

AQUA-LIT

LEARNING LAB objectives and outcome

Flanders Marine Institute (VLIZ), Fien De Raedemaecker Ostend, 26 November 2019

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













LL OBJECTIVES

- Federate stakeholder communities and engage them in preventing, reducing, monitoring, quantifying, removing and recycling aquaculture litter discard in the marine environment
- Facilitate the adoption of successful, existing solutions through capacity building
- Explore potential innovative solutions to marine litter reduction, removal and recycling
- Improve the understanding of stakeholders' needs to maximise the project impact



LL & OTHER 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 How can the aquaculture sector contribute to the reducing marine litter?

LL TARGET AUDIENCE

Number of participants : 10-15

- Aquaculture farmers (fish, shellfish, seaweed)
- Equipment manufacturers (e.g. of aquaculture material & gear)
- Engineering, system design and construction companies
- Academic research groups
- Professional clusters, associations and platform representatives
- NGOs
- Governance (incl. policy makers & implementers, and port staff)
- Classification and certification bodies
- Companies processing waste (incl. waste recycling and incineration)
- Communicators (media, press, science communicators)





LL COMMON TIMELINE

	Welcome of participants, presentation of the agenda of the day and a short ice breaking activity
09:00-10:00	Plenary session - General introduction of the AQUA-LIT project, the objectives of the Learning Lab and expected outcomes, screening of the AQUA-LIT video
10:00-12:00	 Round Tables - A short introduction to every round table with a focus on the specific stage and specified questions. Roundtables: 1. Prevention & reduction of aquaculture litter 2. Monitoring & quantification of aquaculture litter 3. Recycling & removal of aquaculture litter
10:45-11:00	Coffee break
12:00-12:30	 Plenary Summary session Presentation of results by facilitators Rank your answers in the large timeline poster / discussion Conclusion and closing remarks



ROUND TABLES - How to generate solutions





Knowledge Sharing

Prevention & Reduction



- What are the barriers to preventing and reducing the loss, damage or discard of gear and other equipment?
- What are possible technological innovative solutions, business models and (policy) measures?

Monitoring & Quantification



- What are the monitoring systems for non-organic waste quantification that you have applied or know of?
- What monitoring measures and schemes should be introduced, improved or enforced to encourage and empower stakeholder to tackle the issue efficiently?

Removal & Recycling



- What are the barriers to removal and recycling of gear and other equipment that is damaged, discarded or lost?
- What are innovative solutions and business models that can be used to remove or recycle lost gear and equipment



Prevention & Reduction

Eco-design guidelines:

Assessment following a matrix

- Use of material: regulation and banning; certification and cooperation along value chains
- Sustainable procurement
- Producer responsibility: Pricing signals; environmental criminal law & prosecution
- New technological approaches (e.g. RAS)
- Developments in engineering



Monitoring & Quantification

- Discuss existing, upcoming and potential monitoring & quantifying solutions
- Integrate WP2 findings
- Identify typical aquaculture types with related waste (inputs from WP2, Task .2.1)
- Structure monitoring & quantifying approach depending on: type of litter – farm location – type of aquaculture
- Collect adequate tools
- Test monitoring approaches (following validation process)



Removal & Recycling

- Identify & assess practices that improve waste management (waste reception facilities, recycling fishing nets...), removal systems, quality assurance scheme, deposit schemes, pricing signals (taxation); ecological or economical driven cases?
- Test a recycling system which extends producer responsibility & foresees recycling of returned or lost aquaculture gear
- Take into account new legislation related to Art. 8 and Annex E (COM 2018) 340 final

VALIDATION IN LL

Test & validate tools

In parallel to WP4



Conduct a scenario analysis - Evaluate costs & benefits of the implementation of candidate tools **Refine & select final tools** for implementation Evaluate the process, challenges & opportunities Plan implementation, set timelines & metrics to

measure success

Implement tools (WP5)



THANK YOU!





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