RecyClass Unwrapped

Role of EPRs for plastics circularity

Moderated by
Paolo Glerean | Head of Sales and Marketing of Aliplast | RecyClass Chairman

20 October 2021

RecyClass

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THE KEY ROLE OF EPRs TO ACCELERATE THE TRANSITION THROUGH THE CIRCULARITY

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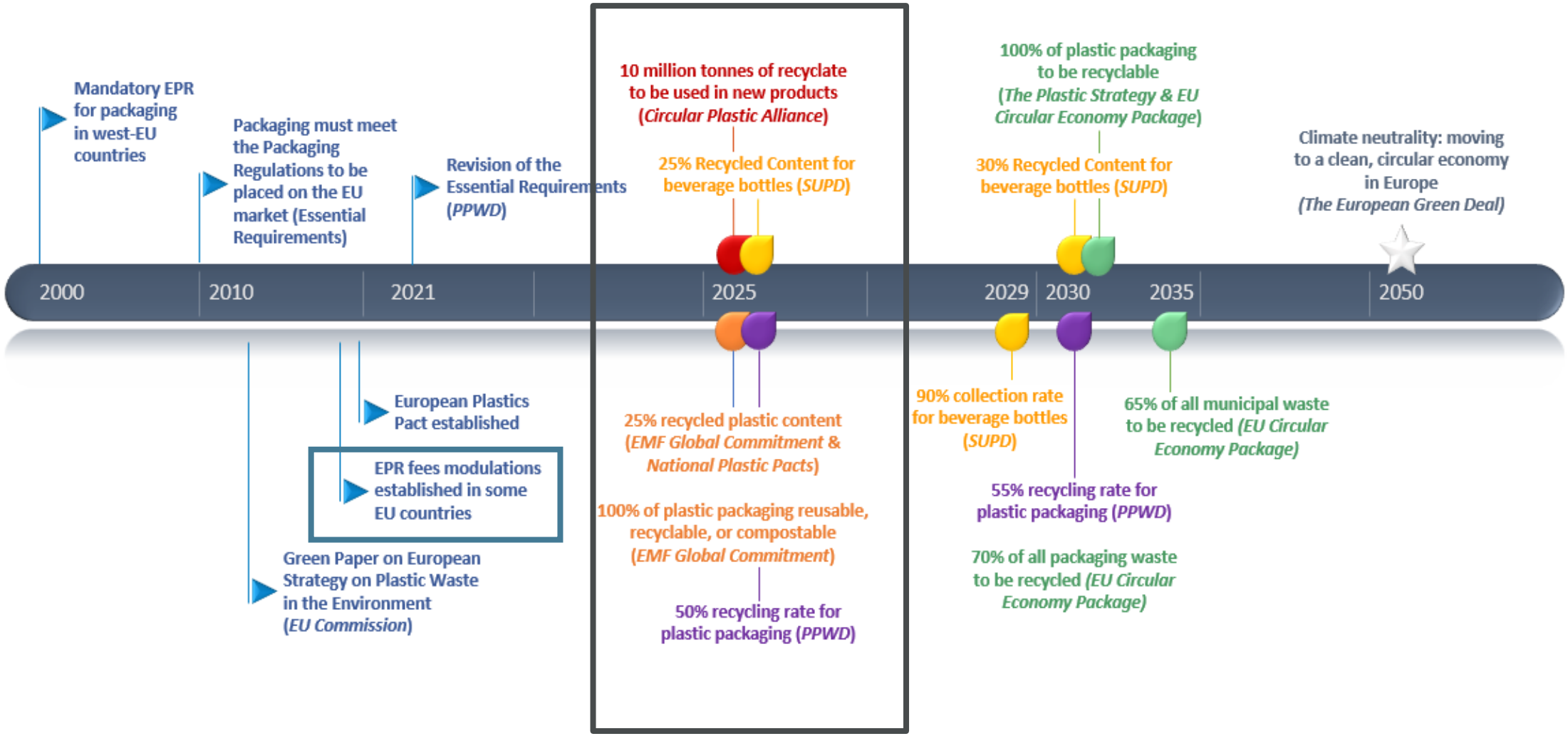
fabrizio.digregorio@plasticsrecyclers.eu
RecyClass Unwrapped Webinar – 20/10/2021

RecyClass | THE PLASTIC CIRCULARITY JOURNEY



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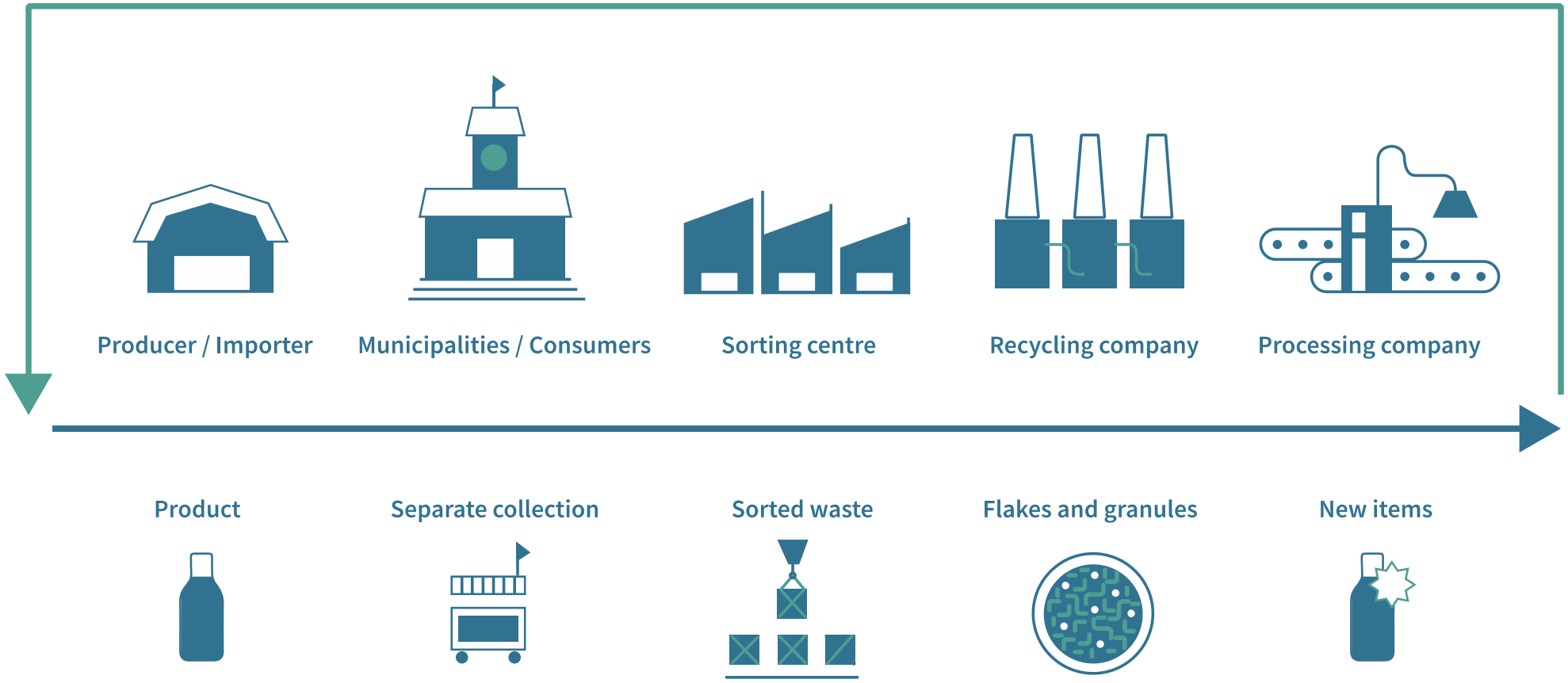
RECYCLING IS POSSIBLE ONLY IF THE SUPPLY CHAIN EXISTS



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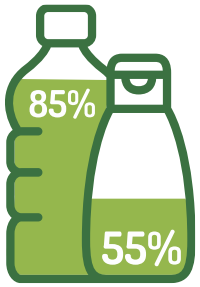


RECYCLABILITY

- Testing Protocols
- DfR Guidelines
- Recyclability Methodology
- Online-Tool
- Recyclability Certifications

RECYCLED CONTENT

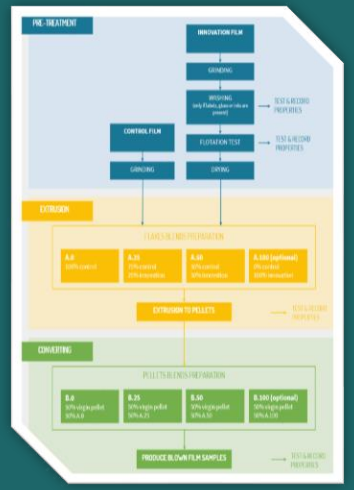
- Recycled Plastics calculation (controlled blending approach)
- Recycled Plastics Traceability Certification

✓ Trustworthy Logos and Use of Claims Guidance document

RecyClass | HARMONIZATION

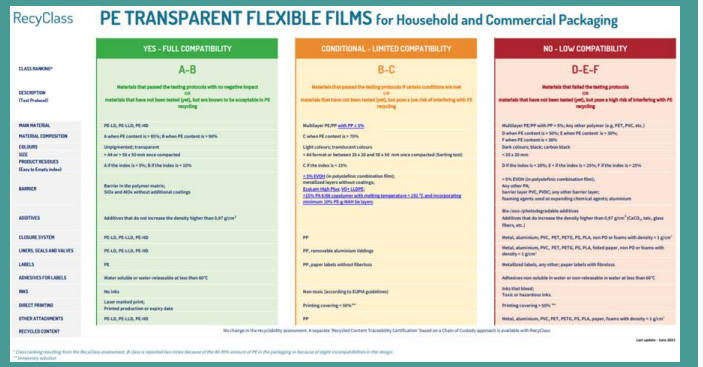
- **<u>Harmonised Evaluation Protocols and Design Guidelines are essential to:</u>**
  - ✓ Provides clear direction for design for recyclability policies within brands;
  - ✓ Strengthens and gives credibility to the message;
  - ✓ Provides for effective communication with stakeholders.

RECYCLABILITY EVALUATION PROTOCOLS



- **Lab testing** of innovative plastic packaging vs control material
- Comparison of properties
- **Technology/Product Approval**

DESIGN FOR RECYCLING GUIDELINES



- Design guide & recommendations for plastic packaging
- Design for Recycling (DfR) Guidelines transposed in the tool
- Assessing **overall recyclability** of a finished package

RecyClass | ECO-MODULATION

Fact-based DfR guidelines are key for a reliable eco-modulation

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PE COLOURED FLEXIBLE FILMS for Household and Commercial Packaging

	YES - FULL COMPATIBILITY	CONDITIONAL - LIMITED COMPATIBILITY	NO - LOW COMPATIBILITY
CLASS RANKING*	A-B	B-C	D-E-F
DESCRIPTION (Test Protocol)	Materials that passed the testing protocols with no negative impact OR materials that have not been tested (yet), but are known to be acceptable in PE recycling	Materials that passed the testing protocols if certain conditions are met OR materials that have not been tested (yet), but pose a low risk of interfering with PE recycling	Materials that failed the testing protocols OR materials that have not been tested (yet), but pose a high risk of interfering with PE recycling
MAIN MATERIAL	PE-LD, PE-LLD; PE-HD	Multilayer PE/PP with PP ≤ 5%	Multilayer PE/PP with PP > 5%; Any other polymer (e.g. PET, PVC, etc.)
MATERIAL COMPOSITION	A when PE content is > 95%; B when PE content is > 90%	C when PE content is > 70%	D when PE content is > 50%; E when PE content is > 30%; F when PE content is < 30%
COLOURS	light colours; translucent colours	NIR-detectable dark colours (Sorting test)	Non NIR-detectable dark colours
SIZE	> A4 or > 50 x 50 mm once compacted	< A4 format or between 20 x 20 and 50 x 50 mm once compacted (Sorting test)	< 20 x 20 mm
PRODUCT RESIDUES (Easy to Empty index)	A if the index is < 5%; B if the index is < 10%	C if the index is < 15%	D if the index is < 20%; E < if the index is < 25%; F if the index is > 25%
BARRIER	Barrier in the polymer matrix; SiOx and AlOx without additional coatings	< 5% EVOH (in polyolefinic combination film); metallized layers without coatings; EcoLam High Plus; VO+ LLDPE; <15% PA 6/66 copolymer with melting temperature < 192 °C and incorporating minimum 10% PE-g-MAH tie layers	> 5% EVOH (in polyolefinic combination film); Any other PA; barrier layer PVC, PVDC; any other barrier layer; foaming agents used as expanding chemical agents; aluminium
ADDITIVES	Additives that do not increase the density higher than 0,97 g/cm³		Bio-/oxo-/photodegradable additives Additives that do increase the density higher than 0,97 g/cm³ ($CaCO_3$, talc, glass fibers, etc.)
CLOSURE SYSTEM	PE-LD, PE-LLD, PE-HD	PP	Metal, aluminium, PVC, PET, PETG, PS, PLA, non PO or foams with density < 1 g/cm³
LINERS, SEALS AND VALVES	PE-LD, PE-LLD, PE-HD	PP, removable aluminium liddings	Metal, aluminium, PVC, PET, PETG, PS, PLA, foiled paper, non PO or foams with density < 1 g/cm³
LABELS	PE	PP, paper labels without fiberloss	Metallized labels, any other; paper labels with fibreloss
ADHESIVES FOR LABELS	Water soluble or water-releasable at less than 60°C		Adhesives non-soluble in water or non-releasable in water at less than 60°C
INKS	No inks	Non-toxic (according to EUPIA guidelines)	Inks that bleed; Toxic or hazardous inks.
DIRECT PRINTING	Laser marked print; Printed production or expiry date; printing covering < 50%**	printing covering > 50% **	
OTHER ATTACHMENTS	PE-LD, PE-LLD, PE-HD	PP	Metal, aluminium, PVC, PET, PETG, PS, PLA, paper, foams with density < 1 g/cm³
RECYCLED CONTENT	No change in the recyclability assessment. A separate 'Recycled Content Traceability Certification' based on a Chain of Custody approach is available with RecyClass		

Last update - June 2021

*Class ranking resulting from the RecyClass assessment. B class is reported two times because of the 90-95% amount of PE in the packaging or because of slight incompatibilities in the design.
**temporary solution

RECYCLABILITY CLASSES

CLASS A
The packaging does not pose any recyclability issues and the recycled plastics can potentially feed a closed-loop scheme to be used in the same quality application.

