



Dutch Waste Management Association

Partner in the circular economy

European policies

**Dutch Waste Management Association
June 2015**



Landfill dump in Europe

Where? Anybody?



Bosnië-Hercegovina (BiH)

Sarajevo (on M18, next to river)



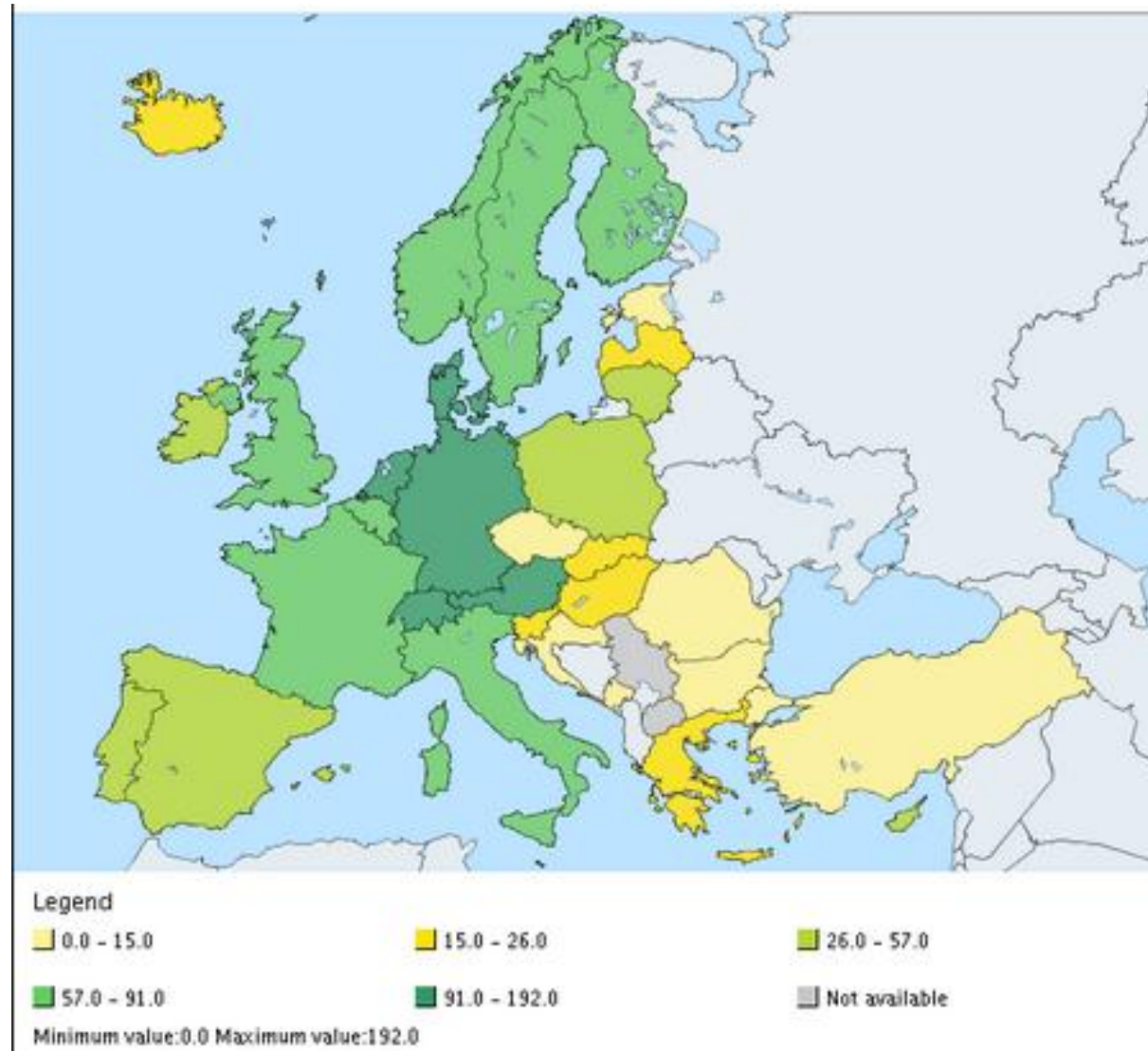
- Piles > 15 meters high
- Untreated mixed waste
- Uncontrolled dumping site, no gate/ guards/ nothing
- Waste is widely spread by wind / bird via air/ river on other side road

