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Plastic Waste Audit

Healthcare Without Harm, 8th of July 2021, Susanne Backer

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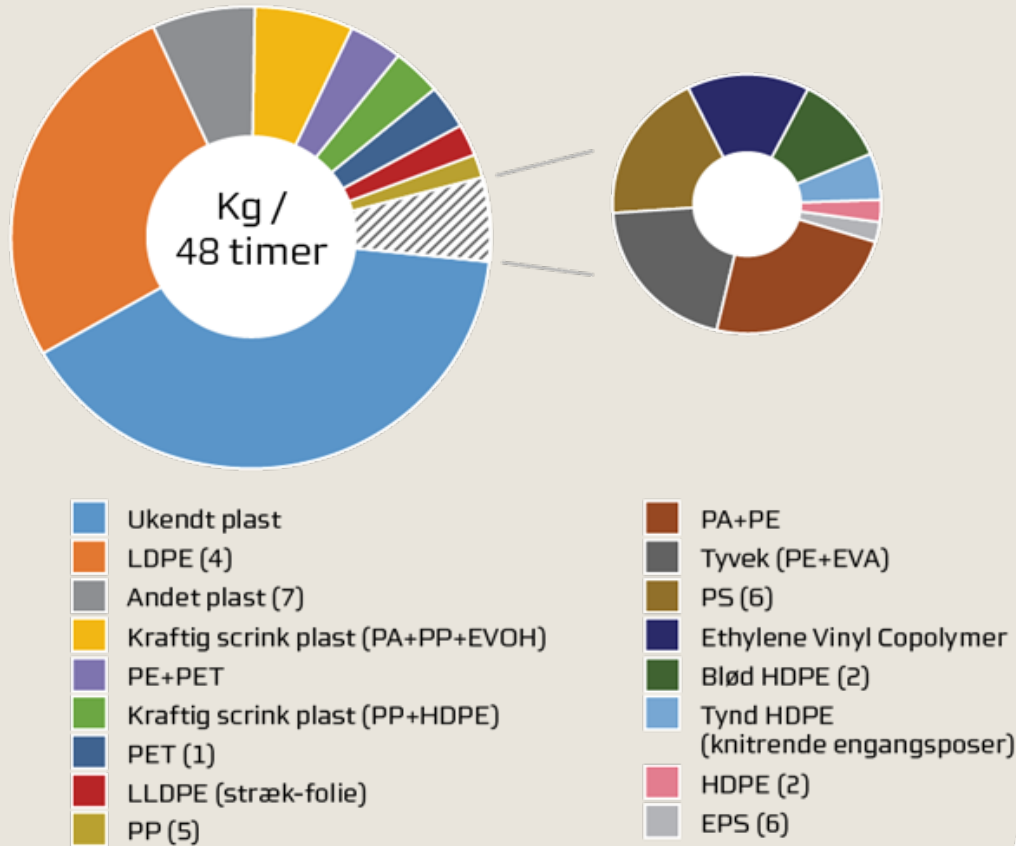
Why Plastic Waste?



Results from Plastic Waste Audit

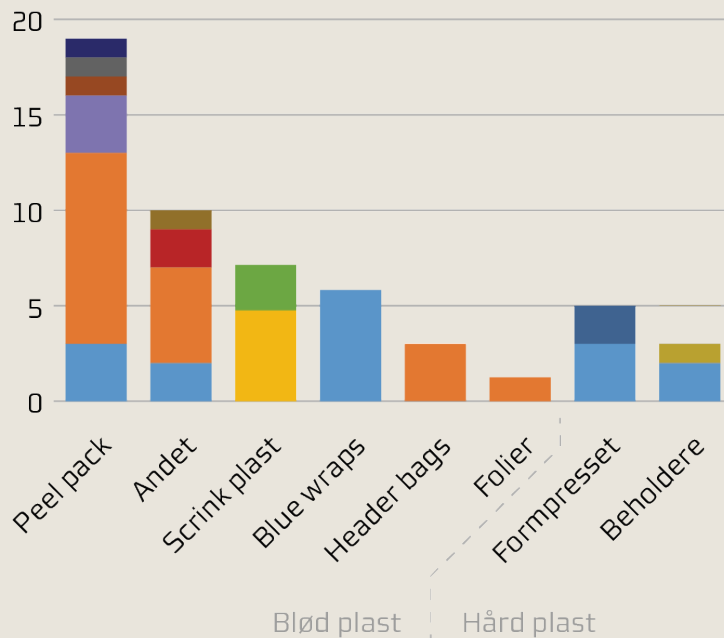
	Plastic (kg) ¹	Solid waste/ day/including plastic (kg.)	Plastic part of solid waste (%)
Patient ward -child	2.0	n.a.	n.a.
Patient ward -heart	0.5	n.a.	n.a.
Patient ward -lung	0.7	n.a.	n.a.
Patient wards total	4.2	n.a.	n.a.
Operations Dep. 1	10	64	15%
Operations Dep. 2	30	197	15%
Operations Dep. 3	20	131	15%
Operations Dept.	59	392	15%
Pharmacy	7	19	34%
Intensive preperations	17	54	32%
Radiology	3	32	9%
Auxilliary total	27	105	25%