CLASS B
The packaging has some minor recyclability issues that slightly affect the quality of the recycled plastic generated. However, majority of recycled plastics from this packaging can still potentially feed a closed loop.

CLASS C
The packaging presents some recyclability issues that affect the quality of the recycled plastics or lead to material losses during recycling. In the first case the recycled plastic could be used in a cascade open-loop scheme, whereas in the latter case the plastic could potentially feed a closed loop scheme.

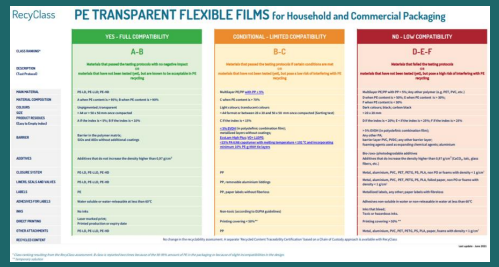
CLASS D
The packaging has significant design issues that highly affect its recyclability or imply large material losses. In both cases the recycled plastic can only be fed into low-value applications (i.e. the packaging will be downcycled).

CLASS E
The packaging has major design issues that jeopardize its recyclability or imply severe material losses. The packaging is not considered recyclable and can only be used in incineration with energy recovery.

CLASS F
The package is not recyclable at all, either because of fundamental design issues or a lack of specific infrastructure for collection, sorting and recycling in EU28+2.

RecyClass | CERTIFICATION

DESIGN FOR RECYCLING GUIDELINES



- Design guide & recommendations for plastic packaging
- Design for Recycling (DfR) Guidelines transposed in the tool
- Assessing **overall recyclability** of a finished package

RECYCLASS TOOL

RecyClass A ABCDEF RECYCLABILITY

- Recyclability Self-Assessment
- RecyClass Team support

RECYCLABILITY CERTIFICATION

- Recyclability **Assessment** by recognized Certification Bodies
- Logos + Use of Claims guidance

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WHAT MAKES A PRODUCT **RECYCLABLE** ?

The product must be **made with plastic that is collected** for recycling, has market value and/or is supported by a legislatively mandated program.

The product must be **sorted & aggregated into defined streams** for recycling processes.

The product **can be processed & reclaimed/recycled** with commercial recycling processes.

The recycled plastic becomes a raw material that **is used in the production of new products.**

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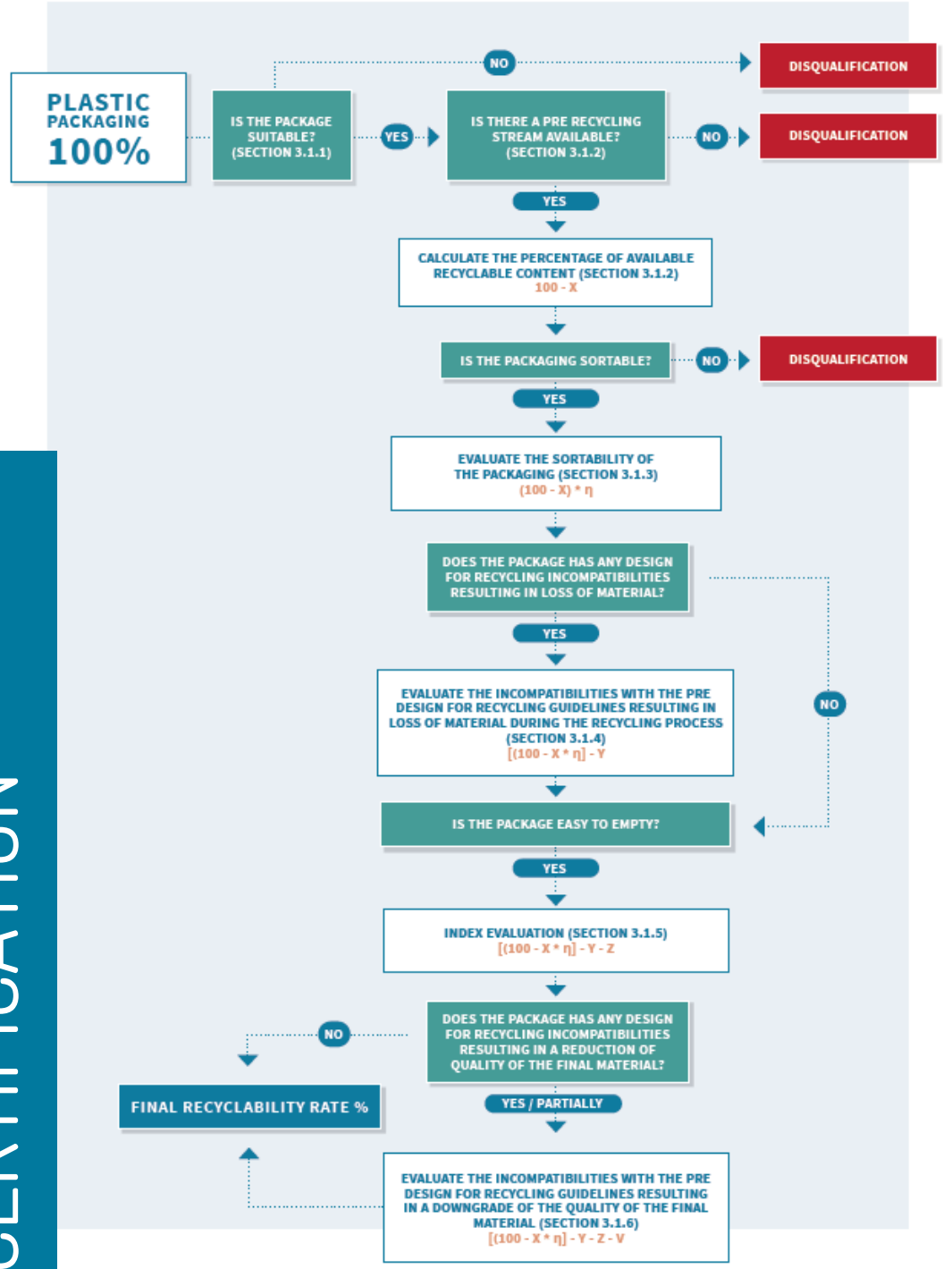
RECYCLABILITY RATE CERTIFICATION



COLLECTION & LOCAL INFRASTRUCTURE

SORTABILITY *(SORTING PROTOCOL)*

RECYCLABILITY *(RECYCLABILITY PROTOCOLS & DfR GUIDELINES)*

END MARKET: ABILITY IN REPLACING VIRGIN PLASTIC

RecyClass

RECYCLABILITY RATE CERTIFICATE

THIS CERTIFIES THAT

PRODUCT NAME
BRAND NAME

LEGAL COMPANY NAME AND ADRESS

The product and equivalent products listed in Annex I were assessed and certified according to RecyClass Recyclability Methodology (version 1.0 and Design for Recycling Guidelines (Feb. 2021), hereby obtaining the following recyclability rate and class:

90%

RECYCLABILITY

The value represents the proportion of material in the packaging that is recoverable and valuable for the recycling stream.

A

ABCDEF

The certificate and its result are valid for: France, Germany, Spain and Italy

Audit Report and Certificate Registration Code:

Date of issue of Certificate:

Date of expiration of Certificate:

CERTIFIED BY:

NAME OF AUDITOR

Title of auditor

CERTIFICATION NAME

Certification adress

RECYCLABILITY RATE ASSESSMENT

- Use of the RecyClass logo (on-pack, BtC)
- Endorsement of recyclability claims by RecyClass

RecyClass | DESIGN FOR RECYCLING CERTIFICATION

RecyClass

DESIGN-FOR-RECYCLING CERTIFICATE

THIS CERTIFIES THAT

PRODUCT NAME
PRODUCT BRAND

LEGAL COMPANY NAME AND COMPANY ADRESS

The product and equivalent products listed in Annex I were assessed and certified according to RecyClass Recyclability Methodology (version 1.1), hereby obtaining the following recyclability class:

ABCDEF

Audit Report and Certificate Registration Code:
XXX-XX-00

Date of issue of Certificate:
05/2021

Date of expiration of Certificate:
05/2026

*Validity conditions and terms of use may be found in the Audit Scheme documents.

CERTIFIED BY:

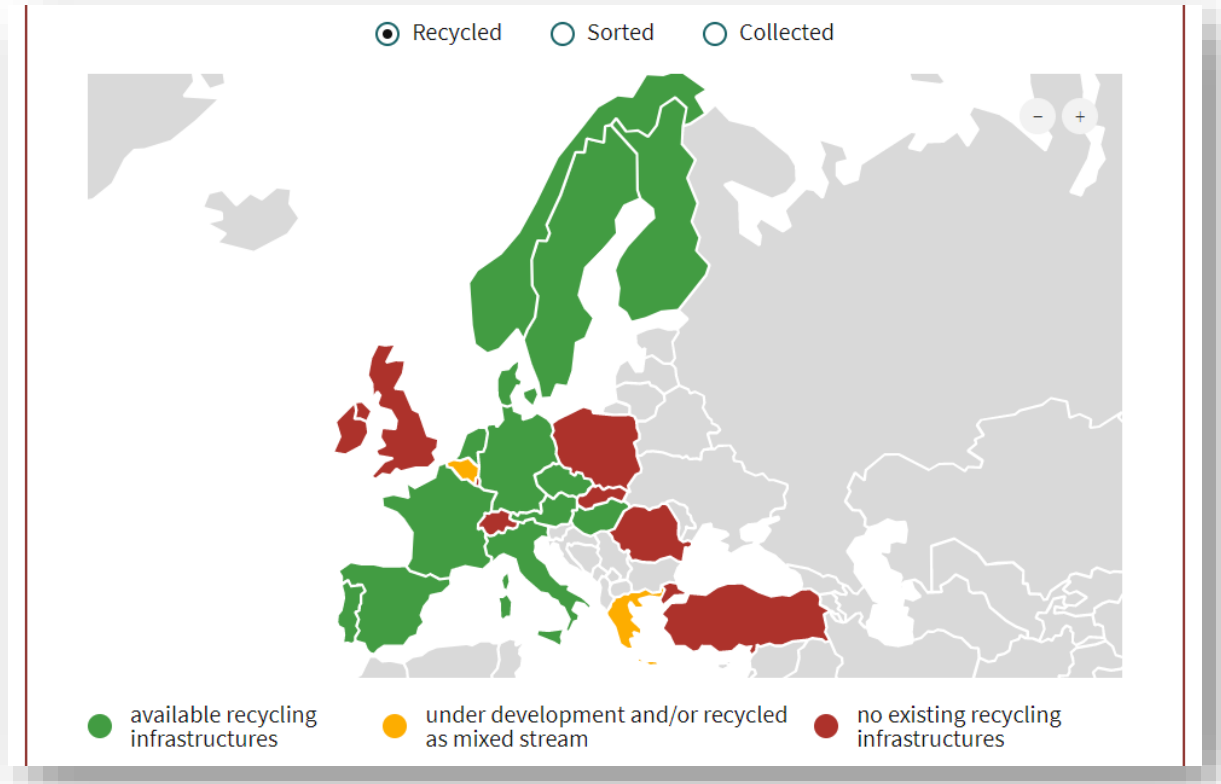
NAME OF AUDITOR
Title of the auditor

CERTIFICATION NAME
Certification adress

PAGE 1/X

DESIGN FOR RECYCLING ASSESSMENT

- Class ranking from A to F
- Sorting and recycling compatibility are evaluated
- Use of the RecyClass logo for BtB and BtC (under limitations)[1]
- Endorsement of recyclability claims[1] by RecyClass



Detailed information online

1. According to the ***Use of Claims Guidance & Logo Use Guidelines*** document (*NB*: the rate assessment will lead to additional claims.)

