



ESTET

**EMBEDDING SUSTAINABILITY SKILLS IN TOURISM
EDUCATION AND TRAINING**

Project No. : 2020-1-PL01-KA202-081845

THEME ALLOCATED:	Green Skills for the Economy
PARTNER ORGANISATION:	ALBEA
TITLE OF THE WEBQUEST:	Make more with less
INTRODUCTION:	
<p>Solid waste generation is considered being one of the most relevant environmental aspects related to tourism activities. Managing waste in an environmentally sound manner and making use of the secondary materials they contain are crucial to contribute to the circular economy.</p> <p>Recycling is the process of collecting and processing materials that would otherwise be thrown away and turning them into new products. Onsite recycling means recycling operations where the processing of recyclable materials occurs on the same site or under the same ownership from where the recyclable materials are generated.</p> <p>Implementing a successful recycling and onsite recycling programme in any tourism facility requires engaged management to coordinate technical and human resource requirements and addressing the skills need and the necessary staff training and time allocation.</p> <p>The paradigm and belief shift of any tourism facility towards a focus on sustainability and in particular waste management by enhancing onsite recycling could also provide new business opportunities with the increasingly environmentally conscious customers as well as raising awareness with all tourism users.</p>	
TASKS	
<p>You are the environmental manager of a Marina with an important recreational boating community. Although the sustainability standards the Marina has implemented, the significant trend of the recreational boating sector and the close to full capacity in summer, pose a serious threat to the marine and the coastal ecosystem. Recreational boating as well as cruising can generate impacts on the marine environment and society at sea, during navigation and on land when ships and boats are stationary in ports or marinas and tourist disembark to visit coastal cities.</p> <p>You are planning to upscale the waste roadmap by introducing new bold solutions based on onsite recycling.</p> <p>In this WebQuest – Make more with less [Advanced Level], you are going to be guided through a series of tasks that will help you to learn about the waste impacts of the recreational boating and coastal tourism and the different possibilities to manage it by recycling. You could complete the tasks in small groups of 2-3 people. When you complete the tasks, you will have a more clear picture about the impacts, the solutions and how to implement them at the marinas.</p> <p>Let's get started!</p>	
PROCESS	
<p>Step 1: What are the main impacts of the recreational boating sector and coastal tourism?</p> <p>Leisure boating is an important economic activity which is increasing in popularity worldwide, and the Mediterranean Sea is one of the most popular nautical tourism destinations in the world. There is an urgent need to raise awareness of the potential impacts of leisure boating in coastal environments. See the major impacts of this leisure activity:</p>	

[Leisure boating and its impacts](#)

[Circular Economy in the boating industry](#)

[Assessment of the impact of business development improvements around nautical tourism](#)

Step 2: What solutions could be applied to reduce and recycle waste from the recreational boating sector and coastal tourism onsite?

Wastewater discharge from cruising and recreational boating, plastic pollution and end-of-life boats among other effects are posing additional challenges for the coastal tourism sector, calling for viable solutions for their management. See different recycling solutions developed in the sector:

[Northern Light Composites – Sustainable Composites](#)

[Bathô - Manufacturer of unusual accommodation](#)

[Nylo® 100% recycled plastic from fishing nets](#)

[Recycling plastics from the oceans with 3D printing](#)

Step 3: What factors are necessary to ensure the successful introduction of onsite recycling waste solutions?

Several factors are key to ensure an effective introduction of solutions that such as investing in awareness-raising, encouraging an innovation ecosystem and building capacity amongst different actors aiming to facilitate and accept all transformations.

See how these factors could be managed:

[Awareness-raising at the recreational boating sector](#)

[Promoting innovation at Boat Shows](#)

[Capacity building strategies](#)

Step 4: Promoting a multi-level governance approach

The recreation boating sector involve multiple interrelationships among several types of actors. However, there is a general lack of cooperation and common understanding among all of them. Thus, governance – is centrally important and can determine the type of progress made.

[A Guide to Multi-level Governance](#)

[Multi-level governance agenda for blue economy](#)

[Chapter 8. Governance in State of the environment and development in the Mediterranean](#)

Step 5: Upgrading and updating the waste roadmap

To effectively develop and/or upgrade and update a waste strategy it is crucial to understand the potential pollution sources at the marina, the physical characteristics of the marina and regulatory framework and the needs and interest of the whole community.

See some examples of strategies and guidelines about waste strategies:

[Sustainable Guide for Marina Owners and Operators](#)

[Waste Management and Recycling | Clean Marina Resource Guide](#)

EVALUATION

Waste generated by the recreational boating can be treated and recycle onsite from a circular economy approach generating multiple environmental, economic and social benefits.

Based on the steps followed to properly understand the impacts of this growing sector and the different solutions that could be implemented, you could prepare a reasoned proposal with the main arguments on why and how to upgrade and upscale the waste programme of a Marina based on onsite recycling (approximately 250-300 words). The following criteria could guide your exercise:

- How do you think introducing onsite recycling measures contribute to a more sustainable tourism?
- How could these measures be feasibly introduced? What support and involvement are needed (from which actors)?
- How do you think this transformation could be easily accepted?

CONCLUSION

The sustainable vision of recreational boating as an important component of the coastal tourism strongly relies on research and innovation, awareness-raising and education, sustainable behaviour (by tourists, operators, citizens, decisions-makers), improved dialogue between key stakeholders, stronger integrated governance promoting the involvement of local communities and local authorities.

Recreational boating should be regulated, organised and managed such that their impacts on the environmental quality and biodiversity caused by the waste produced are avoided, minimised or compensated for. Recycling and in particular onsite recycling is a clear option to meet this challenge.

Let's promote onsite recycling whenever is possible generating new opportunities towards a sustainable tourism.

