



From Waste

- ▶ to Energy**
- ▶ to Climate Protection**

In the light of the 2nd reading of the Waste Framework Directive

EEF Dinner Debate, Brussels, 29th January 2008

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Confederation of European Waste-to-Energy Plants

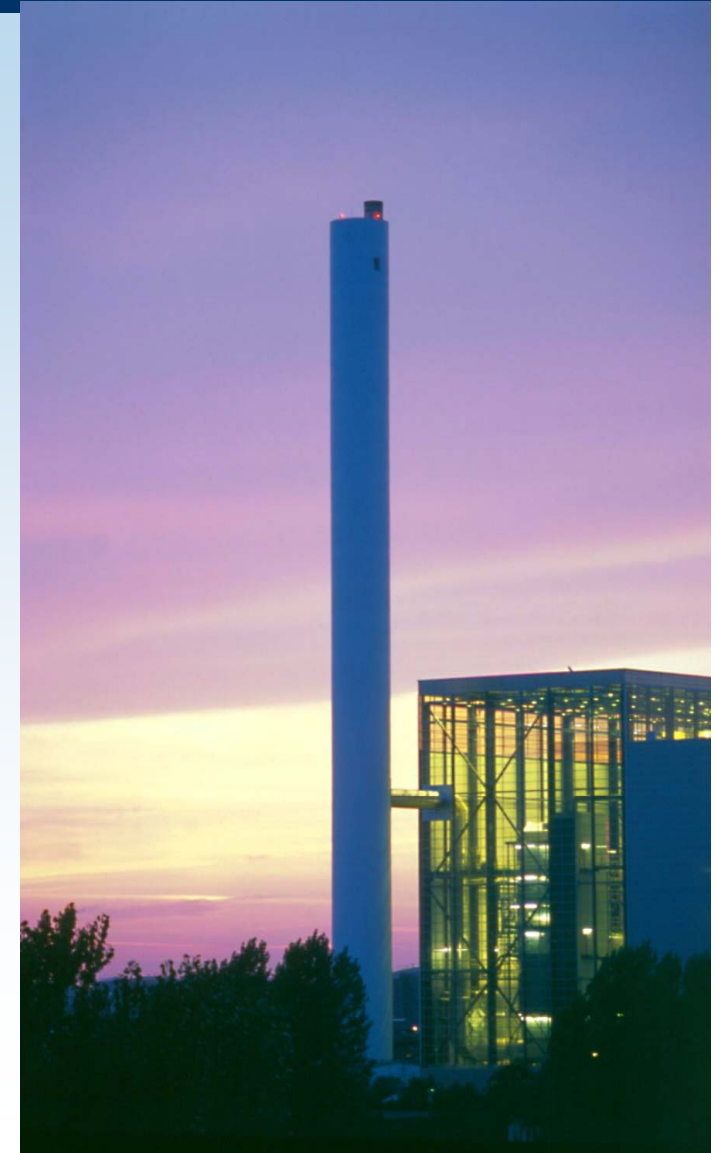


CEWEP represents 338 Waste-to-Energy plants across Europe, 80% of the European market.

They thermally treat household and similar waste, that remains after waste prevention, reuse and recycling by generating energy from it.

This is how they replace fossil fuels, such as coal, used by conventional power plants.

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Diverting waste from landfills



- ▶ 41% of Municipal Solid Waste across the EU 27 is still landfilled,
- ▶ Although landfill gases (methane) contribute significantly to global warming (methane equals 23 times CO₂).
- ▶ The 5step waste hierarchy helps to achieve sustainable waste management, placing prevention at the top and disposal (such as landfilling) as the least favoured option.

WtE hand in hand with Recycling



The Member States who have most successfully reduced dependence on landfill have done this by combining:

- ▶ **material recycling,**
- ▶ **biological treatment** (composting and anaerobic digestion)
- ▶ **and Waste-to-Energy**