Thank you for your attention

RecyClass

PLASTICS FUTURE IS CIRCULAR

Expra
Extended Producer Responsibility Alliance

EPR as tool for plastic packaging circularity

Monika Romenska
Regulatory & PA Manager

RecyClass Unwrapped

22 September 2021
20 October 2021
17 November 2021
9 December 2021

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Expra
Extended Producer Responsibility Alliance

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Extended Producer Responsibility Alliance

EXPRA in a nutshell

8 years existence

27 MEMBERS & Partners all industry-owned, non-profit

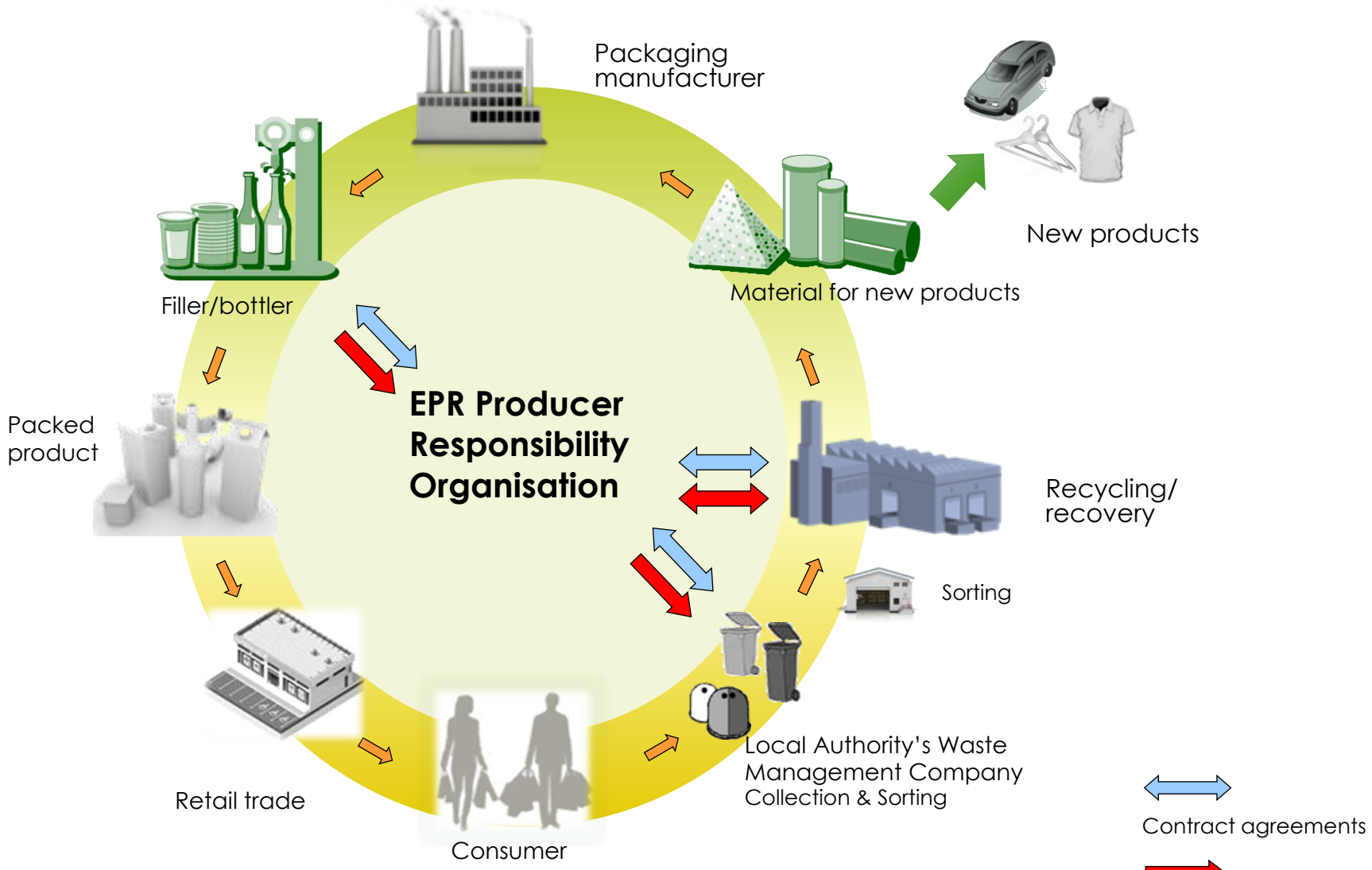
HAVE over **25** YEARS of experience and expertise in the waste management field

PROVIDE over **200** MILLION PEOPLE with packaging collection, sorting and recycling infrastructure

ENSURE RECYCLING AND RECOVERY of over **20** MILLION TONNES of packaging every year

EPR's role in a circular economy

Operational **AND** financial responsibility

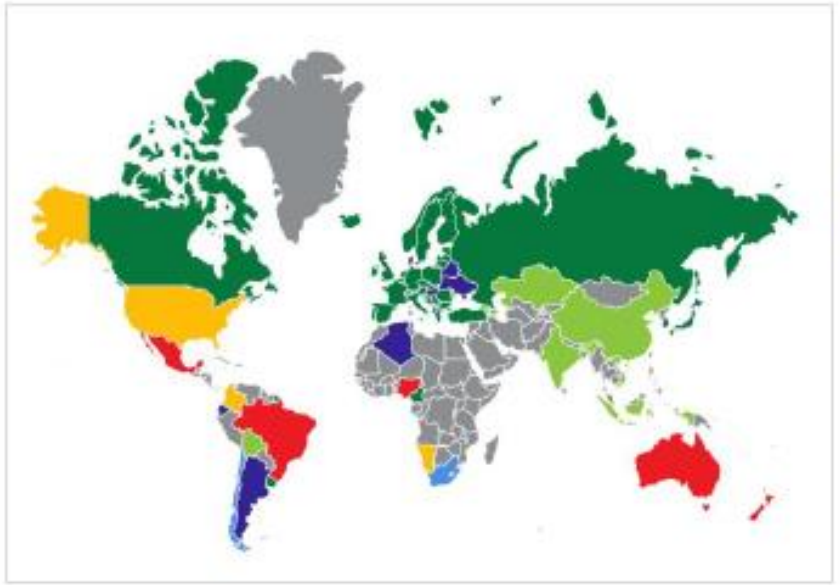


5th Anniversary Expra Extended Producer Responsibility Alliance

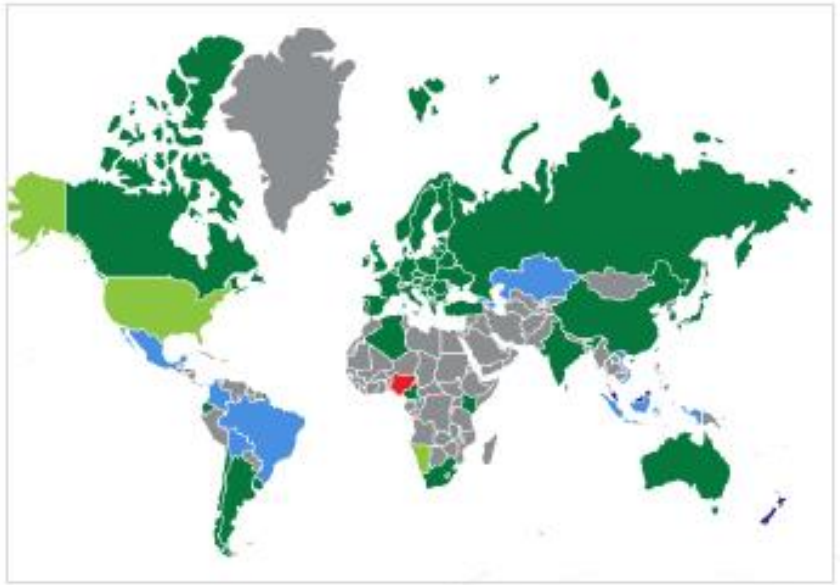
EPR LANDSCAPE EVOLVING AT FAST PACE

Packaging EPR in 2000

Packaging EPR in 2020



Packaging EPR in 2025



- Mandatory EPR
- Voluntary EPR
- Limited EPR
- EPR framework
- Emerging EPR framework
- Emerging EPR legislation

EPR - several ways of implementation

EPR System in hands of obliged industry (BE, ES, IT, NL, NO, CZ, FR, IE, LU)	**Competing PROs** (DE, AT, PT, LT, SV, SK, PL, RO, BG, ….)	**'Tradable Credits' Model with several traders** (UK)	**Several PRO's sharing infrastructure** (DE, AT)	**PROs acting in different areas** (BG)
PROs have established parallel infrastructure (EE)	**Operational responsibility fully with local authorities** (FR, NL, CZ)	**Collection and sorting with local authorities** (BE, ES, IT)	**EPR system in parallel to a deposit system** (DE, NO, SE, FI, EE, LT)	**One comprehensive system for all (household) packaging** (e.g. BE, FR, ES, IT)
No EPR for commercial packaging (DE, FR, ES)	**Same rules for all packaging** (e.g. IT, CZ, SK, RO)	**Dual system approach** (e.g. DE, AT, BE, SE)	**Shared cost approach** (e.g. IT, ES, FR)	**Incentive cost approach** (UK)

Obliged entity are fillers (and importers) (e.g. DE, AT, SE)	**Obliged entity is the packaging producer (and the importers)** (IT)	**Obliged entity is the whole value chain by percentages** (UK)	**Special EPR system(s) for commercial packaging** (e.g. BE, AT)

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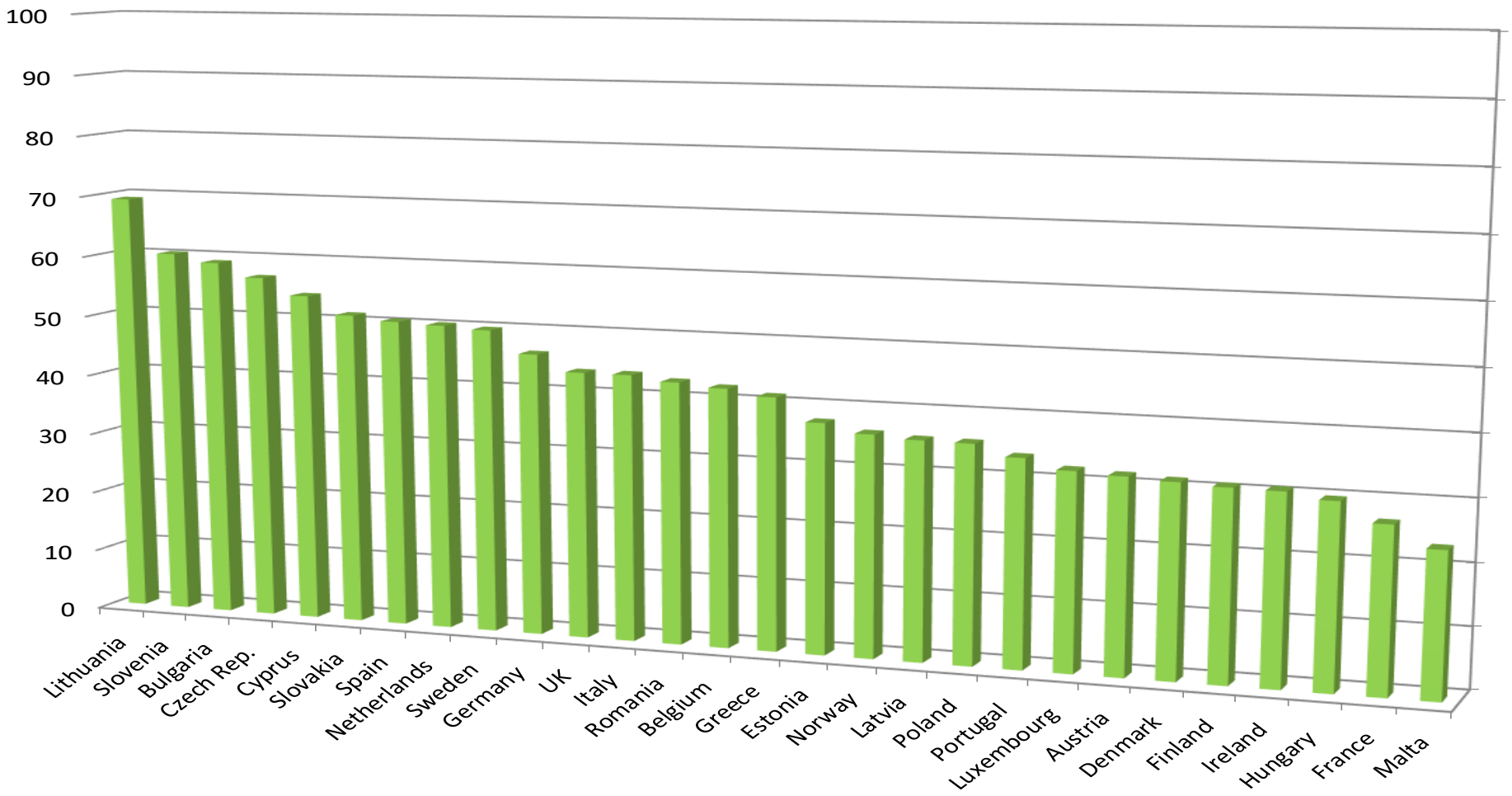
Plastic Recycling Quotas in 2018