Results from Plastic Waste Audit



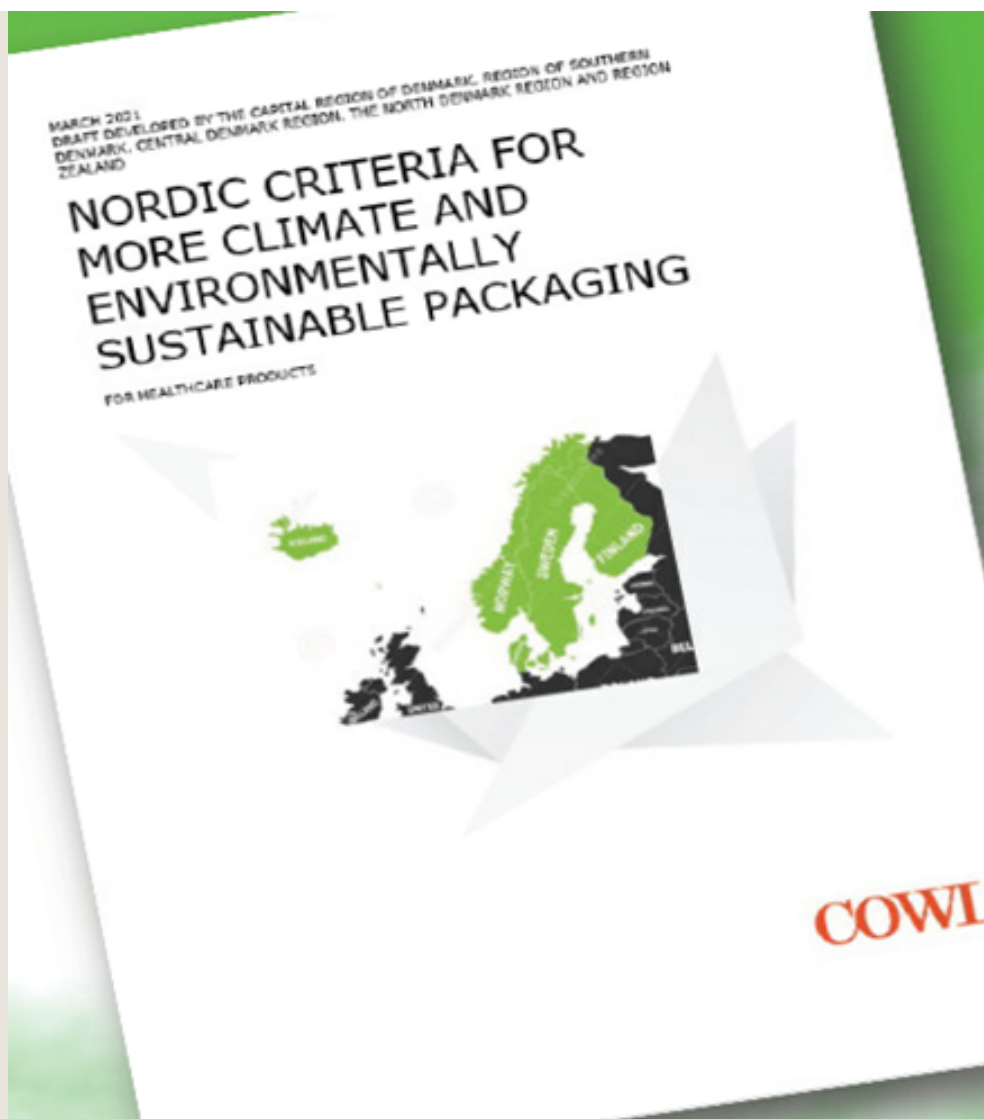
Results from Plastic Waste Audit

Kg / 48 timer



- | | |
|---|--|
| ■ Ukendt plast | ■ LLDPE (stræk-folie) |
| ■ LDPE (4) | ■ PP (5) |
| ■ Andet plast (7) | ■ PA+PE |
| ■ Kraftig scrink plast (PA+PP+EVOH) | ■ Tyvek (PE+EVA) |
| ■ PE+PET | ■ PS (6) |
| ■ Kraftig scrink plast (PP+HDPE) | ■ Ethylene Vinyl Copolymer |
| ■ PET (1) | |

If plastic waste is the problem...



.....common criteria might be part of the solution.

Planning tools

1. PLANNING PHASE

CLARIFY MANDATE FOR ENVIRONMENTAL AND CLIMATE RELATED CRITERIA

Is it possible to avoid some of the packaging?	Yes →	Request alternative solution
	No →	Request packaging where material weight and/or volume is reduced, and packaging that is reusable or made of recyclable, recycled or sustainably sourced materials
Investigate if it's possible to use reusable packaging. Can packaging be returned to the producer and be reused?	Yes →	Include criteria in tender
	No →	Request packaging based on recyclable, recycled or sustainably sourced material
Investigate how the products are used and will be delivered to the wards - e.g. what is the need in regards to number of products in the secondary packaging. Is it possible to include criteria that increases the number of products in the packaging unit, either in the secondary or tertiary packaging.	Yes →	Include criteria for how many products there must be in one packaging unit
	No →	Ask the market if it is possible to change this during the contract period
Check with the wards and local waste management how waste is source separated and if there are requirements impacting the criteria for packaging. Is there waste management requirements that impact what kind of packaging that is desirable?	Yes →	Include criteria about packaging material type
	No →	Ask the market if it is possible to change this during the contract period

Gros List of Criteria

No.	Level	Criteria	Documentation