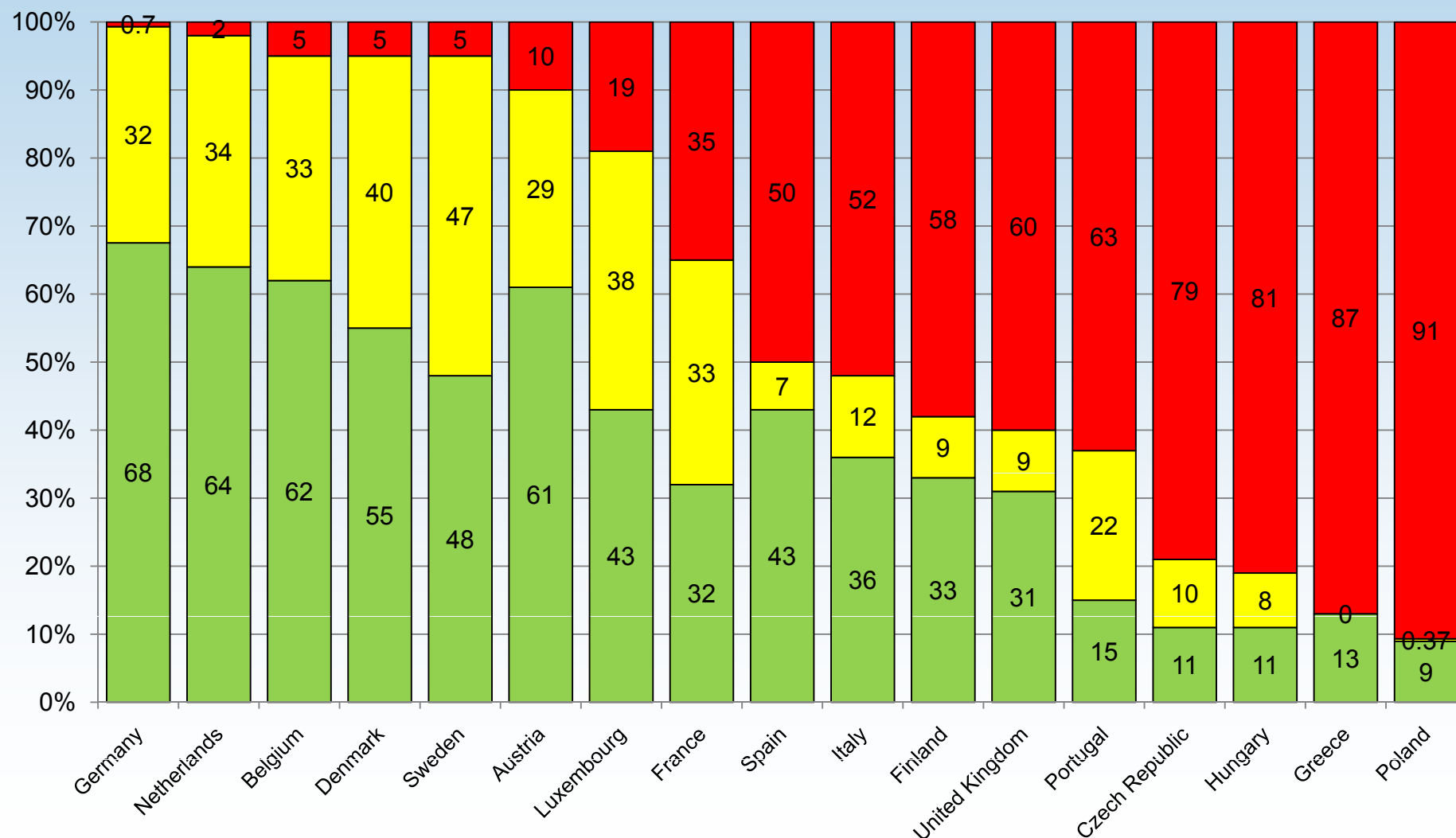
Proving that WtE goes hand in hand with Recycling.

Treatment of MSW in the EU 27 in 2006

Source: EUROSTAT



■ Recycling (Incl. Composting)
 ■ Waste-to-Energy
 ■ Landfilling



Energy Resources & Climate protection



- ▶ Waste-to-Energy helps to reduce both, dependence on landfill and limited fossil fuel resources.
- ▶ The technology is robust and an effective option to reduce GHG emissions.
- ▶ Waste-to-Energy is a cost-effective and reliable alternative energy source.

- ▶ **Therefore, efficient WtE plants should be classified as energy recovery facilities and not be consigned to the bottom of the waste hierarchy, at the same level as landfilling.**
- ▶ The energy recovery status will give WtE plant operators the incentive to invest in high energy efficiency, contributing to security of energy supply and climate protection at the same time.

Waste Framework Directive -



An opportunity to make the most of Europe's waste

- ▶ The Commission and the Council paved the way by setting ambitious energy efficiency thresholds in the revision of the Waste Framework Directive, in Annex II, R1-formula.
- ▶ WtE plants which achieve this, will have the opportunity to be classified as energy recovery.



Waste Framework Directive -

Taking environment and energy policy to the next level

The European Parliament should support
Energy Recovery and Climate Protection

→ voting R1 for efficient WtE plants.



For more information on Waste to Energy:

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