Old measurement point – no check of reporting



New MP means between 10% and 30% less performance

Waste Framework Directive (2018) – Learnings for EPR

Article 8a

Sets out general, minimum requirements for EPR with regards to:

- Roles and responsibilities
- Target compliance
- Increased Reporting
- Equal treatment of producers
- Information & communication
- Transparency
- full (necessary) cost coverage
- Eco-modulation of fees
- Monitoring and enforcement
- Independent Oversight in case of competition
- EU & National Dialogue platforms

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Plastics policies and legislation

Comparing targets

	PPWD	SUP	EU Plastics Strategy	Circular Plastics Alliance	European Plastics Pact
Targets	**65% recycling of all packaging waste by 2025**	**77% collection of plastic beverage bottles by 2025**	By 2030, all plastics packaging placed on the EU market is either reusable or can be recycled in a cost-effective manner	**By 2025, 10 million tonnes of recycled plastics to be used in European products**	**By 2025, all single-use plastics products and packaging will be reusable or at least 100% recyclable**
	70% recycling of all packaging waste by 2030	**90% collection of plastic beverage bottles by 2029**	By 2025, 10 million tonnes of recycled plastics find their way into new products on the EU market		Net reduction in use by 2025 compared to 2017
	50% recycling of plastic packaging by 2025	**25% of recycled content in plastic beverage bottles by 2025**			**At least 70% of all single-use plastics products are recycled to a high standard**
	55% recycling of plastic packaging by 2030	**30% of recycled content in plastic beverage bottles by 2030**			**30% recycled content in single-use plastic products and packaging by 2025**
					Specific targets for: PET bottles 55%; Milk bottles 45%; PE bottles 30%, PET trays 55%; PP PTTs 20%; PE films 18%

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Characteristics in countries on track to meet 2025 plastic packaging recycling target

- Mature systems in place with good communication to citizens on how to recycle.
- A structured national approach to collect all plastic packaging, rather than having an uncontrolled market where only higher value streams are targeted.
- Supportive national legal framework in place providing certainty and ensuring a level playing field where there are multiple PROs in the country.
- All plastic packaging collected at households (bottles, non bottle rigids, flexibles).
- A structured and managed approach taken to the roll out of household plastics collections with sorting and recycling infrastructure considered as part of the process.
- Consideration given to sorted centre output grades to maximise recycling levels from collected plastic waste and ensure downstream demand.
- Actions already taken to increase plastic packaging recycling rates, or a clear plan is in place.

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Example actions to meet the plastic packaging target

- Fost Plus (Belgium) and Valorlux (Luxembourg): roll out of expanded household plastic collections to include non bottle rigids and flexibles.
- FTI (Sweden) and Fost Plus (Belgium): continued development of sorting infrastructure to maximise recovery of different polymer / formats for recycling.
- RINKI (Finland) and FTI (Sweden): expansion of household plastic collection coverage for larger apartment blocks / bring points and kerbside respectively.
- Valipac (Belgium): targeted interventions to increase commercial and industrial plastics collections and remove potential barriers, for example with respect to use of recycled content.

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Additional plastic packaging waste for recycling

	2018 (kt)	2025 (kt)
Sorted plastic packaging waste for recycling	6 955	11 040
Percentage exported	23%	11%
Input to recyclers EU+3	5 339	9 826

- **2018:** Based on CPA *State of Play Report*.
- **2025:** Based on modelling done for packaging in the CPA *Untapped Potential Report*. Assumptions: 50% plastic recycling target met in 2025 at new measurement point, exports of plastic waste reduce at a rate of 10% per annum.

Figures for EU+ 3 (UK, Norway, Switzerland).

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But now? How to speed up?

- Fast national implementation of the 2018 Waste Legislation to provide investment clarity and security
- Establishment of necessary structures of the authorities to monitor and enforce especially in case of competing PROs (“independent authority”)
- Taking decisions on the PRO Level to provide investment security to build the needed infrastructure (“Belgium example”)
- Packaging Value Chain delivering (CPA, CEFLEX, HolyGrail 2.0, CGL, 4EverGreen etc.)
- All other stakeholders doing their part as well (like municipalities)
- National and EU authorities ready to fix bugs and loopholes (start of the MANDATORY EPR dialogue platforms (national and EU wide))

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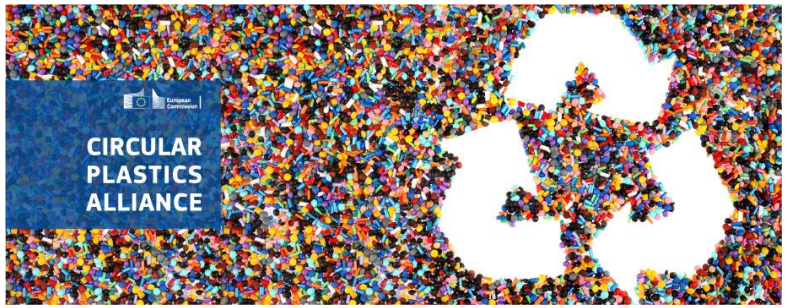
Packaging Value Chain

Continue and increase the collaborative approaches to increase the circularity of packaging like

- HolyGrail 2.0 - Pioneering Digital Watermarks for a Circular Economy
- CEFLEX - DRIVING TOWARDS CIRCULAR ECONOMY
- Close the Glass Loop - bringing together the entire glass packaging ecosystem
- 4EverGreen - Perfecting circularity together
- Circular Plastics Alliance – voluntary pledge for 10 Mio t recyclates



CIRCULAR FIBRE FORWARD
4ever green

CEFLEX
A CIRCULAR ECONOMY FOR FLEXIBLE PACKAGING

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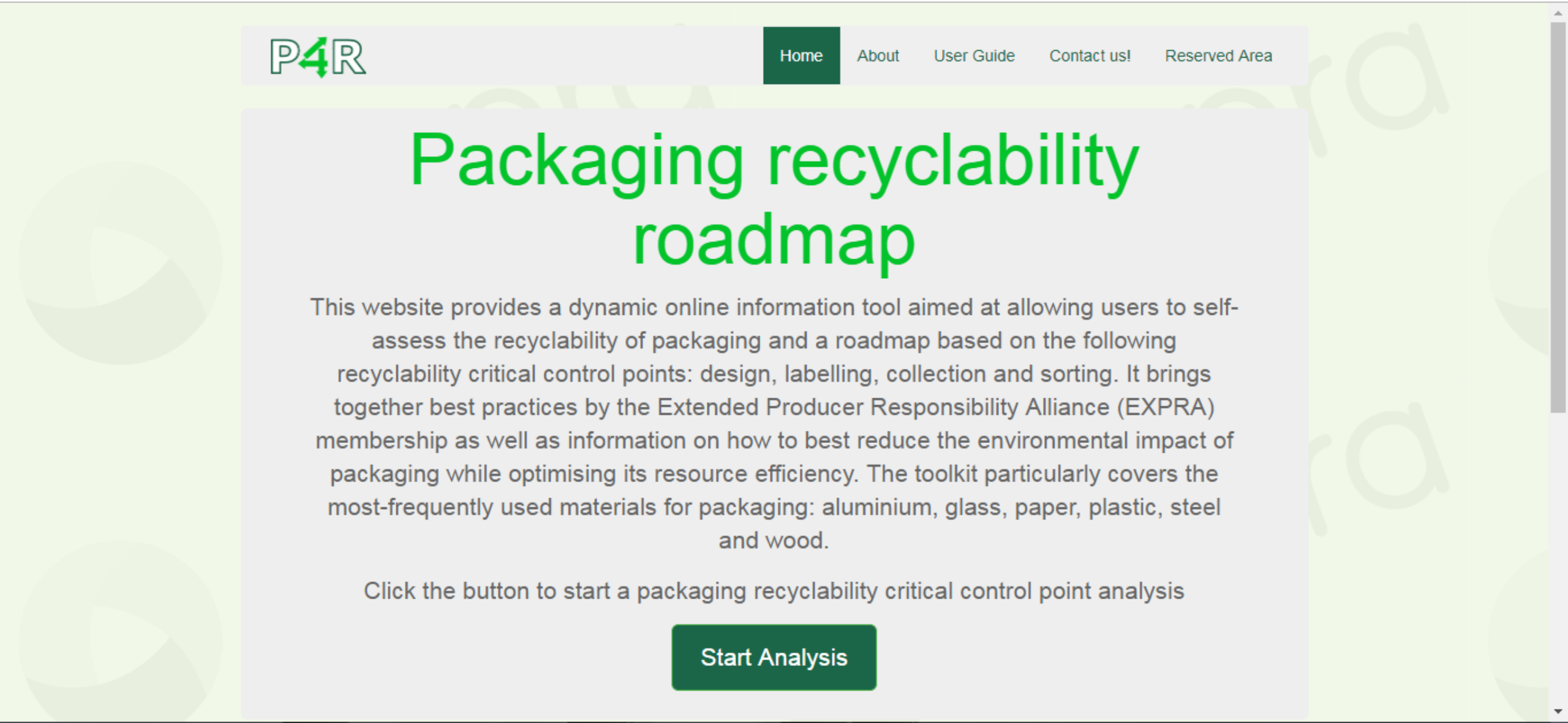
HolyGrail 2.0
Intelligent Sorting

EXPRA P4R Packaging for recycling



CONAI

Italy, Stewardship tender 2018

400 thousand € aimed at rewarding the most innovative and eco-friendly packaging solutions placed on the market in 2016-2017 biennium.

www.conai.org/en/prevention/thinking-about-the-future/stewardship-tender/, www.ecotoolconai.org

ECOEMBES

Spain, 'LIBERA, nature without littering'

A project created by the environmental NGO, SEO / BirdLife, in partnership with Ecoembes with the objective of raising awareness and mobilizing citizens to keep the natural spaces free of littering.

www.proyectolibera.org

AFVALFONDs/KIDV

Netherlands, Improve packaging recyclability

Website on tips and tricks to improve the recyclability of packaging: plastic, glass, metal, paper/board and wood.

www.recyclability.kidv.nl

FOST PLUS

Belgium, Eco packaging tools

A kit of websites helping industries to assess the environmental impact of their packaging **www.preventpack.be, www.pack4recycling.be, www.pack4ecodesign.org**

VALIPAC

Belgium, Sustainable Packaging Platform

Improve sustainable packaging decisions with the right information on the right place
www.go4sustainablepackaging.org

Are you labelling the packaging correctly?

ÉEQ

Canada, Pack Play2 Design competition

A student packaging design competition with the objective to gather the best packaging eco design projects.

www.facebook.com/Packplay2/

EKOKOM

Czech Republic, Seminars on packaging prevention.

At least 12 big seminars per years for clients explaining them legislation and standardization for prevention and minimization in detail trough showing the best results from other companies.

www.ekokom.cz

Grønt Punkt Norge

Norway, Labelling for recycling

Packaging labels that remind the consumer to recycle. Includes material specific pictograms in print quality and visual guides on correct labelling.

www.grontpunkt.no/medlemskap/emballasjemerking/english/

VALORLUX

Luxemburg, The Trophéco award

Award that rewards and promotes sustainable and eco-friendly packaging sold in Luxembourg.

www.tropheco.lu/en

What`s next?

- Revision of the PPWD in 2022/2023
- New “Essential Requirements” especially to define recyclability and to ensure that only reusable and/or recyclable packaging is put on the market from 2030
- Further recycled content targets for further packaging
- Defining (chemical) recycling?
- Further restrictions for exporting plastic waste
- Reduction consumption targets?
- Directive or Regulation?
- Harmonizing separate collection? Colors? Labels? The way?
- Implementing Act for fee modulation?

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PARTNERSHIP IS KEY TO SUCCESS

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Litter prevention: based on 5 pillars

Infrastructure

Communication

Enforcement

Participation

Environment

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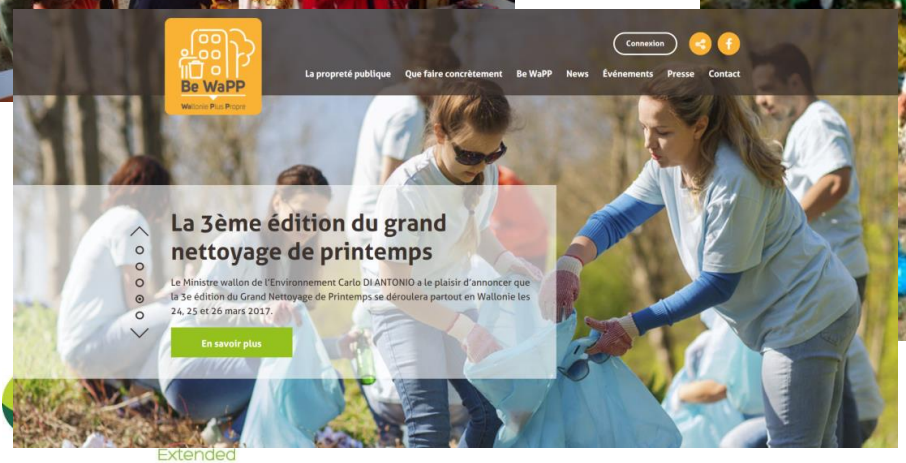
Awareness-rasing, eduaction and communication campaigns – only all together we can succeed!

