Perspectives for SRF production and use

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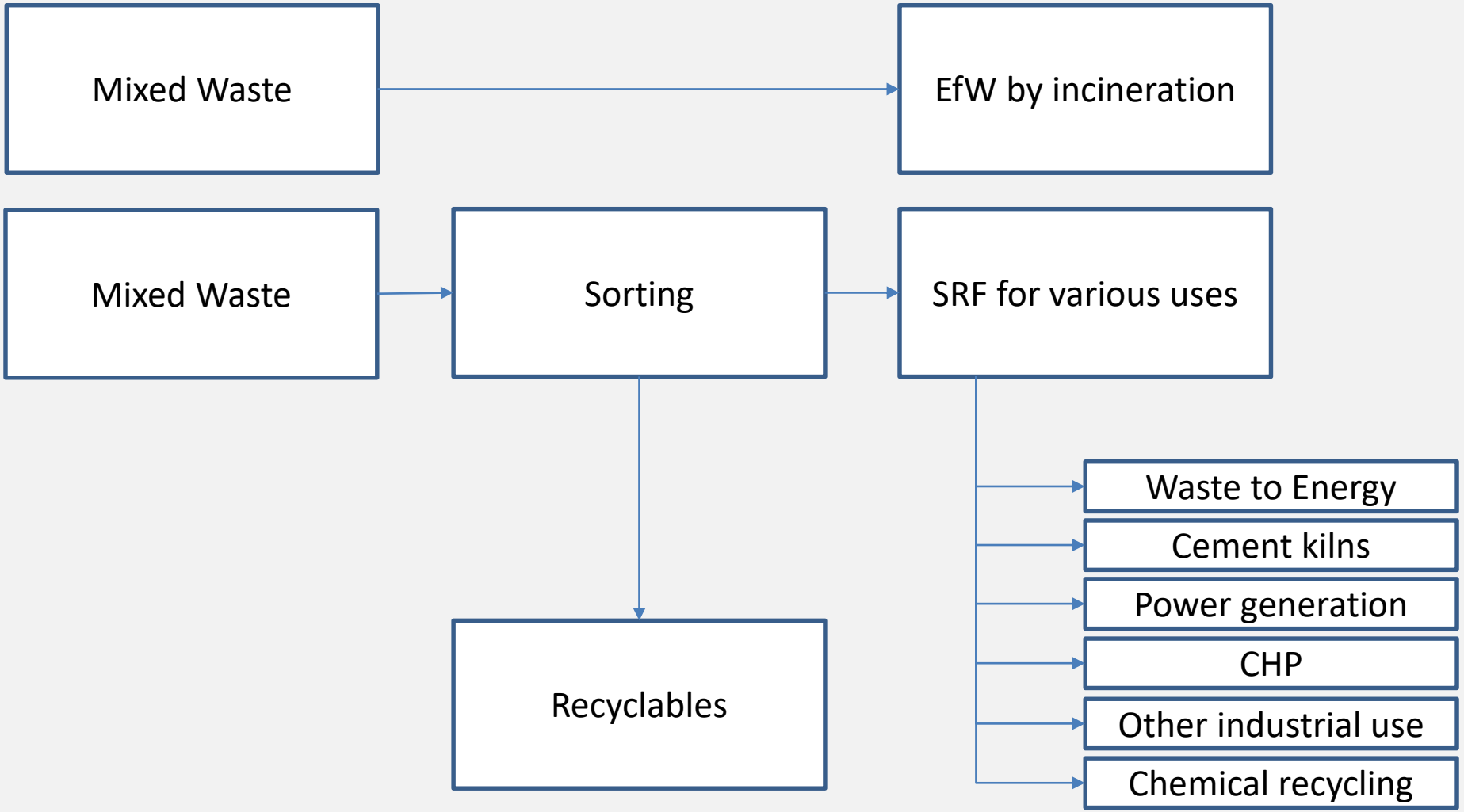
ERFO

The missing link

- Circular Economy Package
  - SRF production is part of the sorting process
  - No competition with recycling
- EU Energy Strategy
  - Flexible EfW solution
  - Use in processes designed to generate heat and power
  - Use of existing infrastructure

The missing link



Potential SRF production

Waste	Arising EU (Mt/year)	Assumption	Potential volume SRF (Mt/year)
MSW	213	• 50 Mt additionally available for SRF • Output MBT 35% SRF	17.5 (in addition to current production)
C&IW	270	• 50% available for SRF • Output 15% SRF	20
C&DW	630	• 20% available for sorting • Output 15% SRF	19

➔ Appr. 60 Mton

Potential SRF use

Market	Volume	Source	Potential SRF volume(Mt/year)
Industry	3497 PJ[1)]	[Pardo, 2012]	12
Cement industry	522 PJ/year	[CEMBUREAU, 2013, 2015]	12
Power generation	3,13 million GWh	[Eurostat]	16
Biomass power generation	100 Mtoe	[Eurelectric, 2011]	6
District heating	815088 TJ	[Pardo, 2012]	2

➔ Appr. 50 Mton

Potential SRF use

The Stavenhagen-Project

www.nehlsen.com

SRF-demand: approx. 11t/h

approx. 20 trucks daily

SRF storage capacity:

approx. 2.000 t

SRF plant

Thermal capacity: 49,5 MW

SRF throughput: 95.000 t/yr
(at 14,2 MJ/kg heating value)

Grate ash: 20.000 t/yr

Filter residues: 5.600 t/yr

Steam: 200.000 t/yr

Power:
22.500 MWh/yr
(Local grid)
14.400 MWh/a
(Pfanni)

Unilever