1.1	Basis	<p>Competition criteria</p> <p>The Suppliers are to present a description of how they have previously planned, and/or during the contract period, plan to reduce the amount of packaging materials. It is weighted positively that the minimum adequate amount of weight and volume of the packaging have been reached/will be reached during the contract period.</p>	<p><i>Provide a description of how you have reduced or will reduce during the contract period the consumption of packaging. Provide the checklists and a declaration of conformity with EN 13428 (CEN, 2006). The declaration should include a description specifying that the minimum adequate amount of weight and volume of the packaging have been reached/will be reached during the contract period, and how this was/will be performed.</i></p>
	Advanced	<p>Minimum criteria</p> <p>Document packaging have been or will be reduced to a minimum according to CEN 13428's (CEN, 2006) 10 specific performance criteria or similar criteria undertaken before or during the contract period.</p>	<p><i>Provide the checklists and a declaration of conformity with EN 13428 (CEN, 2006) or similar with third party verification. The declaration should include a description specifying that the minimum adequate amount of weight and volume of the packaging have been reached/will be reached during the contract period, and how this was/will be performed.</i></p>
	Spearhead	-	-

Evaluation tool

Material		Weight (A) (to be filled in by supplier) In kg	Factor (B)	Score
Plastic incl. possibly plastic part of laminates	Virgin fossil –based fraction	<i>Weight to be filled in by supplier</i>	10	A x B
	Biobased or recycled fraction	<i>Weight to be filled in by supplier</i>	5	A x B
Cardboard /paper/wood /cellulose fibres incl. transportation pallet and other included paper materials e.g. manual ¹	Virgin	<i>Weight to be filled in by supplier</i>	1	A x B
	Recycled	<i>Weight to be filled in by supplier</i>	0,8	A x B
Metal Incl. metal folios	Virgin	<i>Weight to be filled in by supplier</i>	60	A x B
	Recycled	<i>Weight to be filled in by supplier</i>	45	A x B
Total score				Sum of above

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