



**DANISH
REGIONS**

**Nordic Criteria
for more Sustainable Packaging
in Healthcare**

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Agenda

- 1) Background and purpose
- 2) Content of the Criteria
- 3) Application
- 4) Next steps

<https://www.regioner.dk/media/21262/nordic-criteria-for-more-sustainable-packaging-march-2022.pdf>



Five Regions in Denmark

Hospitals

Psychiatry

Primary health care

- General practitioners (family doctors)

- Private specialists

- General adult dental services

- Physiotherapists

- Etc.

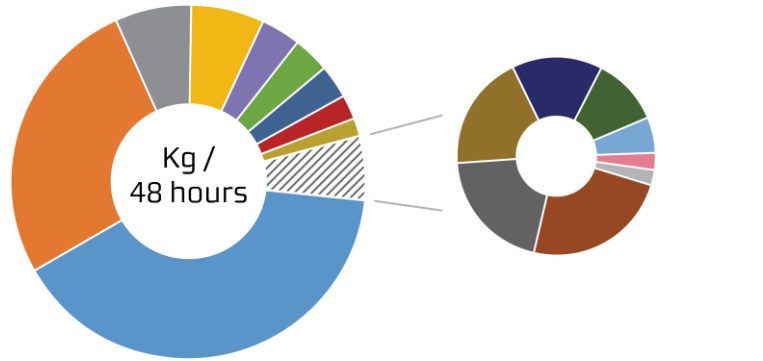
Regional development

- Environment, mobility etc.

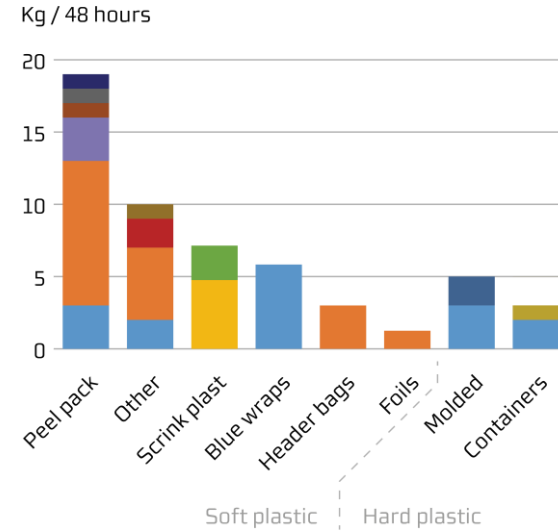


Background and purpose

Analysis of plastic packaging in 2017



- Unknown plastics
- LDPE (4)
- Other plastics (7)
- Heavy duty shrink plastics (PA+PP+EVOH)
- PE+PET
- Heavy duty shrink plastics (PP+HDPE)
- PET (1)
- LLDPE (stretch foil)
- PP (5)
- PA+PE
- Tyvek (PE+EVA)
- PS (6)
- Ethylene Vinyl Copolymer
- Soft HDPE (2)
- Thin HDPE (crackling single-use bags)
- HDPE (2)
- EPS (6)



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Supporting EU legislation



- Waste directive
- Packaging Waste Directive
- CE Package 2018
- Green Deal

Nordic Cooperation – mandate 2019



- Upstart May 2018
- Mandate November 2019
- ‘Corona-break’
- Restart 2020-21
- Webinars
- Dialogue and written hearings with Medtech Europe and Nordic Business Associations

Purpose of the Criteria

- Reduce material waste
- Design for recycling
- Recycled or sustainably sourced material content

Content of the Criteria

A 'Library' of Criteria

1. Reduce material consumption

- 1.1 Reduce material
- 1.2 Weight and material information
- 1.3 Environmental burden of packaging (Annex A)
- 1.4 Minimize metal use

2. Design for recycling

- 2.1 Limit variety of plastic types
- 2.2 Increase recyclability
- 2.3 Document recyclability
- 2.4 Avoid labels that harm recyclability

3. Recycled or sustainably sourced material content

- 3.1 Reduce the environmental burden of plastic packaging material
- 3.2 Avoid deforestation from unsustainable card-board.

