

Borås:
100 % is recovered
30 % by material recovery
50 % by energy recovery
20 % by biological recovery



Waste recycling
markets and
creating green
jobs - European
perspective

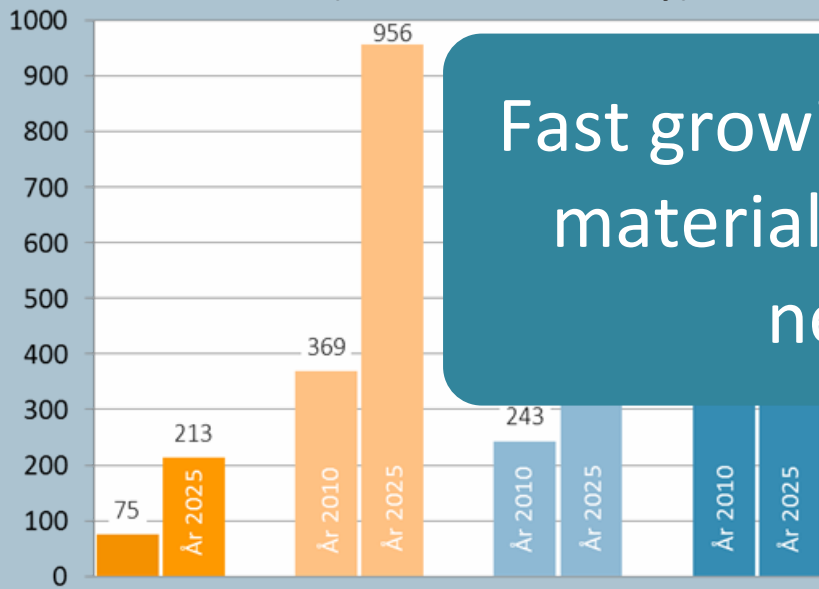
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Waste quantities globally, 2010-2025



Waste (millions tons/day)



Waste (kg/person and year)



Fast growing markets for material recycling are needed!

The world by income

Classified according to World Bank estimates of 2008 GNI per capita

- Low (\$975 or less)
- Lower middle (\$976–\$3,855)
- Upper middle (\$3,856–\$11,905)
- High (\$11,906 or more)
- No data

Key factors for the development of large material recycling markets in Europe:

- Strong policy instruments
- Integrated waste management systems
- Efficient collection systems
- Quality and quantity



Targets set by the 2008 Waste Framework Directive:

At least 50 % of all household waste should be recycled or reused by 2020.

