

### 3. DEVELOPMENT OF SEPARATE WASTE COLLECTION SERVICES

#### CATEGORY

Waste Management Efficiency & Recycling (Waste collection and sorting upgrades)

#### LOCATION



#### DESCRIPTION

The project concerns the development of separate waste collection through:

- 1) transformation of the separate collection system in Turin with the extension of home collection to about an additional 150,000 inhabitants compared to the 404,000 inhabitants served in 2012; in the Emilia Area, anticipating the regional planning, IREN has implemented a progressive transformation of waste collection services to the door-to-door model, with prodromal methods for the application of punctual pricing.
- 2) collecting centers in Emilia area, a capillary computerized system used to register inputs, through a personal badge, and to check the volumes of waste conferred. This allows you to activate competitions with prizes for citizens.



#### AMOUNT

Full project amount at 31-12-2017 (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
42.1	42.1	42.1

#### ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2012	2013	2014	2015	2016	2017	2018
Total sorted waste collection	t	635,724	644,444	675,610	721,788	737,163	711,910.5	840,953.4
Total of non sorted waste disposed	t	550,903	528,100	503,896	484,128	488,426	464,836.6	468,072.8
Number of bins for sorted waste	n.	661,961	648,491	648,709	663,268	699,065	615,681.0	839,269.0
Volumes of bins for sorted waste	m <sup>3</sup>	105,278	111,322	120,371	145,345	155,114	163,037.1	224,758.8
Door to door collection system	n.	687,215	833,069	998,080	1,061,847	1,139,228	1,391,087.0	1,473,268.0
Sorted waste collection hubs	n.	112	112	112	117	117	113.0	113.0
Volumes of waste collected in the collection hubs	t	161,937	174,639	186,210	208,544	205,719	193,307.65	211,396.35