

# Waste to Energy (WtE) in Integrated Waste Management



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# WtE is broader than just incineration

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2017 Communication of the EC on the role of WtE in the Circular Economy (CE) defines five categories of WtE processes:

- Anaerobic Digestion
- Production of fuel (e.g. Refuse-Derived Fuel/RDF, Solid Recovered Fuel/SRF)
- Co-incineration (e.g. in cement or power plants)
- Incineration
- Other processes (e.g. pyrolysis, gasification, ...)

# WtE occupies three levels in the waste hierarchy

## Examples of waste-to-energy processes

Anaerobic digestion of organic waste where the digestate is recycled as a fertiliser

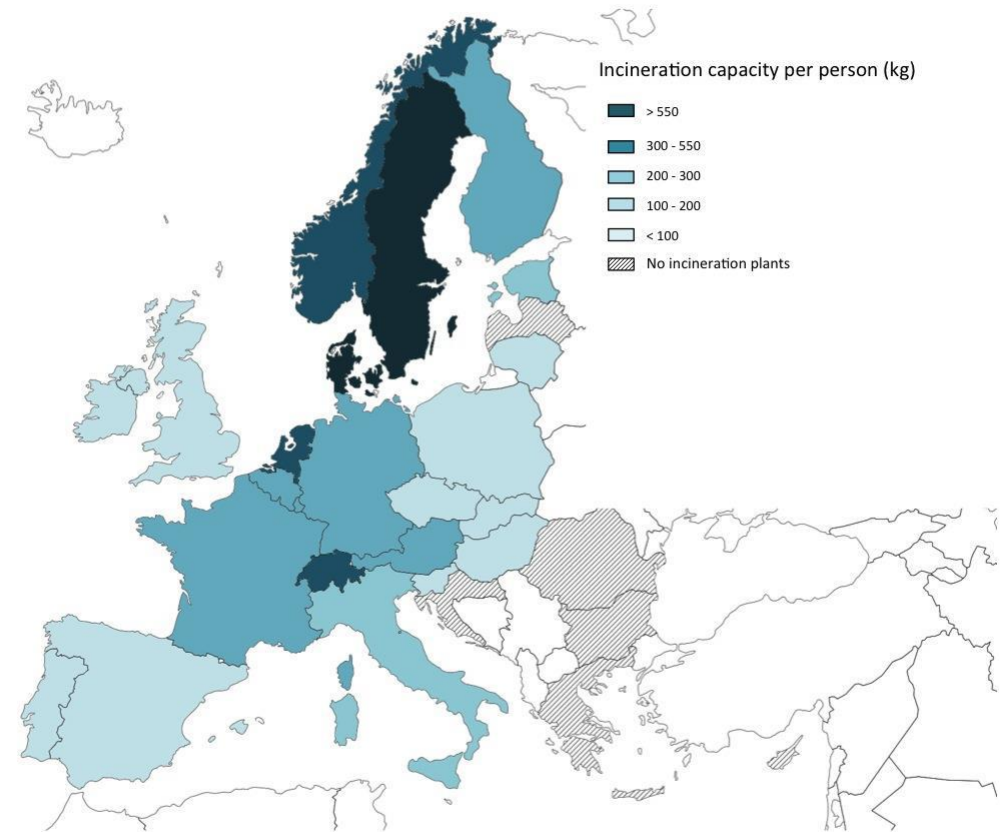
Waste incineration and co-incineration operations with a high level of energy recovery  
Reprocessing of waste into materials that are to be used as solid, liquid or gaseous fuels

Waste incineration and co-incineration operations with limited energy recovery  
Utilisation of captured landfill gas



# Big difference in WtE capacity between Western and Eastern Europe

- Significant WtE capacity (predominantly incineration) in Northern and Western Europe
- EC gives priority to Anaerobic Digestion (due to CE potential)
- WtE plants do not help to meet the recycling targets (except Anaerobic Digestion (AD) to a certain extent if well operated)
- WtE plants may play a role to meet the max 10% landfilling target (volume reduction)



# No more JASPERS support for incineration projects in 2021-2027



- Since 2007, JASPERS has supported the preparation of more than a dozen projects in Poland, Lithuania, Bulgaria, Czech Republic, Portugal and France.
- EC will not co-finance any incineration project in 2021-2027; therefore, JASPERS will no longer support such projects.
- The European Investment Bank (EIB) can lend money for incineration, but provided certain criteria are met, in particular Emission Performance Standards.
- New incineration projects will need financing from private and national sources; in case, public money is used, State aid rules apply.

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Questions & Discussion  
Thank you / Ευχαριστώ