Reduce material consumption

No.	Level	Criteria	Documentation
1.1 Reduce material	Basic	<p>Minimum criteria</p> <p>The Suppliers are to present a strategy or plan on how they have previously, and/or plan to reduce the amount of packaging materials.</p>	<p><i>Provide a strategy or plan on how you have reduced or will reduce amount of packaging materials.</i></p>
	Advanced	<p>Competition criteria</p> <p>Description and documentation of how 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). 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	-	-

Design for recycling

No.	Level	Criteria	Documentation
2.1 <i>Limit variety in plastic types</i>	Basic	Minimum criteria If the tertiary packaging is plastic, then PE (LDPE, HDPE, LLDPE), PP or transparent PET shall be used for the main component (more than 95% of the total weight of the package).	<i>Declaration of conformity.</i>
	Advanced	Minimum criteria If the tertiary and/or secondary packaging is plastic, then PE (LDPE, HDPE, LLDPE), PP or transparent PET shall be used for the main component (more than 95% of the total).	<i>Declaration of conformity.</i>
	Spearhead	Minimum criteria If any packaging is plastic, then PE (LDPE, HDPE, LLDPE), PP or transparent PET should be used for the main component (more than 95% of the total).	<i>Declaration of conformity.</i>

Recycled or sustainably sourced material content

No.	Level	Criteria	Documentation
3.1 <i>Reduce the environmental burden of plastic packaging material</i>	Basic	-	-
	Advanced	<p>Minimum criteria</p> <p>If the tertiary packaging is plastic:</p> <ul style="list-style-type: none"> > Minimum 50% of the tertiary packaging is produced from recycled plastic or biobased plastic¹ <p>¹ Biobased should be PE (LDPE, HDPE, LLDPE), PP, PET and have a have a chain of custody certification (e.g. RSB, Bonsucro or similar) or stem from secondary/tertiary resources</p>	<p><i>No documentation needed in the tender material.</i></p> <p><i>After the contract agreement has been signed, documentation should be provided, if requested by the contracting authority. The documentation should be provided in accordance with ASTM D6866, EN16785-1 or similar for biobased content and/or EN15343, ISO 22095 or similar for recycled content.</i></p>
	Spearhead	<p>Minimum criteria</p> <p>If the tertiary and/or secondary packaging is plastic:</p> <ul style="list-style-type: none"> > Minimum 50% of the secondary and tertiary packaging is produced from recycled plastic or biobased plastic¹ <p>¹ Biobased should be PE (LDPE, HDPE, LLDPE), PP, PET and have a chain of custody certification (e.g. RSB, Bonsucro, or similar) or stem from secondary/tertiary resources</p>	<p><i>No documentation needed in the tender material.</i></p> <p><i>After the contract agreement has been signed, documentation should be provided, if requested by the contracting authority. The documentation should be provided in accordance with ASTM D6866, EN16785-1 or similar for biobased content and/or EN15343, ISO 22095 or similar for recycled content.</i></p>

Criteria 1.3. Environmental burden of packaging – Scoring model Annex A

Scoring model - principles

- Principles
 - Reduce packaging weight
 - Cardboard over plastic over metal
 - Recycled over virgin



Scoring model

Weight x Environmental factor for materials

$$\text{Total score} = A \times B_{\text{plastic}} + A \times B_{\text{cardboard}} + A \times B_{\text{metal}}$$