Let's do it!

LIBERA
NATURALEZA SIN BASURA

KLEINE DAAD
GROOT RESULTAAT
MOOIMAKERS.BE



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Contact

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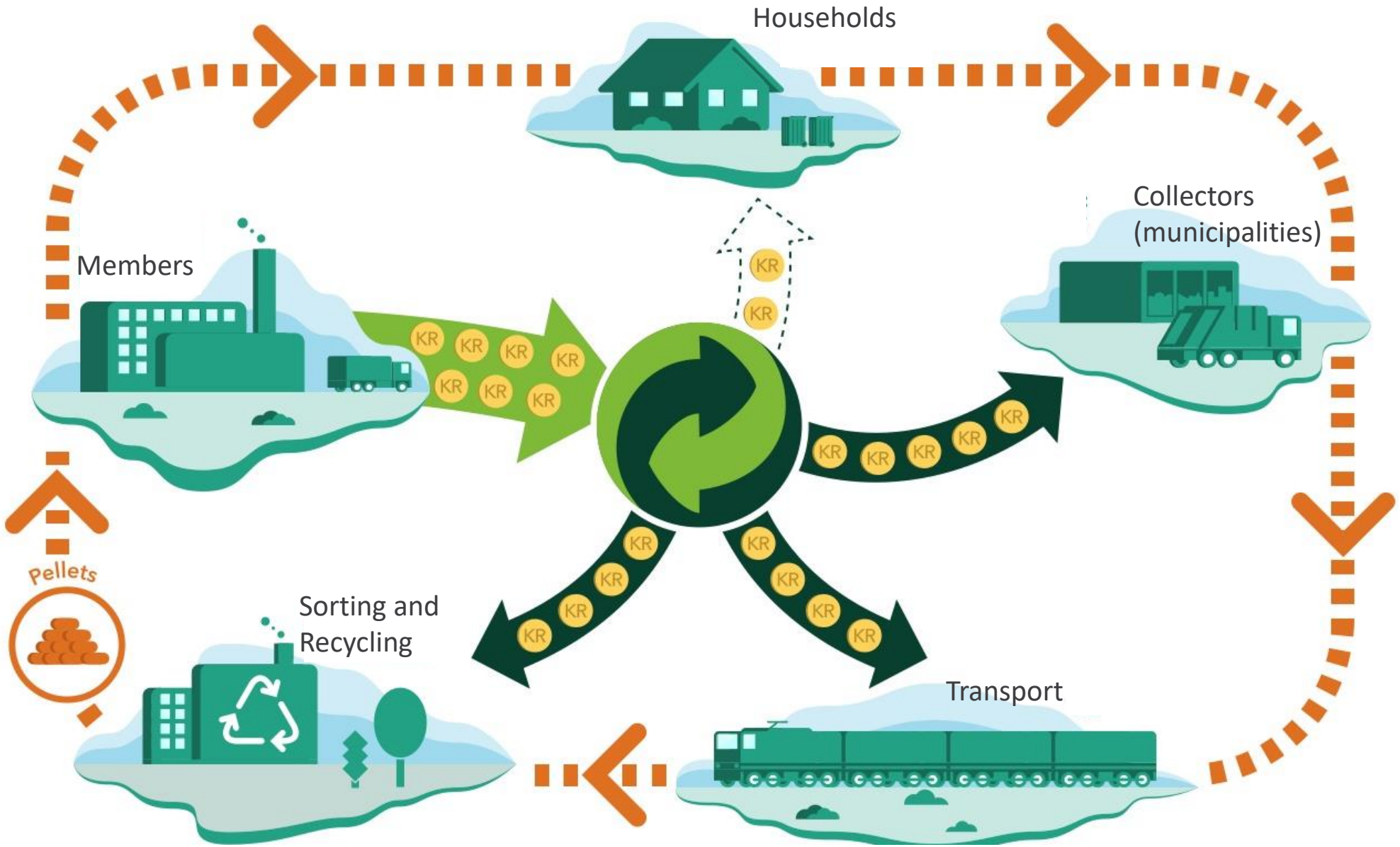
Efforts to achieve circular packaging in Norway

Dr. Johannes Daae
Head of Development Grønt Punkt Norge
Associate professor at Produkt Design - OsloMet



