



Selective Collection
Of The Organic Waste
In Tourist Areas

Boadella i les Escaules

Manager: Council
Location/Country: Boadella i les Escaules
(Girona, Catalonia, Spain)
Year of implementation: 2006

Brief description: Composting facility in a tourist town in the Pyrenees. Collection and transport of urban waste was very expensive because of the long routes by mountain roads. This small facility allows to treat the biowaste generated in households and tourist establishments in town. The garbage truck only has to collect and transport the non-organic fractions.

CAPACITY AND FLOWS

Total capacity (t·y⁻¹)	250
Biowaste treated	Kitchen and canteen waste (EWC: 20 01 08)
Origin of the biowaste	Source separated collection from households
% impurities	< 1,5%
Quantity treated (t·y⁻¹)	100
Bulking/complementary material	Wood, tree and bush cuttings (EWC: 20 01 38)
Quantity treated (t·y⁻¹)	25

COMPOSTING SYSTEM

Fermentation phase	Turned heaps
Time (weeks)	8
Maturation phase	Turned heaps
Time (weeks)	16
Other remarks	-

COMPOST

Impurities in the compost (%)	< 0,5%
Quality / End-of-waste	Class A - RD 824/2005 ES
Self - consumed (%)	100%
Sold (%)	0%
Main customers	Free for the inhabitants
Sell price (€·t⁻¹)	0

ECONOMIC ASSESSMENT

Investment (€)	50.000
Yearly cost (€)	7.000
Treatment cost (with amortization) (€·t⁻¹)	74,8
Treatment cost (after amortization) (€·t⁻¹)	36,7
Saving compared to the conventional processing (€·t⁻¹)	6,2

Partners



Associates

ACR+ (Association of Cities and Regions for Recycling and Sustainable Resource Management) / ARC (Waste Agency of Catalonia) / CRRSZZ (Rabat Region Salé Zemmour Zaer) / Municipalité de Djerba Houmt Souk / KEPA-Business and Cultural Development Centre



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