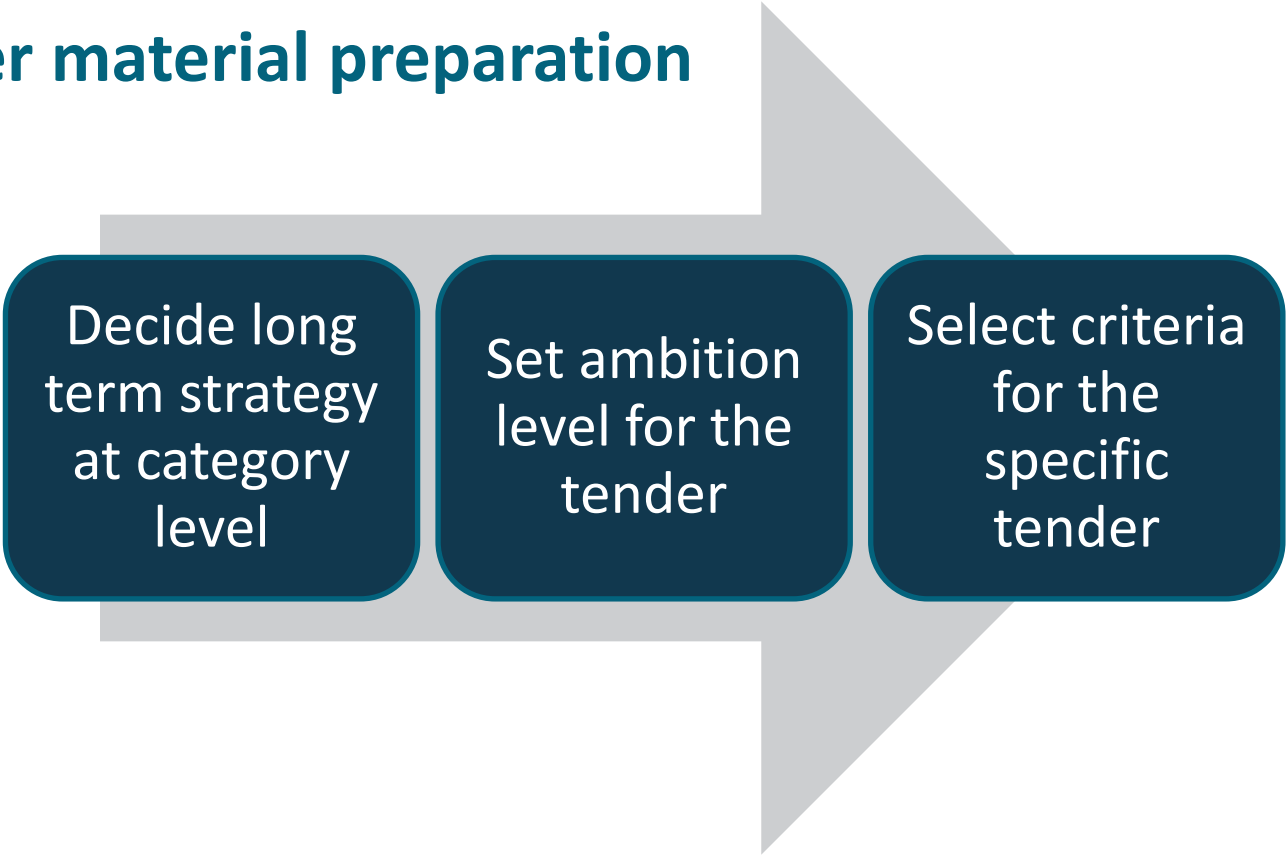
- Specify the weight of the total packaging (primary, secondary and tertiary) for one unit, e.g. EU pallet 120 cm high
- Low score will be weighted positively
- In case of many products in a tender, only specify five most voluminous products.
- ‘Factor B’ is based on LCA screening of specific groups of materials.
- Re-useable packaging like EU pallets counts zero.

Annex A - Scoring model

Material			Weight (filled by tenderer) Specify in kg (A)	Factor (given by contracting authority – cannot be changed) (*B)	Score
Plastics	Virgin fossil-based	Virgin plastic produced from fossil fuels	<i>Tenderer, specify weight here</i>	5	$A \times B$
	Biobased	Bio-based plastic is defined as bio-based, but not oxo- or biodegradable polymers.	<i>Tenderer, specify weight here</i>	3	$A \times B$
	Recycled	Mechanically recycled plastics is defined as products/packageging with 100% recycled plastic.	<i>Tenderer, specify weight here</i>	4	$A \times B$
Cellulose based material	Virgin	Virgin fibres are produced from 100% new fibres.	<i>Tenderer, specify weight here</i>	3	$A \times B$
	Recycled or sustainably sourced	100% recycled/sustainably sources fibres.. Sustainably sourced is e.g. FSC or PFEC certified	<i>Tenderer, specify weight here</i>	2	$A \times B$
Metals	Virgin	Virgin metals are fully produced from primarily, raw material sources.	<i>Tenderer, specify weight here</i>	22	$A \times B$
	Recycled	100% recycled content.	<i>Tenderer, specify weight here</i>	7	$A \times B$
Overall score					<i>SUM of the above</i>

APPLICATION OF CRITERIA

Tender material preparation



Decide long
term strategy
at category
level

Set ambition
level for the
tender

Select criteria
for the
specific
tender

On-going tenders in Denmark

- Bed Protection paper
- Stoma Products
- Infusion – and transfusionsets
- Knee Implants
- Minimally Invasive Surgery
- Irrigation Fluids

Plan for application in Norway 2022:

196 tenders Medical equipment and consumables, ex:

- Wound care
- Gloves
- Gowns
- PVK
- Procedure Kits
- Infusion Equipment
- Intensive Care
- ...

NEXT STEPS

Next steps

- Joint Nordic Webinar 21st of June – status
- Nordic Council of Ministers
- Health Care Without Harm
- EU + UK/NHS
- 2023 – follow-up and adjustments

Playground Randers Regional Hospital, Denmark in cooperation with Kompan

