



# ESTET

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

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

<b>THEME ALLOCATED:</b>	Green Skills for the Economy
<b>PARTNER ORGANISATION:</b>	ALBEA
<b>TITLE OF THE WEBQUEST:</b>	From raw materials to new material products
<b>INTRODUCTION:</b>	
<p>Promoting recycling in tourism accommodations is crucial to reach the sustainability of the sector. According to the report <i>Best Environmental Management Practice in the Tourism Sector</i><sup>1</sup> by the European Commission, tourism is responsible for a small share of waste generation within Europe, contributing towards the 6.7% of total waste generation that arises from the wider services sector in the EU27.</p> <p>The amount waste produced could be reduced by recycling following the fundamentals of the circular economy. Using recovered material generates less solid waste. Recycling helps to reduce the pollution caused by the extraction and processing of virgin materials. <b>Onsite recycling</b> 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>There are several type of practices in the overall waste management strategy for tourist establishments:</p> <ul style="list-style-type: none"> <li>▪ Onsite composting activities at the point of waste generation</li> <li>▪ Onsite wastewater treatment</li> </ul>	
<b>TASKS</b>	
<p>You are the environmental manager of a small sized hotel, and your objective is to reduce your hotel's waste. You need to know the how many and what type of waste your hotel is producing. The best place to start is to develop an inventory of the types and sources of onsite waste generation of your hotel. Overall, in hotel the biggest part has been produced by Housekeeping and Catering.</p> <p>This inventory will contribute to the decision-making process for the implementation of onsite measures to reduce the waste generation and recycle when possible.</p> <p>In this WebQuest – From raw materials to new material products [Basic Level], you are going to be guided through a series of tasks that will help you to learn about the onsite waste generation 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 different solutions that could be applied in the tourism facilities.</p> <p>Let's get started!</p>	

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<sup>1</sup> [BEMP-6-FINAL.pdf \(europa.eu\)](http://BEMP-6-FINAL.pdf (europa.eu))

## PROCESS

### Step 1: What and how much waste we are producing?

The first step in waste prevention and management in accommodation is to generate an inventory of the types and sources of on-site waste generation. Waste generated by accommodation is diverse, with a similar composition to household waste, but varies somewhat depending on the services offered (i.e hotels with restaurants have a higher share of organic waste).

List the types and quantity of waste is generated in your hotel associated to the service offered:

[Best environmental management practices in the tourism sector](#) (check table 6.1: Typical waste constituents from different types of hotel)

[Hotel Waste Management - Hotel Waste Disposal](#)

### Step 2: Recycling collection, sorting all waste

Waste sorting partly depends on the waste collections services available in the tourist facility. Poor sorting equipment means the residual waste is the dominant fraction.

List the onsite recycling waste sorting systems you could use:

[Waste sorting in hotels](#)

[Best environmental management practices in campsites](#)

### Step 3: Influencing the tourists' recycling behaviour

The success of implementing measures to reduce waste is directly influenced by the tourists' recycling behaviour. Check the barriers of tourist recycling behaviour at a destination and the measures you could implement:

[Environmental guest's education](#)

[Barriers to recycling at destination](#)

## EVALUATION

1. The onsite recycling means.... Choose the correct answer:
  - a. Recycling on the same site the waste materials are generated.
  - b. Develop a process to sort all waste for collection.
  - c. Treating and transforming waste where it is generated so as to minimize the nuisance associated with transporting it to off-site facilities.
2. Can you start to reduce your hotel's waste without knowing how much and what type they are?
  - a. Yes
  - b. No
3. A high degree of sorting allows a better waste classification in any tourism accommodation facilitating the recycling. Is this statement true or false?
  - a. True
  - b. False

## **CONCLUSION**

Understanding how many and what type of wastes a tourist facility is able to produce is key to envisage the introduction of practical and educational onsite measures. Indeed, implementing waste collection systems facilitate the management of waste onsite.

Therefore, the starting point to implement waste strategies is to have the information about the waste generated, and accordingly the possibilities of reducing, reusing, and recycling.

Let's give to know and spread the possibilities offered by the onsite recycling which contribute toward achieving a sustainable tourism!



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