Waste ATLAS:
A global waste management tool

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D-WASTE™
waste management
for everyone

Contents

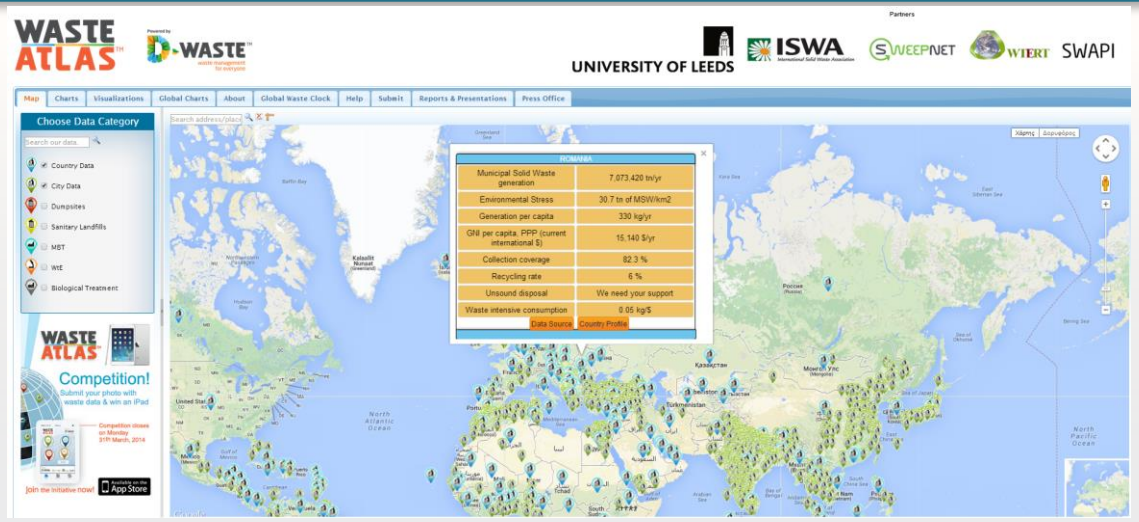
- What is Waste Atlas?
- What can you do with Waste Atlas?
- Achievements and next steps

What is Waste Atlas?

