

## CROATIA

### Municipal waste generation and management: current situation and distance to target

Parameter	Value
<b>Population 2013 (Eurostat)</b>	
Total (inhabitants)	4.262.140
<b>Waste generation 2013 (Eurostat)</b>	
Total (thousand tons)	1.721
Total (kg/cap/y)	404
<b>Waste management 2013 (Eurostat) (kg/cap/y)<sup>1</sup></b>	
Total waste treatment	393
Recycling	54 (14%)
Composting	7 (2%)
Incinerated	0
Landfill	332 (85%)
Balance (unaccounted)	11
<b>Compliance with Targets</b>	
Data on compliance with landfill directive targets, or distance to target remaining (if target not met) <sup>2</sup> (source: AZO – Croatian EPA) <sup>3</sup>	Target for 2013: Max. amount of biodegradable municipal waste landfilled in 2013 (compared to the reference year 1997): 75% Performance in 2013: 115%.

<sup>1</sup> The treatment operations may not be added up to 100% due to rounding

<sup>2</sup> The Landfill Directive sets out specific targets regarding bio-waste and how it should be disposed of in landfills. Specifically, by 2006, biodegradable municipal waste going to landfill must have been reduced to 75 % of the total amount of biodegradable municipal waste (BMW) generated in a specific reference year (1997, in the case of Croatia). This share is required to be further reduced to 50% and 35% by 2009 and 2016, respectively.

<sup>3</sup> Report on Municipal Waste 2013 (available in Croatian language only):  
<http://www.azo.hr/IzvjesceOKomunalnomOtpaduZa2013>

Data on compliance with waste framework directive targets or distance to target remaining (if target not met)	Target 2020: 50% (calc. method 4) <sup>4</sup> Performance 2013: 16%
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### **Analysis**

Statistics show that landfilling rates in Croatia are very high (85%) and recycling rates are still too low (16%) to comply with the waste hierarchy and with the 50% set in the EU Waste Framework Directive (WFD) which has to be met by 2020.

In 2013, the amount of landfilled Biodegradable Municipal Waste (BMW) was 115% compared to the reference year 1997. Therefore, the 2013 target (to landfill a maximum amount of BMW equivalent to 75%) was clearly missed.

### **Underlying problems**

The underlying causes for the current distance to EU waste targets are:

- Lack of clear allocation of tasks and lack of co-ordination between the different administrative levels;
- Insufficient (door-to-door) separate collection of waste;
- Sub-optimal planning of waste management;
- Insufficient incentives to manage waste according to the waste hierarchy;
- Unclear management of outputs of mechanical-biological treatment plants (MBTs);
- Enforcement capacity.

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<sup>4</sup> According to Commission Decision 2011/753/EU of 18 November 2011 establishing rules and calculation methods for verifying compliance with the targets set in Article 11(2) of Directive 2008/98/EC