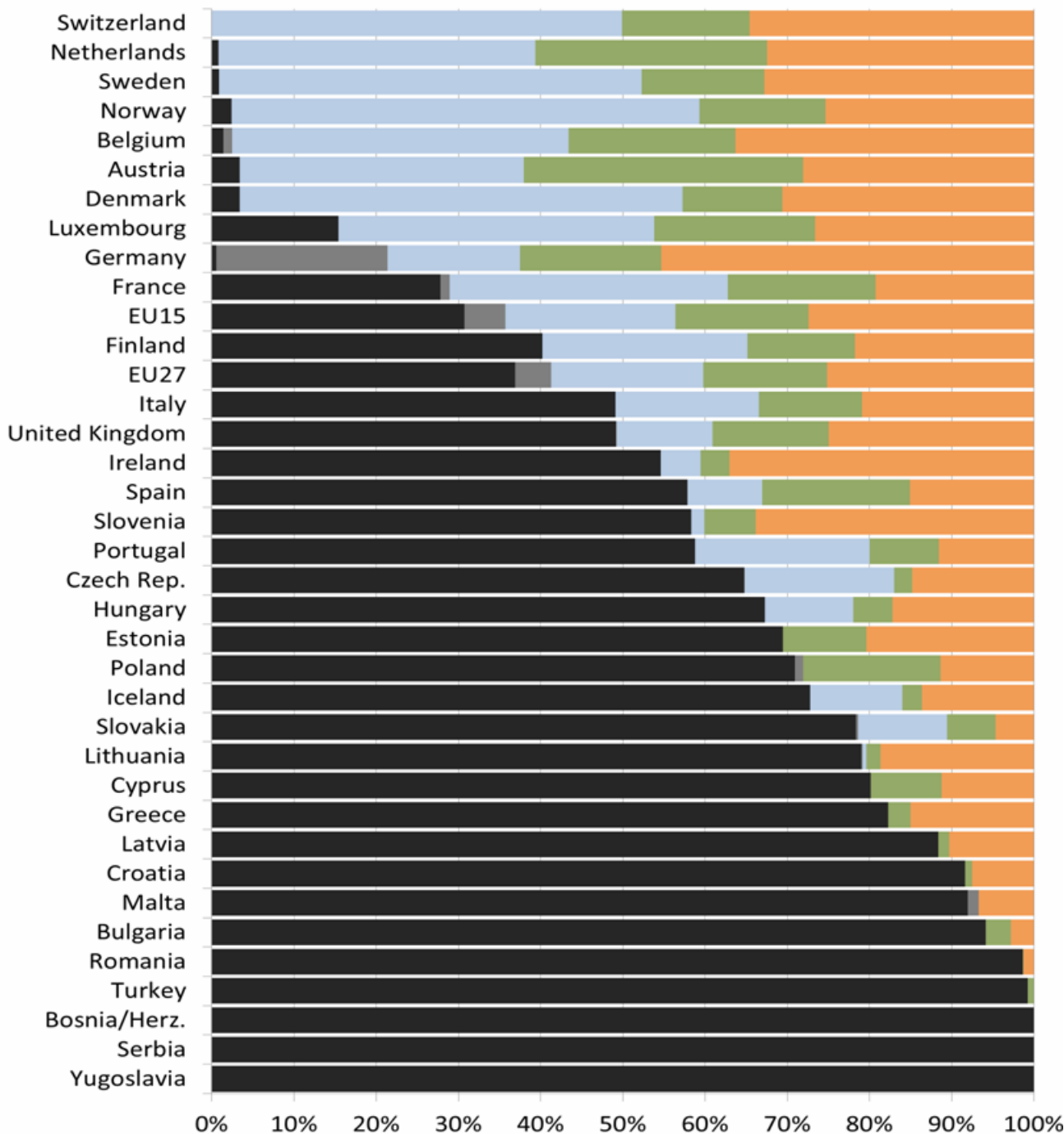
2020 compliance uncertain

The EU's overall recycling rate stood at 25% (2012). Countries with highest rates (30-45%) are Germany, Belgium Ireland, Slovenia, Sweden and Netherlands.

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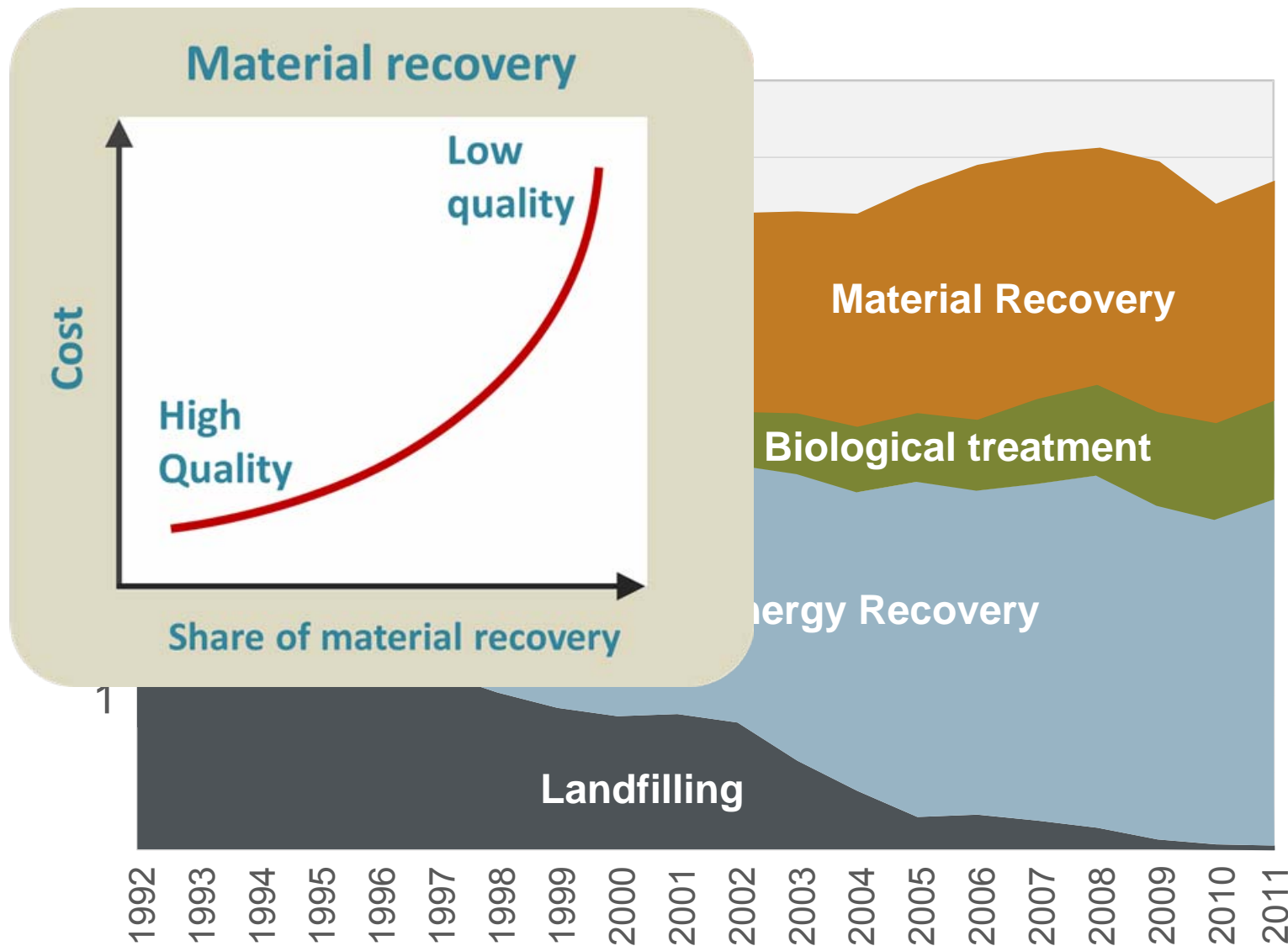