LET'S GATHER THE GLOBAL WASTE MANAGEMENT DATA IN A SINGLE PLACE

Data available

A Crowdsourcing Success Story



www.atlas.d-waste.com

WASTE ATLAS™

164 Countries

1800 Cities

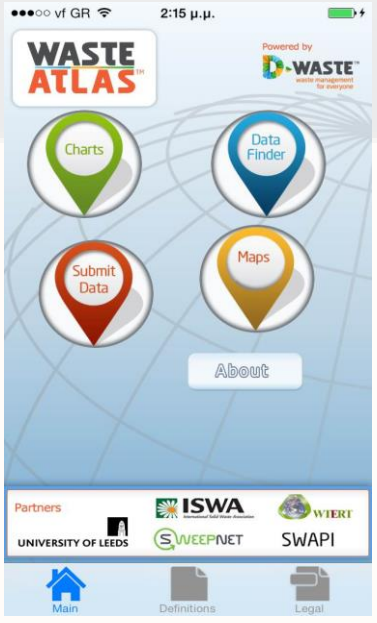
1550 SLs

715 WtE

129 MBTs

78 BTs

57 of the world's biggest dumpsites



Available on the App Store

Waste Atlas Partnership

D-WASTE™ waste management for everyone

UNIVERSITY OF LEEDS

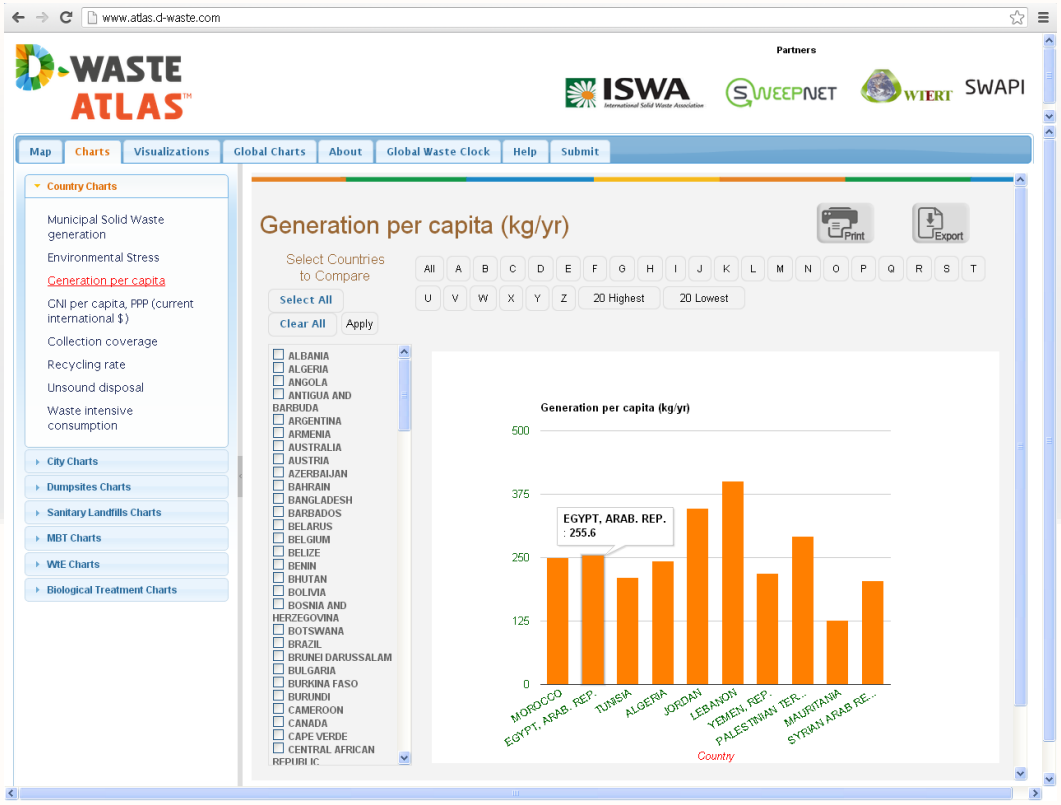
WIERT

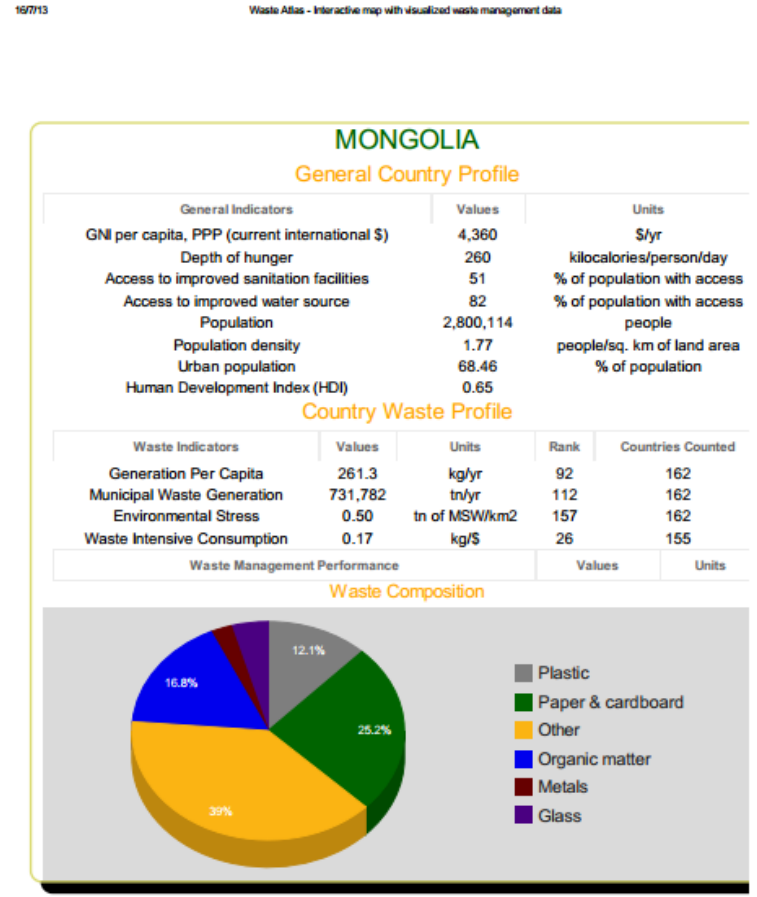
ISWA International Solid Waste Association

