



EWWR good practices and case studies

1. Details of Action:

EWWR Organiser: Agência Portuguesa do Ambiente
Country/Region: Portugal
Name of nominated project developer: MOTA-ENGIL (Subconcessão Douro Interior)
Name of nominated action: Composting - "Building" Sustainability (Compostagem - "Construir" Sustentabilidade)
Place: Estaleiro Temporário de apoio à obra (Freguesia da Trindade)
Town: Trindade - Vila Flor
Region: Bragança
Country: Portugal
Year: 2009

2. Select the correct participant category:

- Administration/public authority
- Association/NGO
- Business/Industry
- Educational establishment
- Other (e.g. hospital, retirement home, cultural centre, etc.)

3. Please select the theme(s) highlighted in the action:

- Too Much Waste
- Better Consumption
- Better Production
- A Life for Products
- Less Waste thrown Away

4. Type of Action

- Action open to general public
- Action open to target group
- Action based on the production of communication tools
- Other, please specify:

5. Please indicate the date(s) of the action:

- 21st November
- 22nd November
- 23rd November
- 24th November
- 25th November
- 26th November
- 27th November
- 28th November
- 29th November



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6. Please give a detailed and precise description of the nominated action:

It was promoted the concept of composting in managing a construction site. The compost was used in the fertilization of the planted native tree specimen in the working shipyard.

In the productive process – deforestation, the action developpers reused the biomass, this resulting in the improvement of black soils and dumps, carried out as follows: the green matter like branches and foliage, is involved in the black soils and reused on the roof slope and tips. Reuse of blocks (tree roots), in the dumps, promoting in the medium-term the availability of nutrients to tree species.

This action project will last for two years, which is the time until the end of this construction, period during which the project developer intends to achieve the following general objectives:

- Promote the sustainable management of timber, resulting from the process of deforestation.
- Promote a reduction in the treated waste, resulting from the urban construction site.
- Raising awareness among employees to the cycle of waste management, including: waste generation - use - use as raw material.

7. Please describe the originality of the action:

The action is original and innovative as it enters composting as a solution in reducing waste in the construction activity. With this contribution the project developer intended to reduce the stigma underlying the construction business, as an activity causing negative impacts and generating waste, and drawing attention for the waste production in the Work, not only Construction and Demolition Waste, which may also have significant impacts in the environment. In managing the construction shipyard, they promoted the concept of composting, since there was a canteen with an average occupancy of 250 people.

The promotion of composting on site is a twofold improvement:

- Reduction of waste treated as urban, thus contributing to the achievement of strategic objectives defined in the "Waste Prevention Program (PPRU) - 2009".
- Environmental awareness, promoting the participation of all employees in the implementation and monitoring of Composting, by inserting the term "Our House - our Shipyard". The compost will be used in the fertilization of the native specimen tree planted for this purpose in Shipyard.

In the production process - deforestation, it will be reused the resulting biomass in the improvement of black soils and dumps, carried out as follows: the green matter such as branches and foliage is involved in the black soils and consequently temporarily stored in pargas for later use on the roof slope and tips. This green material shrouded in black soil is intended to provide a nutritional and natural enrichment, making the process of fixing plant species easier during the landscape recovery, due to the immediate availability of nutrients. The reuse of logs (tree roots) in the dumps aims to promote the availability of nutrients, but the medium term. These logs would be placed in the dumps, to a maximum height of 3m below the top of the dump. This green material, due to natural degradation promotes medium-term availability of nutrients to tree species.

8. Please describe the target audience and how the action motivated its public/target audience:

Professionals/employees (private sector) - construction workers.

Mobilization of the public was made from training programs and awareness among all employees; and by choosing the native plants specimens resulting of the proposals made by all staff involved.

9. Please indicate the number of people who participated in the action:

250

10. What lasting impact does the action propose to have in terms of commitment to waste reduction?



The environmental impact was achieved by promoting the reduction of waste to landfill.
The economic impact was accomplished by reducing the costs associated with the collection transport and final disposal (dump).
There was also an expected social impact, achieved by training and raising awareness for the preservation of the environment and the natural resources.

11. Explain how this action may be replicated in other countries/regions throughout Europe:

This action can be replicated in any countries/regions throughout Europe, needing only to establish the necessary procedure and defining the sorting and sizing of SUW composter.



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