Treatment of municipal solid waste in Europe

(2011)

- Material recovery
- Biological recovery
- Energy recovery (R1)
- Incineration (D10)
- landfilling

Treatment of MSW in Sweden, 1992-2011



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Collection systems for MSW



Kerbside collection for separated materials is preferred for reaching large quantities of high quality

Commonly used systems for new collection systems in Sweden:

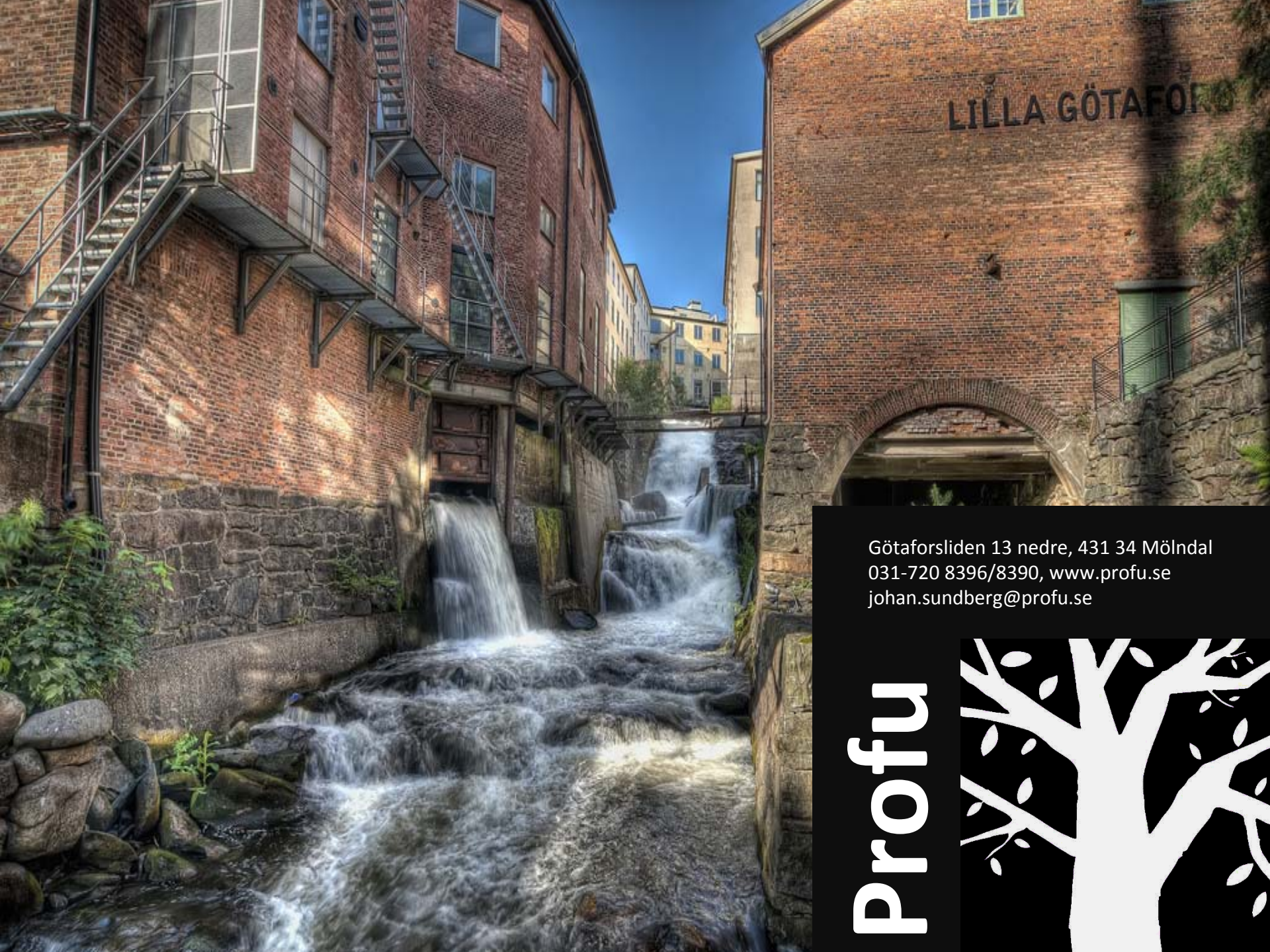
- Multiple Bins or bins with separated compartments
- Optical separation of coloured bags collected in one bin



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