SWEEPNET

SWAPI

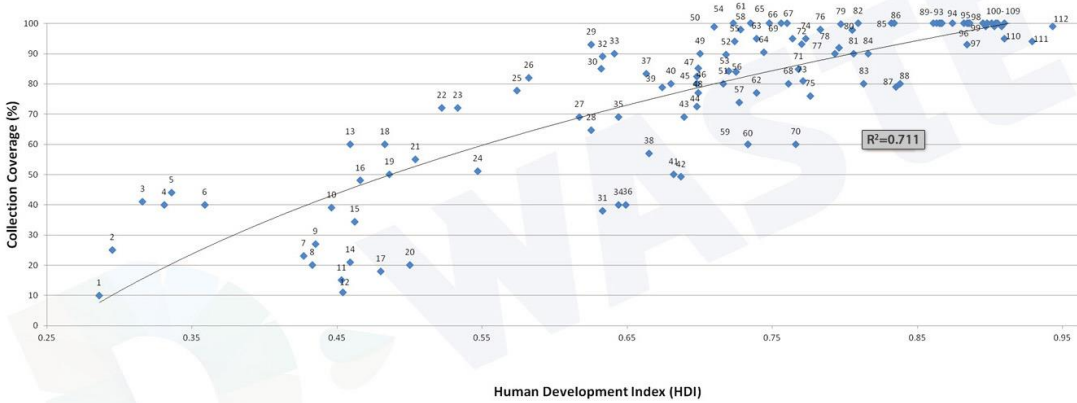
What can you do with Atlas?





Waste global correlation charts

Collection Coverage vs HDI



1-Congo, Dem. Rep.
2-Niger
3-Burundi
4-Burkina Faso
5-Sierra Leone
6-Mali
7-Benin
8-Comoros
9-Togo
10-Uganda
11-Mauritania
12-Haiti
13-Nigeria
14-Senegal
15-Yemen, Rep.
16-Tanzania
17-Madagascar
18-Myanmar
19-Angola
20-Bangladesh
21-Pakistan
22-Bhutan
23-Congo, Rep.
24-India
25-Guatemala
26-Morocco
27-Indonesia
28-Honduras
29-Namibia
30-Syrian Arab Republic
31-Botswana
32-Guyana
33-Palestine
34-Egypt, Arab Rep.
35-Philippines
36-Moldova
37-China
38-Dominican Republic
39-Alg37-Bolivia
38-Paraguay
39-El Salvador
40-Suriname
41-Thailand
42-China
43-Dominican Republic
44-Algeria
45-Jordan
46-Tunisia
47-Belize
48-Turkey
49-Azerbaijan
50-Colombia
51-Armenia
52-Brazil
53-Ecuador
54-St. Lucia
55-Costa Rica
56-Grenada
5755-Dominica
56-Peru
57-Jamaica
58-Mauritius
59-Bosnia and Herzegovina
60-Georgia
61-Venezuela, RB
62-Albania
63-Lebanon
64-Costa Rica
65-Grenada
66-Belarus
67-Trinidad and Tobago
68-Malaysia
69-Antigua and Barbuda
70-Serbia
71-Panama
72-Mexico
73-Bulgaria
74-Seychelles
75-Cuba
76-Uruguay
77-Barbados
78-Croatia
79-Argentina
80-Chile
81-Bahrain
82-Portugal
83-Poland
84-Hungary
85-Malta
86-Slovak Republic
87-Estonia
88-Brunei Darussalam
89-Greece
90-United Kingdom
91-Czech Republic
92-Singapore
93-Luxembourg
94-Italy
95-Finland
96-France
97-Slovenia
98-Austria
99-Belgium
100-Denmark
101-Korea, Rep.
102-Hong Kong SAR, China
103-Iceland
104-Japan
105-Switzerland
106-Sweden
107-Germany
108-Canada
109-Netherlands
110-United States
111-Australia
112-Norway

Definitions

Collection coverage:

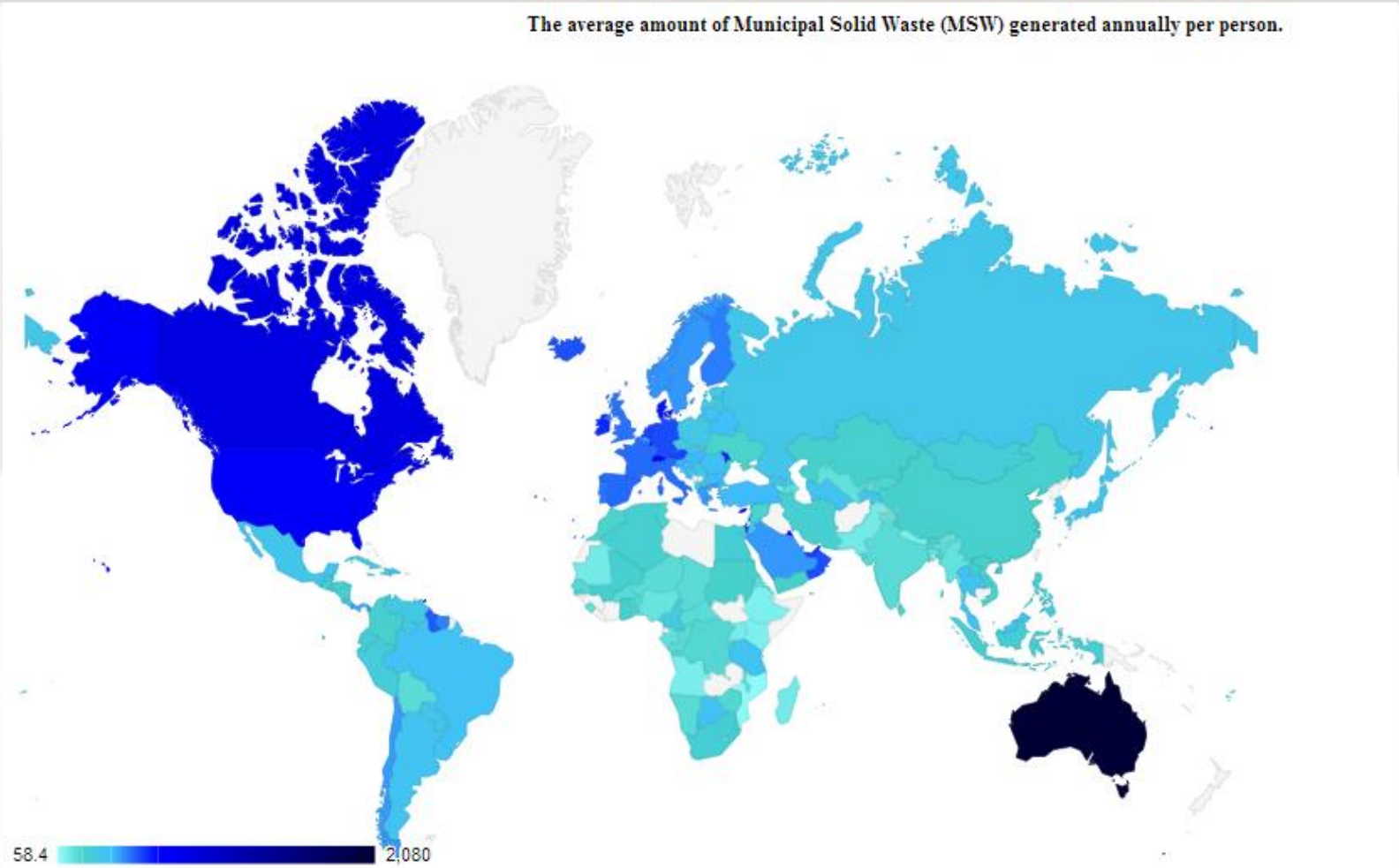
The amount of Municipal Solid Waste (MSW) collected as a proportion of total MSW generated.

Human Development Index (HDI)

