

Reference: C.2 – C.2.1 – 6 – CC MPM



Rehabilitation of the inter-communal recycling center of Collobrières

Strengthening and adaptation of equipment to improve waste rates (collection, sorting, and waste treatment on local level)

ACTORS AND TERRITORIES



CC MEDITERRANEE PORTE DES MAURES

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CONTEXT

Since 2008, the municipality of COLLOBRIERES has been committed to improving its waste collection service: completion of a diagnostic in 2008, preliminary study for the implementation of the incentive fee in 2011.

These studies have shown a strong potential for improvement: by optimizing the recycling center management, by reorganizing the collection method, and by capturing the fermentable waste stream.

The pursued objectives are:

- Presentation rate in case of door-to-door visits,
- Decrease of at least 15% in the quantity of non-recovered household waste collected,
- 7% decrease in the amount of waste produced
- Increase of the amount of waste sorted,
- More frequent use of the recycling waste center.

This action is part of the European project LIFE IP SMART WASTE and aims more particularly at adapting the inter-communal recycling center located on Collobrières in order to:

- ➔ To adapt the equipment to the new collection service (bins and storage landfills for door-to-door collection with the dump truck),
- ➔ To improve the service to reduce landfill waste tonnage (12 separated collection systems, wider opening hours to receive more flows),
- ➔ to optimize the installation by the reception of new flows (dangerous household waste, green waste, etc.).

OBJECTIVES AND RESULTS

General objectives

Optimize the intercommunal recycling center of Collobrières

Quantitative objectives

On the scale of the territory, (40 000 inhab.) 14 000 tons of household and similar waste were collected in 2014 of which only 35% were recycled. The territory, in accordance with national guidelines, aims to achieve **65% material recovery from recycling centers**.

Quantitative results

LIFE IP SMART WASTE project indicators:

- Number of collected flows: for now, unchanged, waiting for Eco DDS approval and implementation of this sector at the recycling center
- Collected and recycled tonnage: up overall compared to 2018. However, contrary to what was planned, it is not possible to give precise tonnages because the flows are shared at the level of the inter-municipality by the sorting center (Pizzorno group)
- Attendance (individual/company): waiting for return of entry management software
- Professional fees: no billing for the moment, waiting for the return of the entry management software
- Installation respecting the ICPE norms (regularized declaration)
- **Separation of the activities of the municipal technical services and of the recycling center on two different sites**
- **CCTV allowing to manage illegal deposits at the site entrance and intrusions**

Qualitative results

IMPLEMENTATION

Description of the action

Project manager of the construction site (finalization of the project of recycling center, realization of the file of companies consultation, follow-up of the construction site)

: OPSIA firm

Selected companies:

- Lot 1 Earthworks, roads and main networks, civil engineering, fences, and gates: assigned to ZATTERA-DURBANO company,
- Lot 2 CCTV system: assigned to CIRCET company,
- Lot 3 Supply and installation of the guard's prefabricated unit: assigned to ALGECO.



The recycling center includes:

- 5 bins for waste stockage: green waste, inert waste, bulky items/ordinary industrial waste, wood (class A and B in mixture), electrical and electronic equipment waste (cold and excluding cold waste),



	<ul style="list-style-type: none"> ▪ On the ground, 4 dumpsters for selective sorting, metals, tires, and a compactor, ▪ A covered bin for the recovery of waste oils, ▪ A storage unit for special household waste, Une armoire de stockage des déchets ménagers spéciaux, ▪ A stockage area for battery drums, boxes for electrical and electronic equipment waste (small electrical appliances and screens). <p>Compared to the initial estimated project in the LIFE action, the following changes have been made:</p> <ul style="list-style-type: none"> ➔ Removal of the transfer dock and replacement with ground disposal bins, ➔ Addition of CCTV and lighting of the site at night to fight against illegal dumping outside of the recycling center and against intrusions (metal theft). ➔ Addition of a unit for the guard with computer station and access management software for billing. ➔ The transfer platform, which was necessary for the emptying of the household waste dumpster after the door-to-door collection of the selective sorting, has been removed after consultation with the sorting service provider (Pizzorno group): the collected waste is either brought to a transfer platform of the service provider, or placed on the ground at the recycling center and loaded with a backhoe into boxes that are transported by the service provider to the sorting center.
<p>Planning</p>	<ul style="list-style-type: none"> ✓ 2017: Deliberation of the local authority, project definition ✓ April 2018: Start of work ✓ Summer 2018: Receipt of ICPE declaration and delivery of work ✓ September 2018: Adoption of new regulations and fees ✓ October 1st, 2018: Opening of the site to the public ✓ 2019: Implementation of access management and billing software
<p>Principal year of implementation</p>	<p>2018</p>
<p>Human resources</p>	<p>CC Méditerranée Porte des Maures / Municipality of Collobrières</p>
<p>Financial resources</p>	<p>132 000 € incl. tax.</p>
<p>Technical resources</p>	<p>None</p>
<p>Involved partners</p>	<p>Région PACA (Life IP SMART WASTE) / municipality of Collobrières</p>

FEEDBACKS AND REPRODUCIBILITY

<p>Success factors</p>	<ul style="list-style-type: none"> ✓ Communication with users ✓ Supervision of work by a project manager ✓ Involvement of guards/agents working on the waste collection site to consider their remarks
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Difficulties encountered

- Discrepancy between the project submitted and the outcome: a significant period of time elapses (a few years) between the project and its realization so there are inevitably changes that impact the financial and technical aspects of the entire construction site: some rework (warrantly) required after the opening, on the material, and on the software.
- Modification of user habits (access methods)
- Relation with the eco-organization (Eco DDS)

Recommendations

Use the experience and good practices of other sites/managers while adapting them to consider local specificities.