Potential of Bio-waste in Europe

Kg per capita (2013) composting & digestion


Kg/ capita

AT 192
NL 137
DK 123
CH 122
DE 108



Start: reduce volumes to landfill

Waste production and treatment in Netherlands



Year	Landfill	Discard water	Incineration	Recovery/ Recycling	Produced waste total
	<i>billion kg</i>				
1985	16,21	3,48	3,27	24,23	47,18
1990	13,88	1,81	3,89	31,36	50,92
1995	8,22	1,42	4,70	38,44	52,77
2000	4,83	0,40	7,08	50,93	63,24
2005	2,23	0,65	7,18	50,35	60,40
2010	1,38	0,41	5,13	52,94	59,86
Results	<i>Landfill reduction</i>	<i>Discard redution</i>	<i>Incineration increase</i>	<i>Increase valorisation</i>	<i>Increase production</i>
	-14,83	-3,89	1,86	28,72	12,68

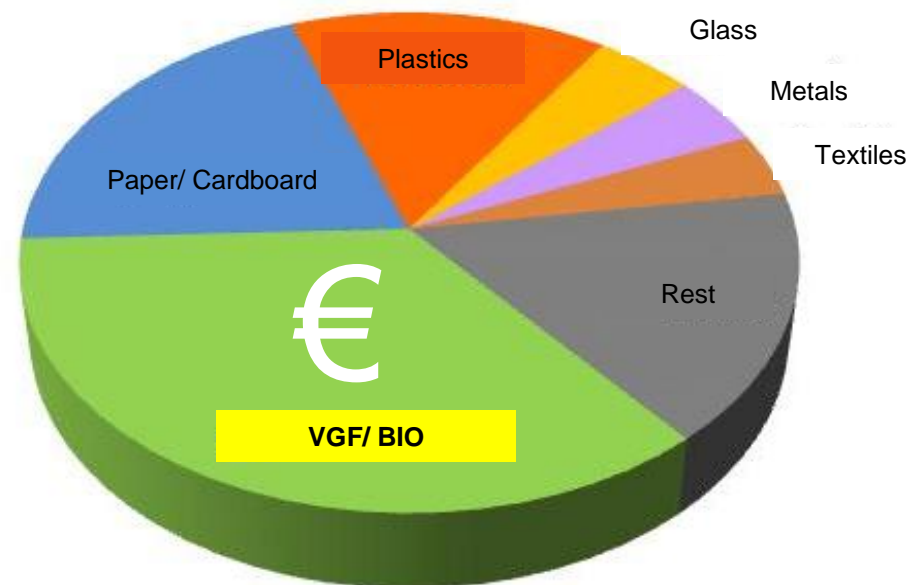
Source: Agentschap NL/CBS

Municipal Solid Residual Waste

Composition

Component	Average composition %	Packaging %
VGF/ BIO waste	36	
Paper/ cardboard	20	8,5
Nappies	5,3	
Plastics	15	10
Glass	4,7	4,5
Ferro	3,4	2,5
Non- ferro	1,1	0,76
Textiles	4,1	
Small Chemical	0,05	
Rest*	11	