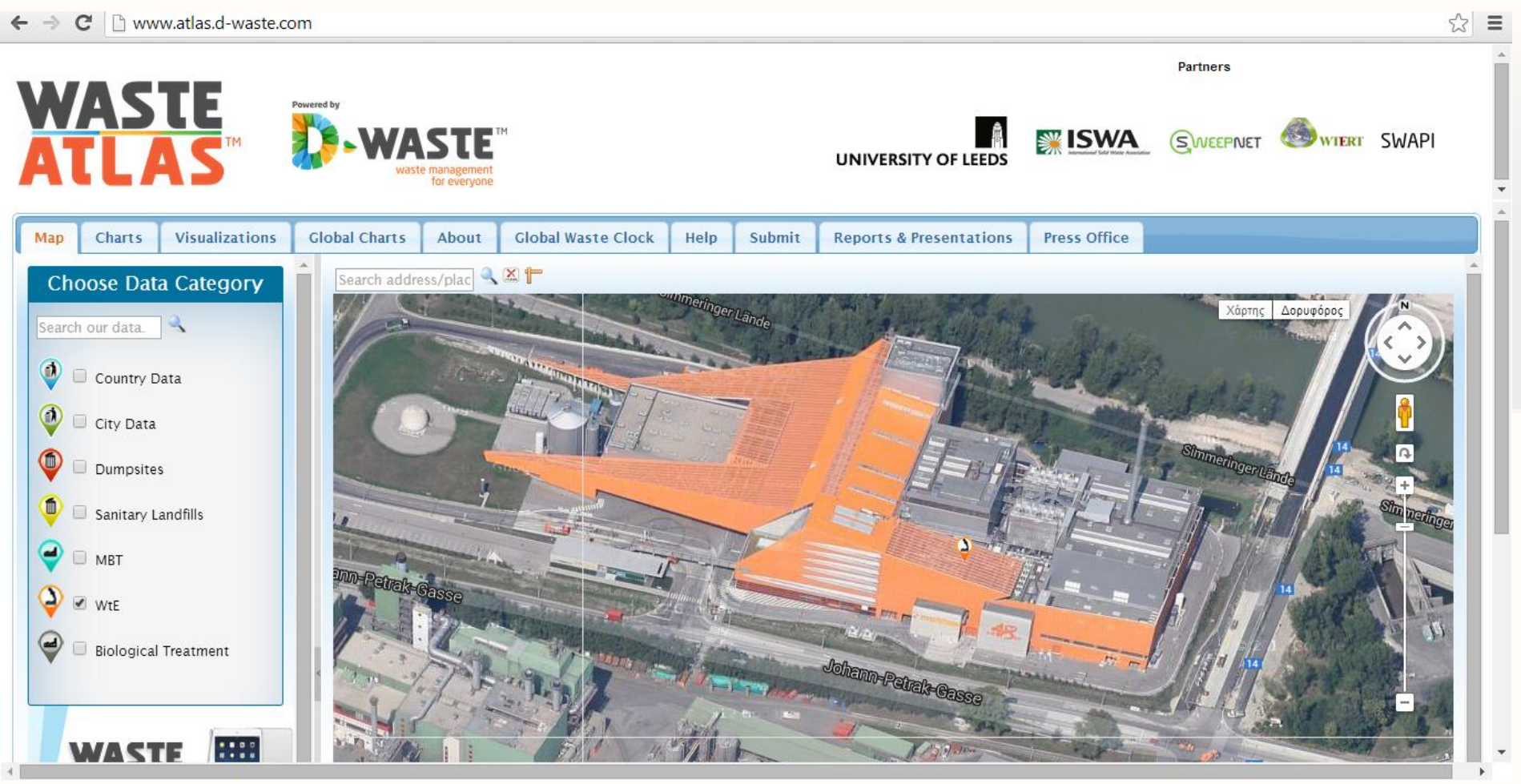
A composite index measuring average achievement in three basic dimensions of human development—a long and healthy life, knowledge and a decent standard of living.

ISWA
SWEEPNET
WIERT
SWAPI

Global waste maps



Actual location of facilities



Waste Atlas

1st Annual Report

Table 2-1: Global Average Indicators

Indicators	Quantity	Units	Number of countries counted
Municipal Solid Waste Generation	1.84	10^9 t year^{-1}	162
Municipal Solid Waste Generation per capita	271.7	Kg cap^{-1} year^{-1}	162
Collection Coverage	73.9	%	122
Recycling rate	16.0	%	91
Unsound disposal rate	38.0	%	96
Environmental Stress	14.9	t (km^2)$^{-1}$	162
Waste Intensive Consumption	0.05	Kg \$$^{-1}$	155

Assessment of the current global situation is an example of the outcomes that may arise from the use of Waste Atlas, including amongst others waste projections and benchmarking studies. For practical examples you can download Antonis Mavropoulos' presentation in Lisbon GRAPESB conference from http://www.d-waste.com/presentations/utilizing-waste-atlas-detail.html#.UlKa5oa9lgE

How you can use Waste Atlas

- Comparison
- Forecast
- Benchmarking
- WM understanding of a region
- Crowdsourcing works

Barriers

- Adoption of common definitions
- Beyond the typical indicators
- Old data is reproduced - lack of updated data
- Is there any data out there?
- Credibility issues – need to search deeper and benchmark
- Localization of facilities' exact location

Next steps and challenges

- Expand partnership
- Cooperate more with Universities
- Create a global interactive community
- Technology improvements

Next step: the 50 biggest dumpsites!

www.atlas.d-waste.com

The waste world in your hands

Thank you for your attention!!!

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www.d-waste.com