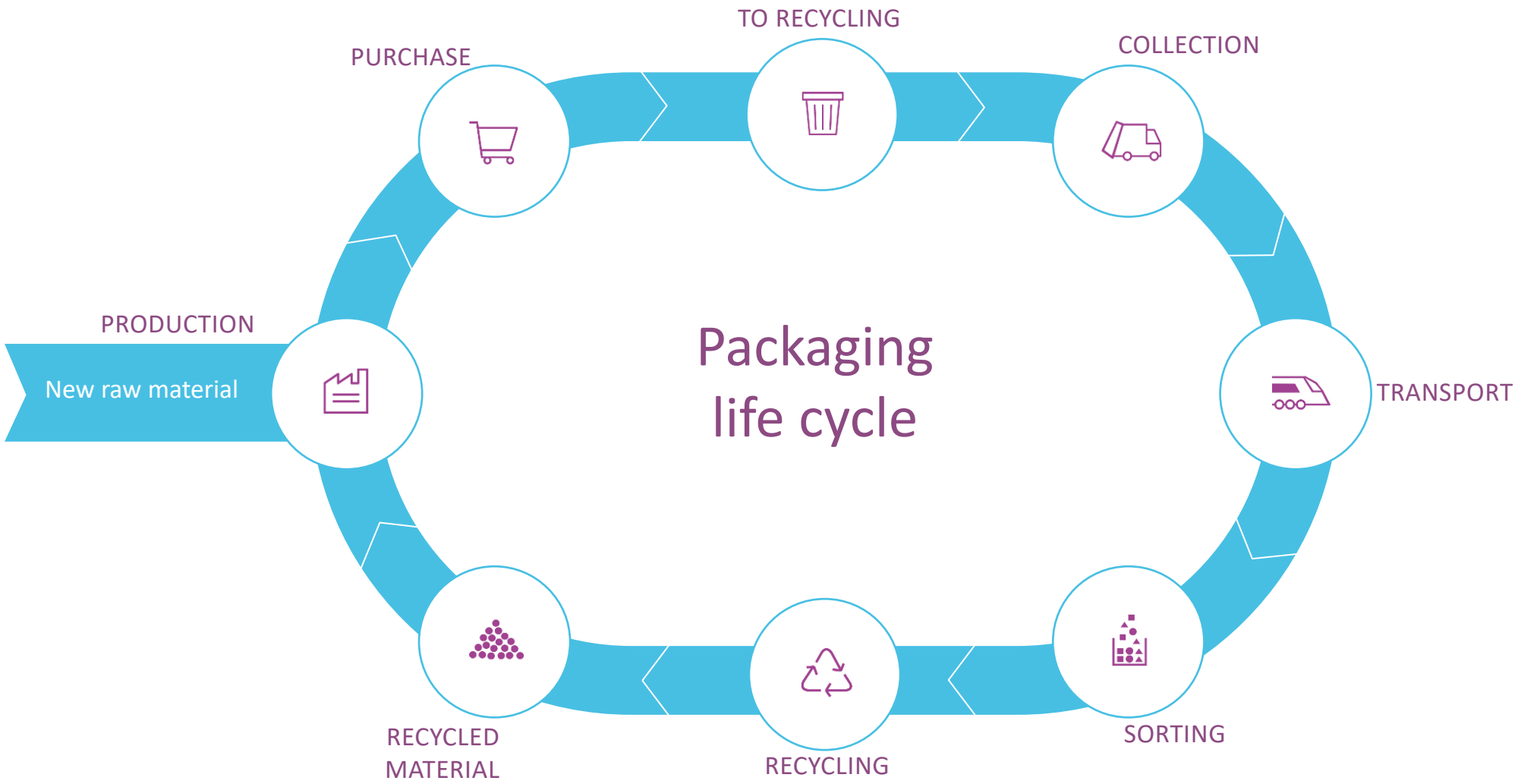
Grønt Punkt Norge

Recyclability targets of plastic packaging in Norway

2019: 30% (sorted)
2020: 30% (recycled)
2025: 50%
2030: 55%

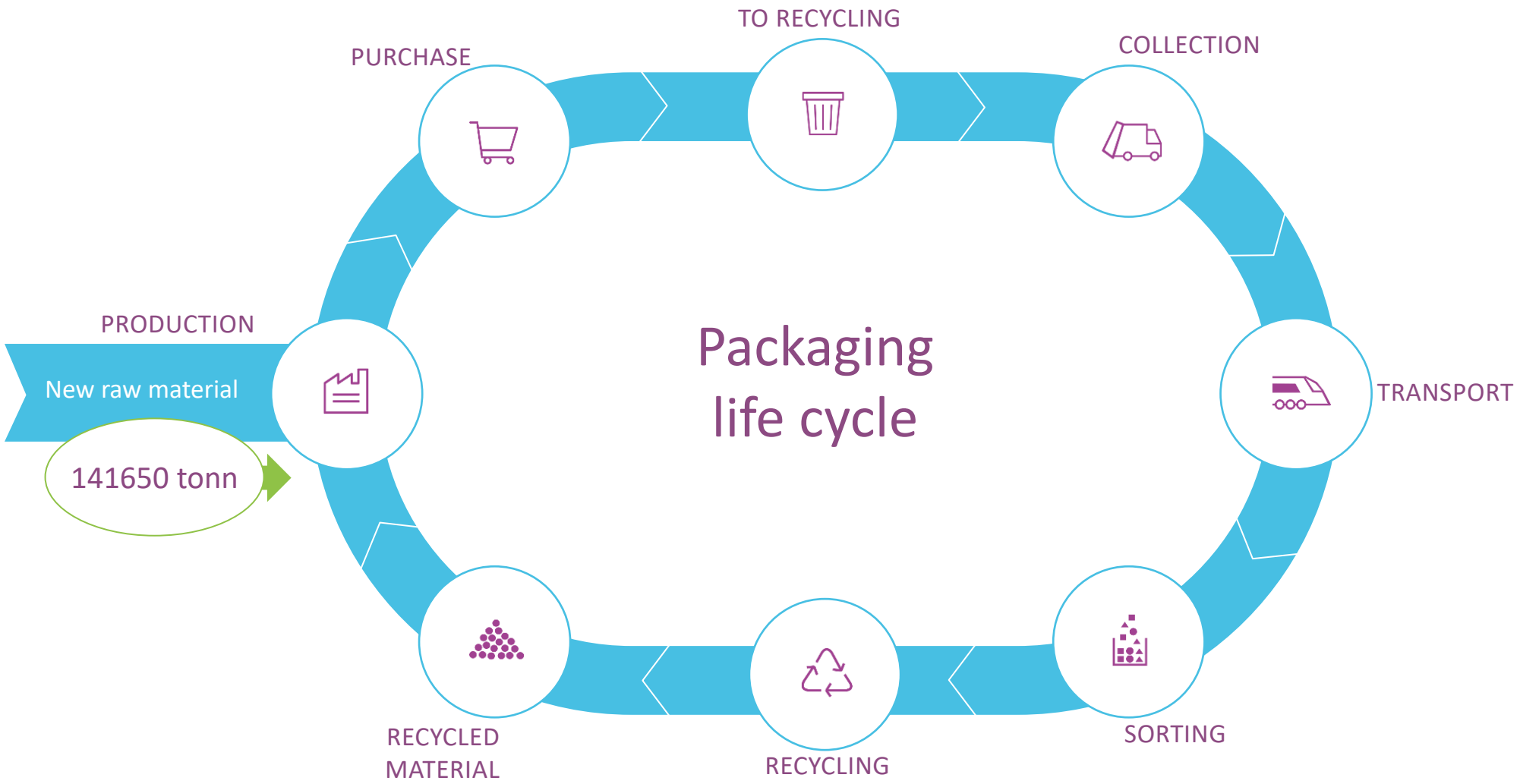
Grønt Punkt Norge

Plastic packaging 2020



Grønt Punkt Norge

Plastic packaging 2020



Grønt Punkt Norge

INFINITUM

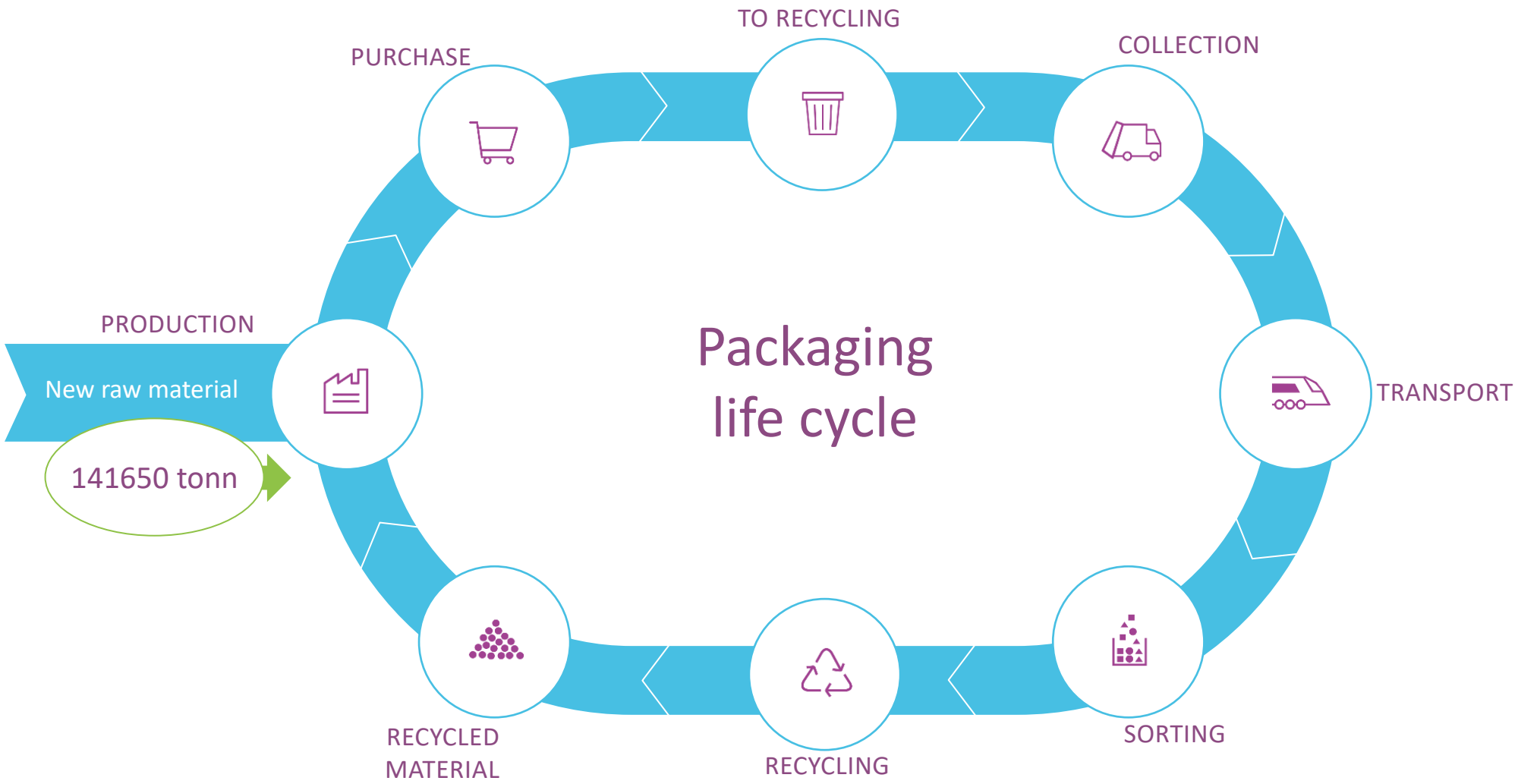
PET beverage bottle deposit system

Collection rates 2020:

Deposit system	92%	21970 t
Source separation system	5,7%	1363 t
Total	97,7%	23332 t

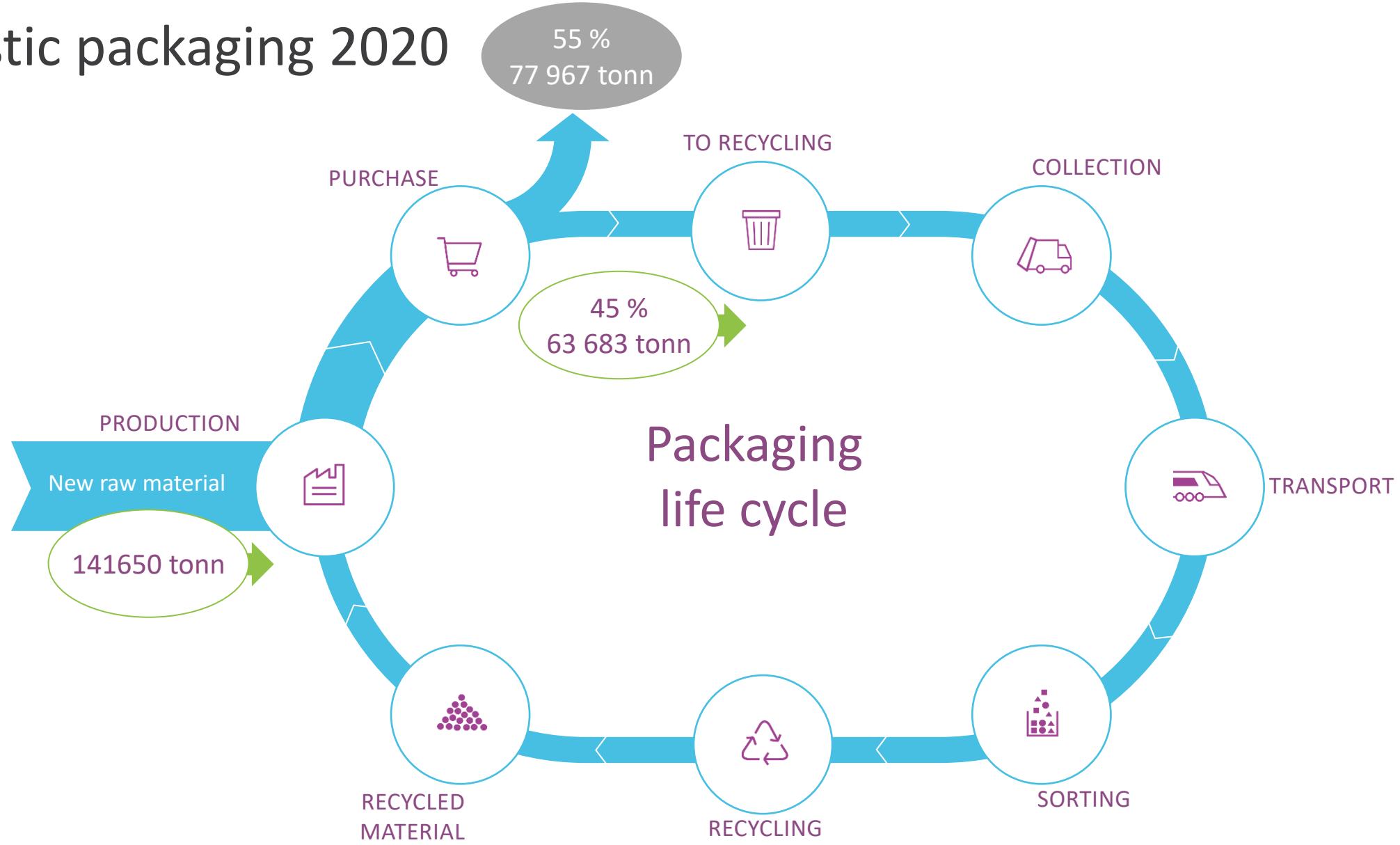
Grønt Punkt Norge

Plastic packaging 2020



Grønt Punkt Norge

Plastic packaging 2020



Grønt Punkt Norge

Grønt Punkt Norge

Drikkekartong

Kartong, papp og papir

Plast

Glass

Metall

Restavfall

Farlig avfall

Grønt Punkt-symbolet

Last ned alle merker

Last ned denne siden

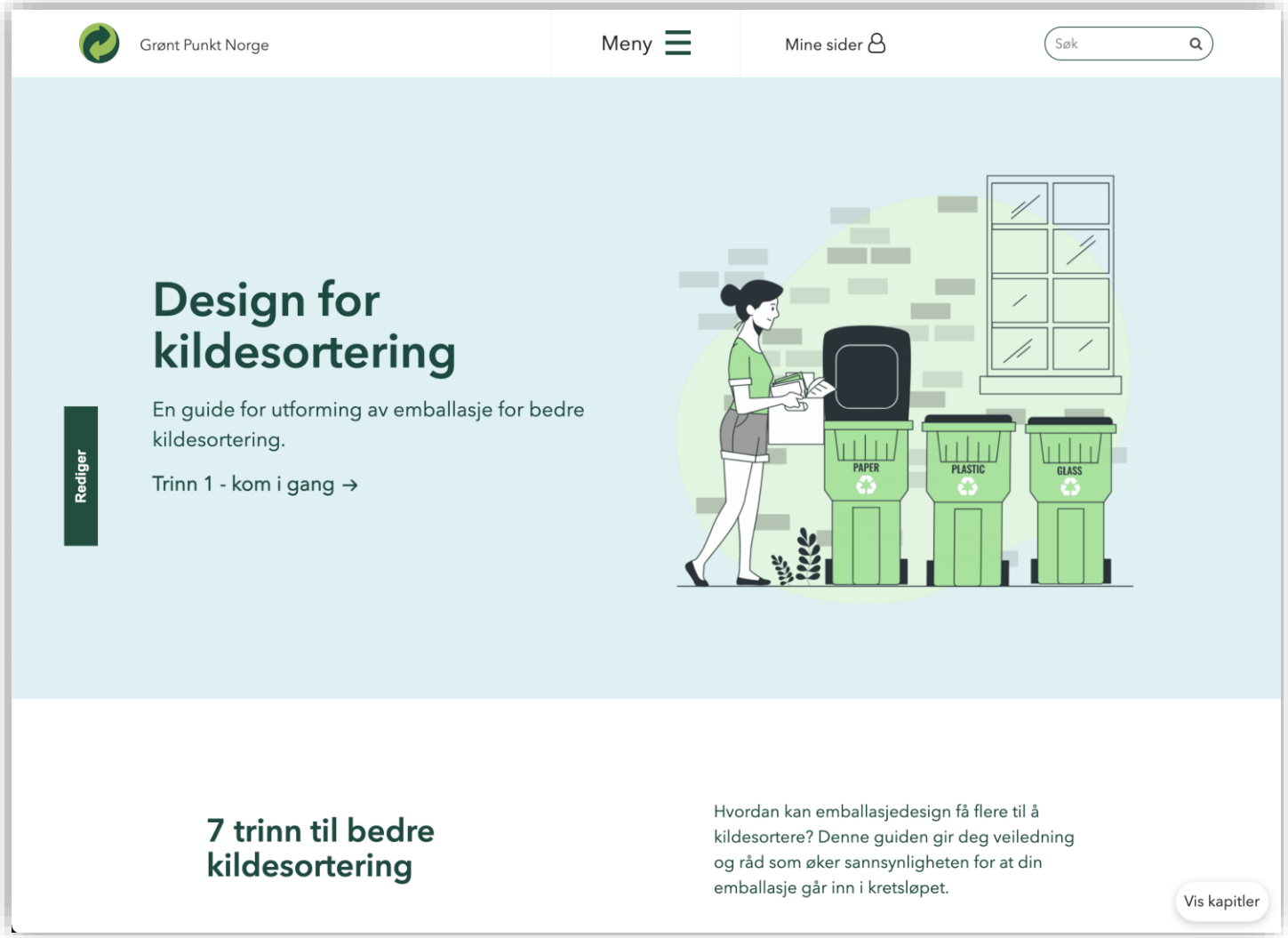
Hvorfor merke emballasjen?

Bedrifter som sender emballerte produkter på markedet er forpliktet til å sikre resirkulering av emballasjen. Når piktogram er trykket på emballasjen, vil dette gi en ekstra påminnelse til daglig sortering og dermed økte mengder riktig sortert emballasje. Emballasjen bør også merkes med med Grønt Punkt-symbolet for å tydeliggjøre at det er betalt vederlag og dermed tatt miljøansvar i et godkjent retursystem.

De nye piktogrammene som nå vil tas i bruk på emballasje er de samme merkene som kommer på alle avfallsbeholdere, returpunkter og miljøstasjoner og erstatter piktogrammer og avfallssymboler som har vært i bruk i over 20 år. De nye merkene er basert på det danske, utviklet i 2017. Det har vært viktig å benytte de samme fargene og ligge tett opptil deres illustrasjoner for å sikre et felles nordisk system. Nye emballasjemerker er tverrfaglig forankret i retur- og avfallsbransjen, ledet av Avfall Norge og Loop.