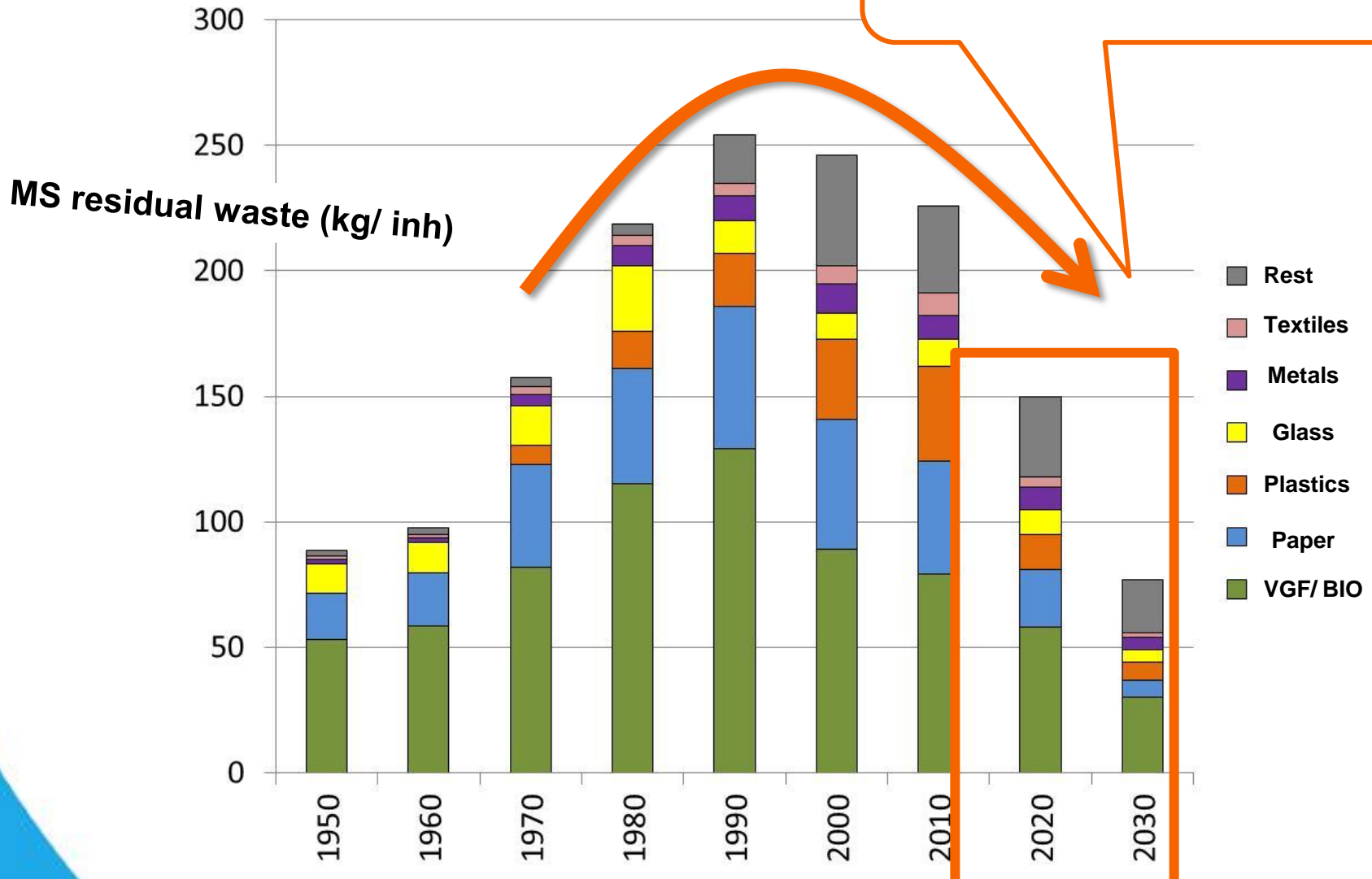
* stones, weee, wood, et cetera



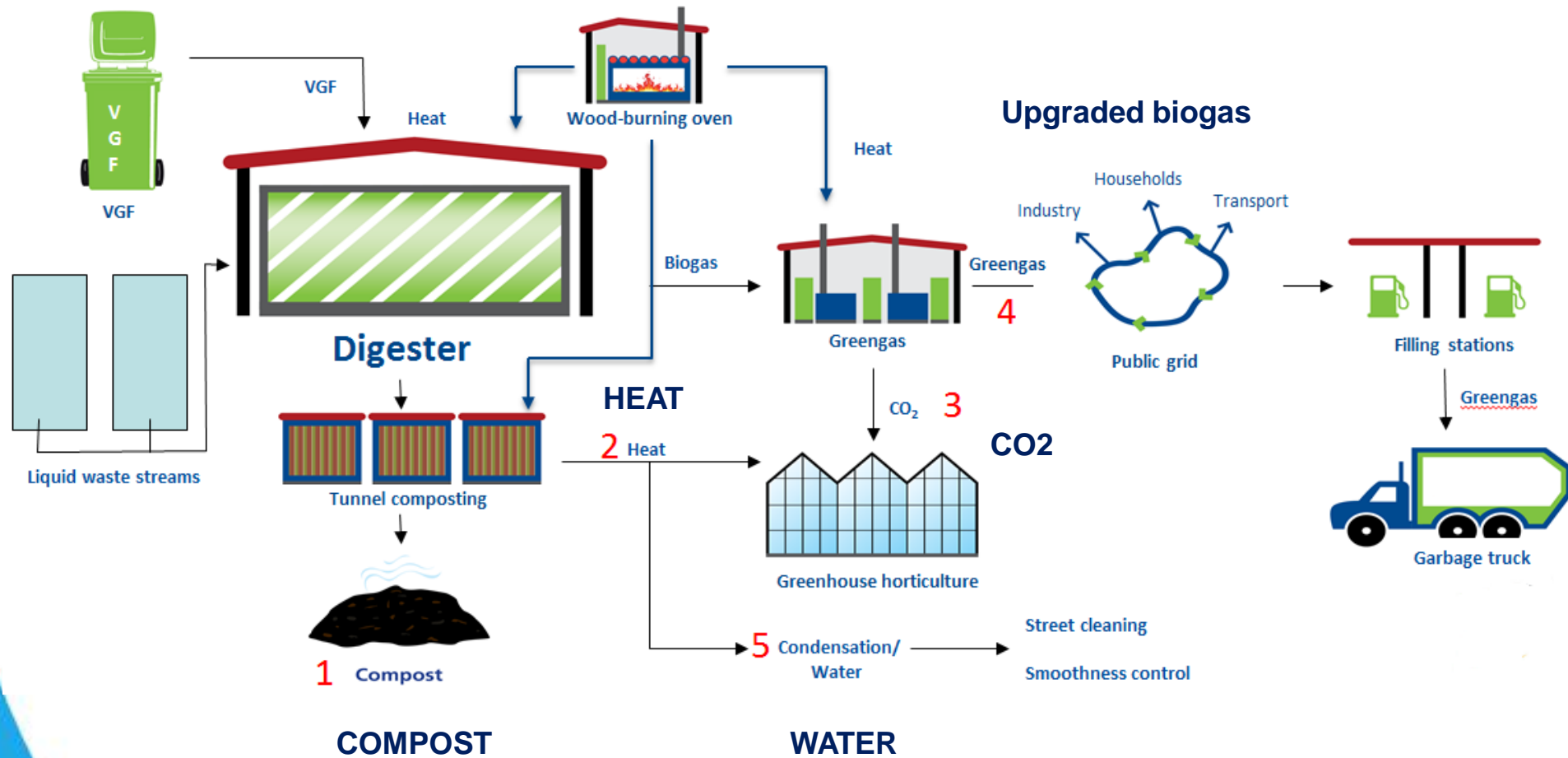
Focus NL

Next step: further minimise residual waste

Reduction residual waste mainly by source separation VGF, paper and packaging waste



Biowaste valorisation: 5 products



Activities

Focus

- VGF projects et cetera



Waste Matters

Contact details

Mr. Unico van Kooten

vankooten@dwma.eu

www.wastematters.eu

