilities and aquaculture related beach litter in the Greater North Sea basin (Source: OSPAR Beach Litter Database via Francis Kerckhof, RBINS and EMODnet Human Activities).



# Knowledge wave on marine litter from aquaculture sources

No.	Item type	Item	Description	Material	Aquaculture species	Aquaculture type	Source	Picture
GENERAL ITEMS								
A01	Ropes	Synthetic ropes	Synthetic ropes (mainly made of polysteel which is a blend of PP and PE, which has a 25 percent higher tensile strength than PP. Although, polyester and PA can be used, they are more expensive and more elastic than polysteel)	Plastic	n.a.	n.a.	<a href="#">Lusher et al., 2017</a> and <a href="#">Stachowitsch, 2019</a>	
A02	Ropes	Other ropes	Other ropes (natural products)	Natural	n.a.	n.a.	<a href="#">OSPAR beach litter guidelines nr 31</a>	
						n.a.	<a href="#">OSPAR beach litter guidelines nr 32, 115 &amp; 116</a>	
						n.a.	<a href="#">OSPAR beach litter guidelines nr 33</a>	

## MARINE LITTER INVENTORY

### [PLASTIC]

The item inventory is a solid knowledge base on marine litter from aquaculture activities which is divided into general [A], specific [B] and other potential [C] items. Each item is characterized by an identification



AQUA-LIT

### Synthetic ropes [A01]

Item type  
**Ropes**

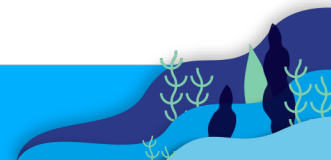
Material  
**Plastic**



#### Description:

Synthetic ropes (mainly made of polysteel which is a blend of PP and PE, which has a 25 percent higher tensile strength than PP. Although, polyester and PA can be used, they are more expensive and more elastic than polysteel)

Source: [Lusher et al., 2017](#) and [Stachowitsch, 2019](#)



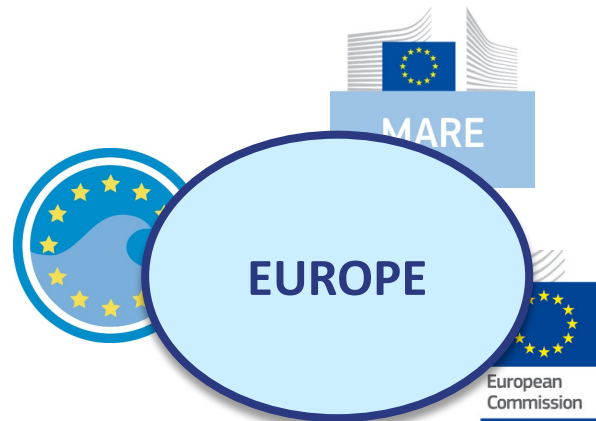




# Available policy tools and measures



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



# Three Learning Labs

(Oct.-Nov. 2019)

IEO & EurOcean

VLIZ

s.Pro



# ROUND TABLES – How to generate solutions



Identification

- Identify existing measures/ best practice & tools

Identification

- Suggest new ones

Evaluation

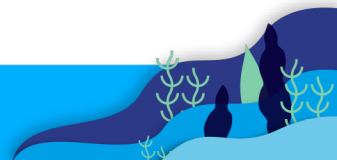
- Assess effectiveness (impacts, benefits & barriers)

Adaptation/C  
o-design

- Select the most efficient ones and adapt them to overcome barriers

Implement-  
ation

- Propose implementation plan





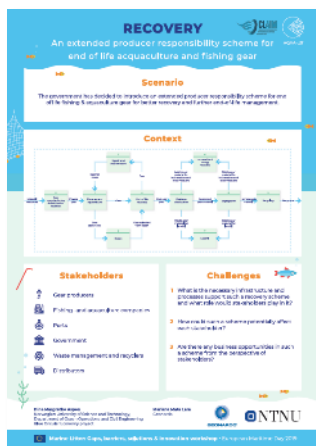
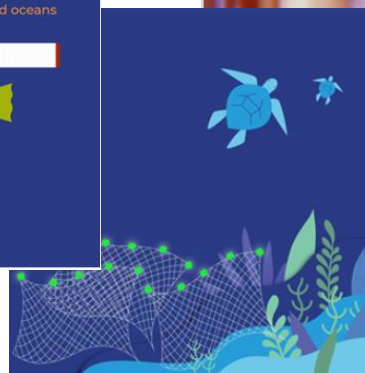
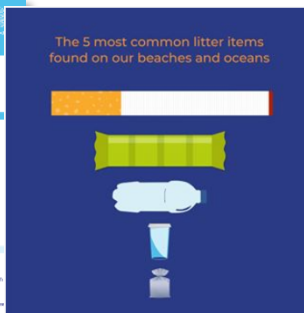
# Events







# Dissemination materials



# THANK YOU!

Susanne Altvater  
s.Pro

[www.aqua-lit.eu](http://www.aqua-lit.eu)



## Questions:

- Are you working on similar topics?
- Which ML topics are most interesting for you?
  - > macro- or microlitter?
  - > basic research, governance..
- Do you see opportunities to collaborate on projects to support, e.g. the HELCOM Action Plan on Marine Litter?



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

# H2020 - opportunities

Call	Sta- ges	Deadline(s)	Type of Pro- gramme	Budget	Interest/ Capabili- ties?
CE-SC5-30-2020: Plastics in the environment	2	<ul style="list-style-type: none"> <li>13 Feb 2020</li> <li>3 Sept 2020</li> </ul>	RIA	5 Mio.	
CE-FNR-09-2020: Pilot action for the removal of marine plastics and litter	1	<ul style="list-style-type: none"> <li>22 Jan 2020</li> </ul>	IA	12 Mio.	
CE-SC5-25-2020: Transition to Circular Economy	2	<ul style="list-style-type: none"> <li>13 Feb 2020</li> <li>3 Sept 2020</li> </ul>	RIA	10 Mio.	
LC-CLA-13-2020: Climate resilience in EU coastal cities	2	<ul style="list-style-type: none"> <li>13 Feb 2020</li> <li>3 Sept 2020</li> </ul>	RIA	10 Mio.	