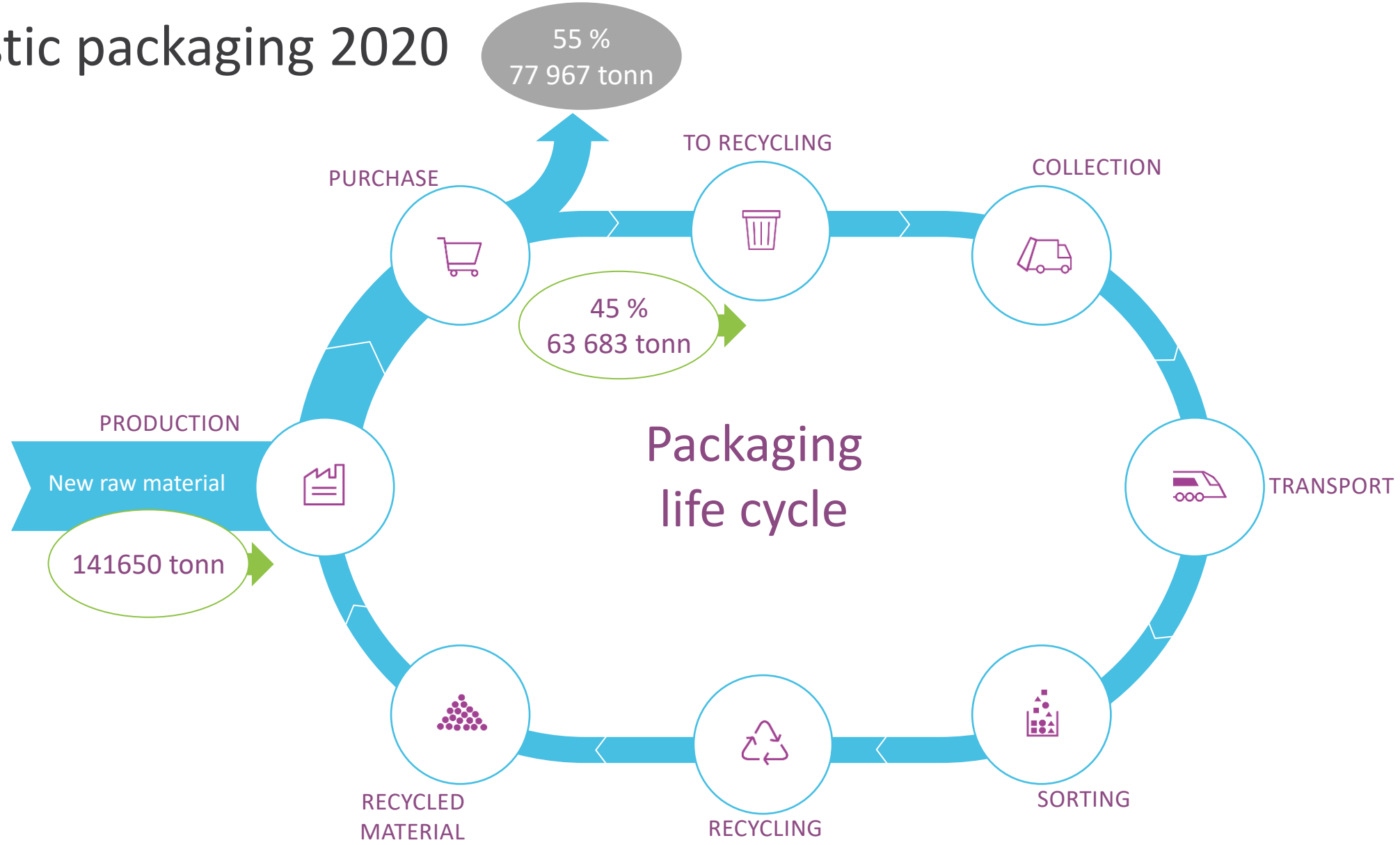
Grønt Punkt Norge

Romantica tomat
Frisk sødme. Aromatisk, saftig og kjøttfull.
Tips og næringsinnhold på baksiden.
BAMA Gruppen AS, Pb. 263, 0614 Oslo. bama.no
Bør oppbevares i romtemperatur.
Nettovekt: 400 g. Klasse I.
Opprinnelsesland: Spania
Pakkeri: 04/B-04323887
Lot nr.: D1026407M11
7 072631 000059
Sorter begeret som papp, folien som plast
SEASON
Romantica tomat
Frisk sødme. Aromatisk, saftig og kjøttfull.
Tips og næringsinnhold på baksiden.
BAMA Gruppen AS, Pb. 263, 0614 Oslo. bama.no
Bør oppbevares i romtemperatur.
Nettovekt: 400 g. Klasse I.
Opprinnelsesland: Spania
Pakkeri: 04/B-04323887
Lot nr.: D1026407M11
7 072631 000059
Sorter begeret som papp, folien som plast



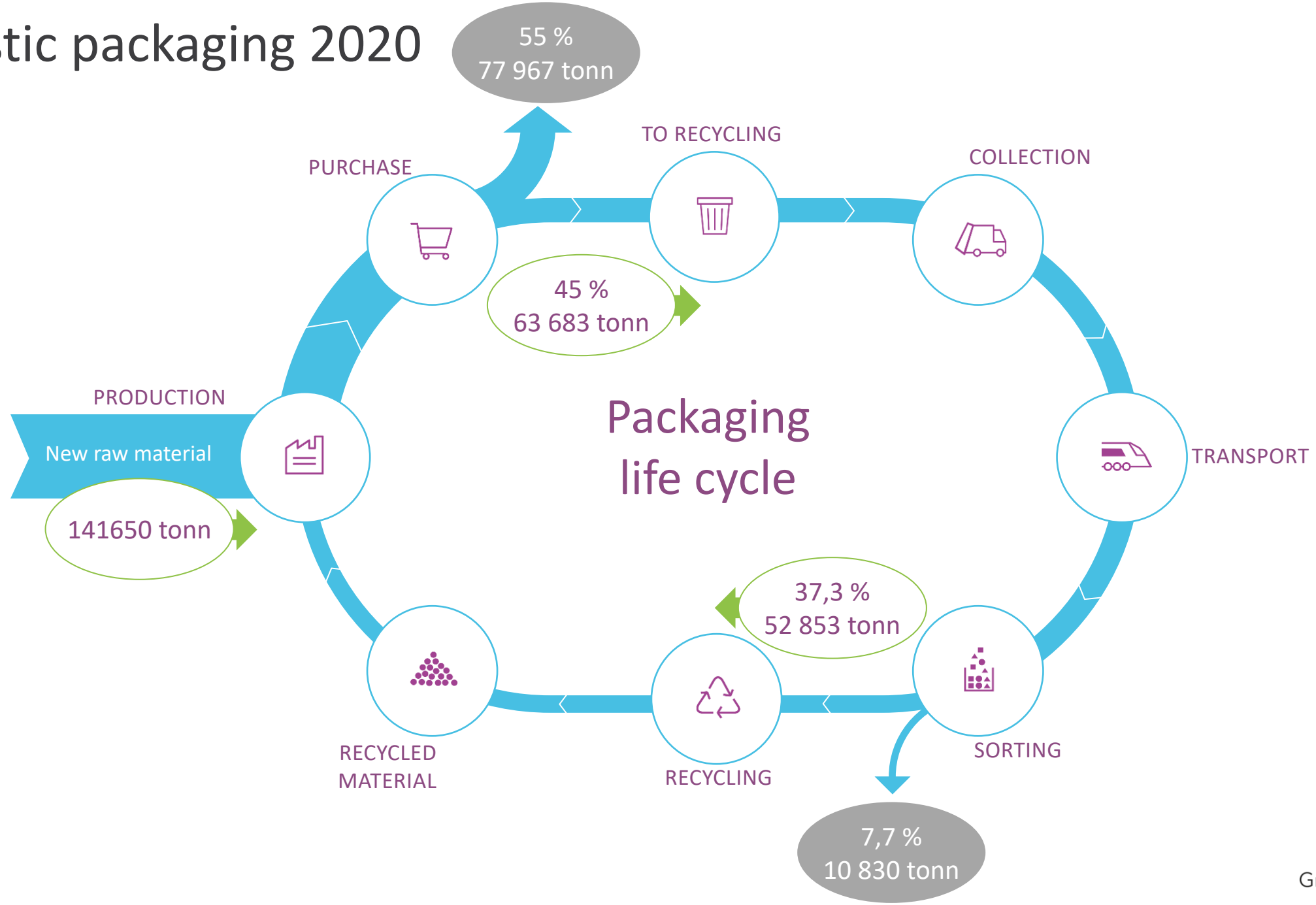
Grønt Punkt Norge

Plastic packaging 2020



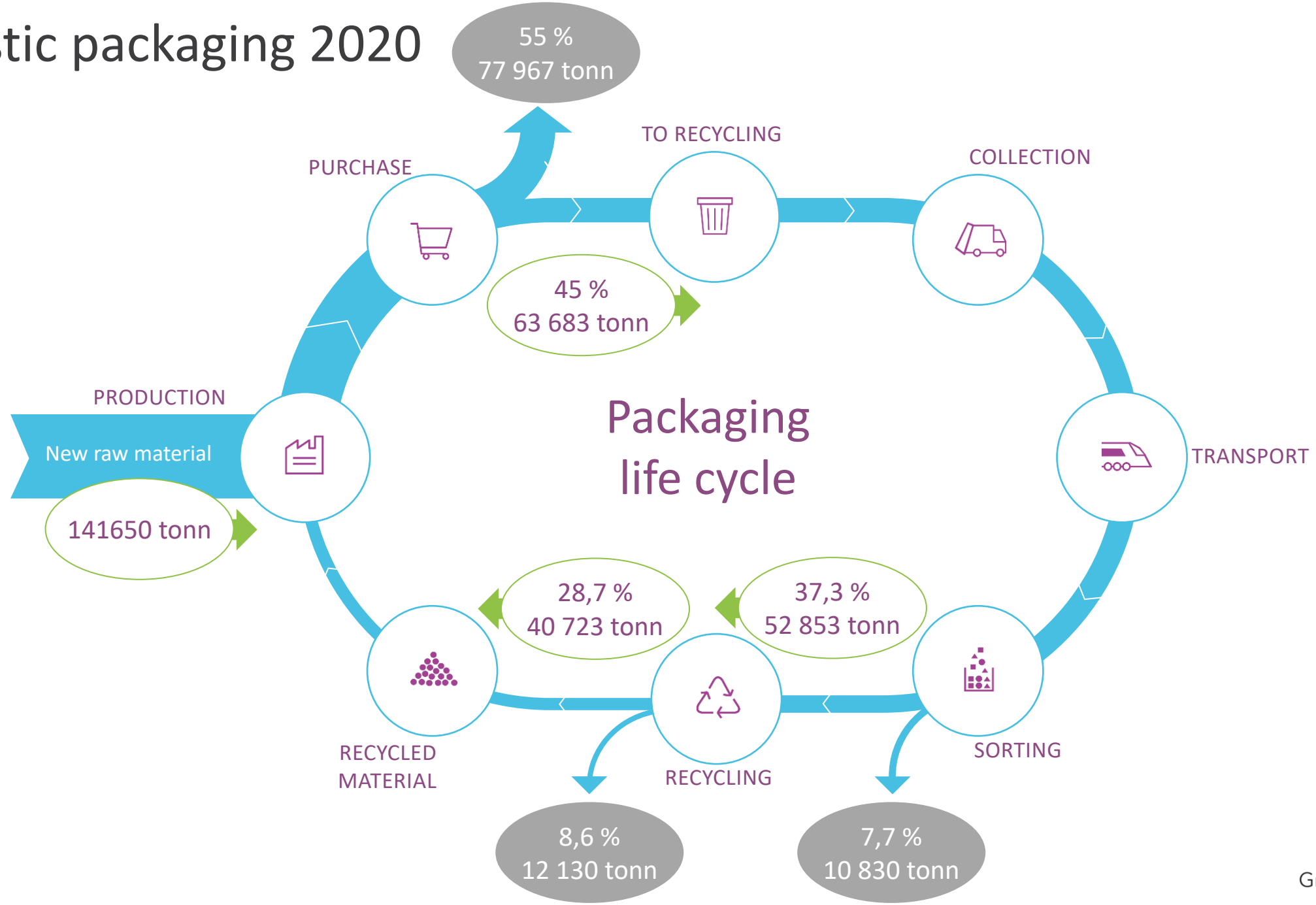
Grønt Punkt Norge

Plastic packaging 2020



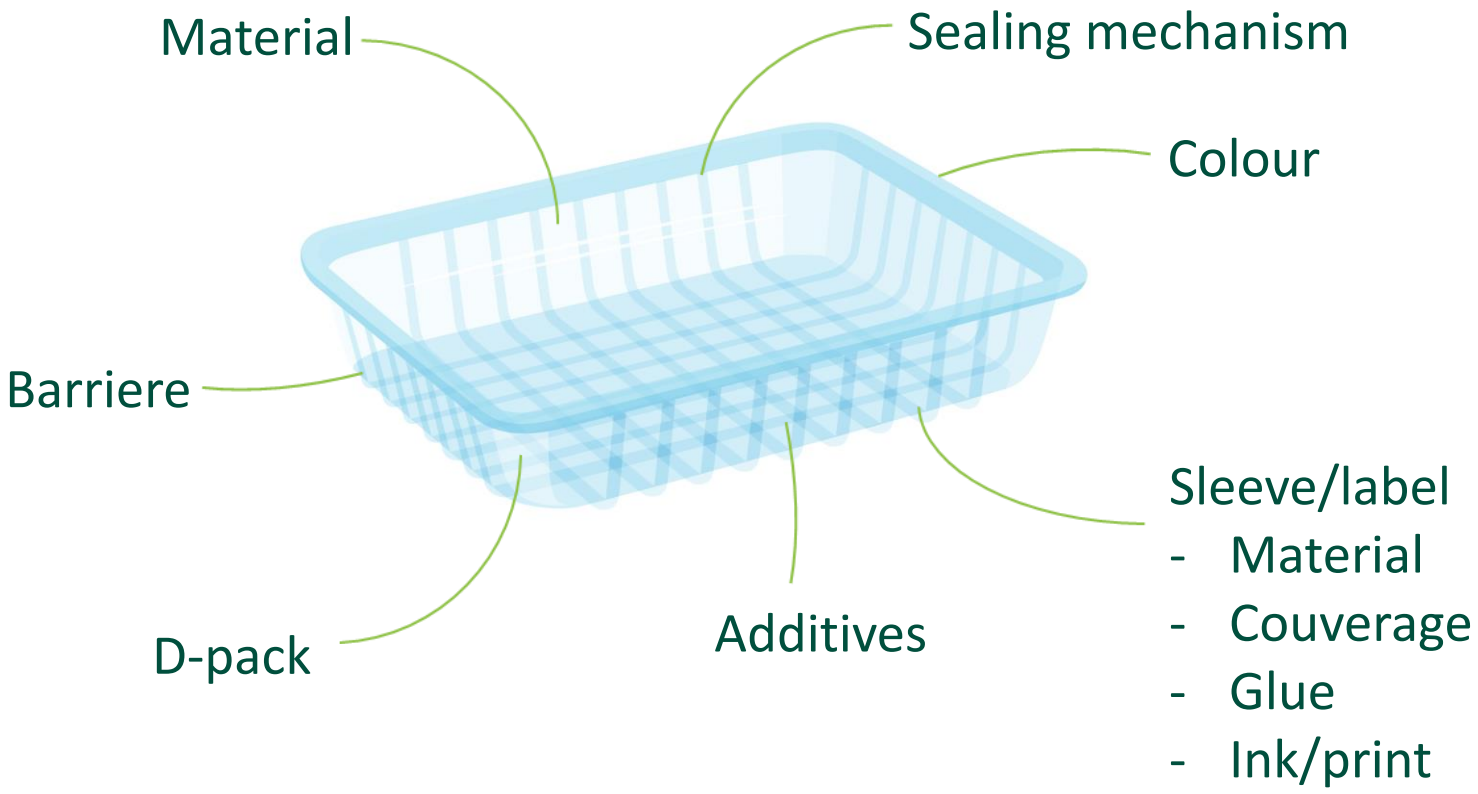
Grønt Punkt Norge

Plastic packaging 2020



Grønt Punkt Norge

Design for Recycling (DfR) for plastic



Grønt Punkt Norge

Brukerveiledning

Kalkulator

Start ny kalkulasjon

Grønt Punkt Norge AS Bibliotek

Søk

Filtrer etter:

- [ ] Plast
- [ ] Drikkekartong
- [ ] Emballasjekartong
- [ ] Bølgepapp
- [ ] Papir
- [ ] Glass
- [ ] Metall
- [ ] Annet

Sorter etter: ( ) Nyeste ( ) Gjenvinnbarhet (•) Alfabetisk

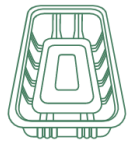
Bøtte

A

Designet:	14 October 2020
Designet av:	Johannes Daae
I bruk:	Ja
Tags:	

Åpne i kalkulatoren

HDPE brett med PE etiekett

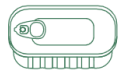


B

Designet:	14 October 2020
Designet av:	Johannes Daae
I bruk:	Ja
Tags:	

Åpne i kalkulatoren

Makrell i Tomat



A

Designet:	14 October 2020
Designet av:	Johannes Daae
I bruk:	Ja
Tags:	

Åpne i kalkulatoren

Melkekartong

D

Designet:	13 October 2020
Designet av:	Johannes Daae
I bruk:	Ja
Tags:	

Åpne i kalkulatoren

Nytt produkt

D

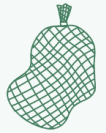
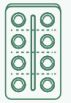
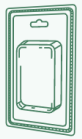
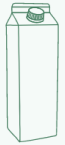
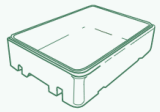
Designet:	23 October 2020
Designet av:	Johannes Daae
I bruk:	Nei
Tags:	

Åpne i kalkulatoren

Skal emballasjen faremerkes med ett eller flere av disse symbolene?

Velg emballasjetype

Emballasjetyper

- Flaske
- Beger
- Skål
- Bøtte
- Shaker
- Tube
- Åpen pose
- Lukket pose
- Nett 
- Blister 
- Stivt brett 
- Ståpose
- Lav boks
- Annen
- Drikkeboks
- Drikkekartong 
- Eske
- Kasse
- Krukke
- Høy boks
- Fiskekasse 
- Formstøpt
- Flowpack
- Kanne
- Sprayboks

GRØNT PUNKT NORGE AS Bibliotek

Hoveddel (gi nytt navn)

Velg materialtype

Annet | Plast | Emballasjekartong | Bølgepapp | Papir | Glass | Metall | Drikkekartong

Oppsummering

vis forklaring

Emballasjetype: Bøtte

Lagre og legg til ny del | Lagre og avslutt | Avbryt

GRØNT PUNKT NORGE AS Bibliotek

Søk

Filtrer etter:

Emballasjemateriale

PP hardplast — God

Angi hvor mye delen veier i gram

Vekt (gram)

32

Angi dimensjoner

Angi dimensjonen på hele denne delen, inkludert alle emballasjedelene som henger sammen med den når den kildesorteres.

Bredde (cm)

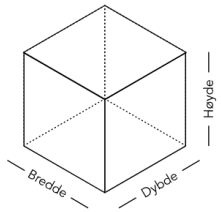
12

Dybde (cm)

12

Høyde (cm)

14



Farge

Velg

Oppsummering

vis forklaring

Samlet gjenvinnbarhet av hele emballasjen:	Emballasjetype: Bøtte
A	

RecyClass Demo Bucket — Potensial: Faktisk:

Anbefalt merking av emballasjen: Sorteres som plast

For detaljer se emballasjemerking.no

Farge

Sterke farger og/eller ugjennomsiktig — Mindre god

Barriere

Velg

Materiale	Gjennvinnbarhet
Ingen barriere	God
EVOH mindre enn eller lik 5 %	God
EVOH mer enn 5 %	Mindre god
PA mindre enn eller lik 1 % (ikke PET)	Mindre god

Område dekket av trykk/blekk på delen

Velg

Type trykk/blekk

Oppsummering

vis forklaring

Samlet gjenvinnbarhet av hele emballasjen:	Emballasjetype: Bøtte
C	

RecyClass Demo Bucket — Potensial: Faktisk:

Anbefalt merking av emballasjen: Sorteres som plast

For detaljer se emballasjemerking.no

14

Farge

Sterke farger og/eller ugjennomsiktig — Mindre god

Barriere

Ingen barriere — God

Område dekket av trykk/blekk på delen

Bare "best før" - / "ofte god etter" -dato — God

Tilsetningsstoffer

Ingen tilsetningsstoffer/fyllstoff — God

Lagre og legg til ny del | Lagre og avslutt | Avbryt

Oppsummering

vis forklaring

Samlet gjenvinnbarhet av hele emballasjen:	Emballasjetype: Bøtte
C	

RecyClass Demo Bucket — Potensial: Faktisk:

Anbefalt merking av emballasjen: Sorteres som plast

For detaljer se emballasjemerking.no

Hvor ofte blir delen kildesortert sammen med en annen del?

Alltid (100%) | Vanligvis (75%) | Av og til (50%) | Vanligvis ikke (25%) | Aldri (0%)

Hvilken del?

RecyClass Demo Bucket

Angi hvor mye delen veier i gram

Vekt (gram)

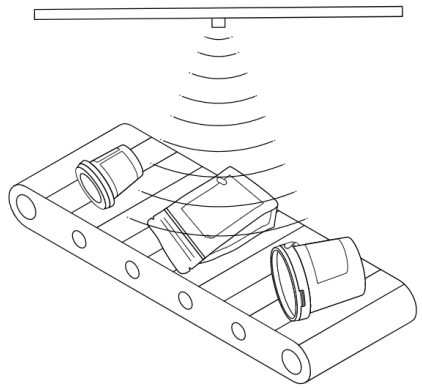
2

Er det noen side av emballasjen hvor mer enn 60% er dekket av etikett/ sleeve?

Nei | Ja

Hvor ofte vil en side med etikett/sleeve peke opp hvis delen ligger tilfeldig på et transportbånd?

Aldri (0%) | Sjeldent (25%) | Av og til (50%) | Ofte (75%) | Alltid (100%)



Oppsummering

vis forklaring

Samlet gjenvinnbarhet av hele emballasjen:	Emballasjetype: Bøtte
C	

RecyClass Demo Bucket — Potensial: Faktisk:

Label — Effekt på hoveddel: Effekt på samlet:

Anbefalt merking av emballasjen: Sorteres som plast

For detaljer se emballasjemerking.no

Søk

Filtrer etter:

- [ ] Annet
- [x] Plast
- [ ] Emballasjekartong
- [ ] Bølgepapp
- [ ] Papir
- [ ] Glass
- [ ] Metall
- [ ] Drikkekartong

Sorter etter: (•) Nyeste ( ) Gjenvinnbarhet ( ) Alfabetisk

< 1 2 3 ... 6 >

RecyClass Unwrapped Demo

E

Designet:	13 October 2021
Designet av:	Johannes Daae
I bruk:	Nei
Tags:	

Åpne i kalkulatoren

pp bucket with pe lable (missing)

F

Designet:	12 October 2021
Designet av:	Johannes Daae
I bruk:	Nei
Tags:	

Åpne i kalkulatoren

PET med Kritt

D

Designet:	5 October 2021
Designet av:	Sina Maria Lystvet
I bruk:	Nei
Tags:	

Åpne i kalkulatoren

HDPE med kritt

F

Designet:	5 October 2021
Designet av:	Sina Maria Lystvet
I bruk:	Nei
Tags:	

Åpne i kalkulatoren

Nytt produkt

Paper label for glass

Test Kedenburg

Nytt produkt

Grønt Punkt Norge

Companies taking the plastic pledge, pledge to:

1. Increase the use of recycled plastic
2. Avoid unnecessary plastic
3. Design for Recycling

Mills
Lantmännen Unibake
serviteur
EMPACK NOR
HANSA BORG BRYGGERIER
Findus
Synnøve
NorEngros
Huhtamaki
ISS
RØROSMEIERIET
Nestlé
VOSS
ESSVE
Swedish Match
Laerdal
REMA 1000
BI HANDELSHØYSKOLEN
coop
ASK
/OPTIMERA/
Sørlands CHIPS
skipnes
ACTIVE BRANDS
BAKO
NorgesGruppen
Kartonage
PALS 1936
Finsbråten
UNIL
TINE
Orkla
Unilever
Arcus
HAUGEN-GRUPPEN
RINGNES
Coca-Cola
HILDING ANDERS
Oskar Sylte
SCANLUX
NORSK KYLLING
WALDEMARS SIDEN 1992
HENNIG OLSEN
Nortura
bama
Grilstad
JOTUN
BakerBrun ETABLERT 1893
NORFERSK
Alliance Healthcare
Europris
Fjordland
Wilhelmsen Chemicals
Brynild Gruppen
KREFTING
LØVENSKIOLD
Døvigen
STORMBERG

Results of the plastic pledge 2020

1. Increase the use of recycled plastic
2. Avoid unnecessary plastic
3. Design for Recycling

8857 tons

Results of the plastic pledge 2020

1. Increase the use of recycled plastic
2. Avoid unnecessary plastic
3. Design for Recycling

Reduction 1017 tons

Substitution 1030 tons

Results of the plastic pledge 2020

1. Increase the use of recycled plastic
2. Avoid unnecessary plastic
3. Design for Recycling

5480 tons

TINE, Orkla og Arcus vinner Plastløftet-prisene for 2021

Vinnerne av årets priser premieres blant annet for mindre emballasje rundt skivet ost, saftflasker i 100 prosent gjenvunnet plast og pantbare vinflasker. Totalt har deltakerne i Plastløftet kuttet 1 017 tonn plast og erstattet 8 857 tonn jomfruelig plast med resirkulert.

Thank you for your attention!

Dr. Johannes Daae
Head of Devlopment, Green Dot Norway
Email: Johannes@grontpunkt.no
Phone: +47 99 00 53 56

Grønt Punkt Norge

Questions & Answers

Use the Q&A box in the top-right corner of your screen

RecyClass

Thank you for participating!

Join us at future sessions:
17 November 2021
9 December 2021

RecyClass