



RecyClass Unwrapped

Recycled Content Traceability Certification

Moderated by

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RecyClass

RecyClass Unwrapped Webinar

*Recycled Content Traceability
Certification*

Mireia Boada



Recycled Content Traceability Certification

RecyClass introduction

- **RecyClass** is a comprehensive cross-industry initiative that works to advance plastic packaging recyclability and to **establish a harmonized approach towards recycled content calculation and traceability in Europe.**

Certification provides robust, verified and transparent claims of recycled content essential to maintain credibility!

- **Reassure consumers, provide trust to end-users (B2C)**– Increasing public interest in recycled content.
- **Demonstrate compliance with legislation (B2B)**– Increasing regulation; address use of claims by a third-party verification.
- **Underpin quality** – Ensure certain Standard Operating Procedures are implemented. Problem solving and correction.
- **Show transparency** - information about the waste origin and source.
- **Support corporate sustainability claims** about recycled content.

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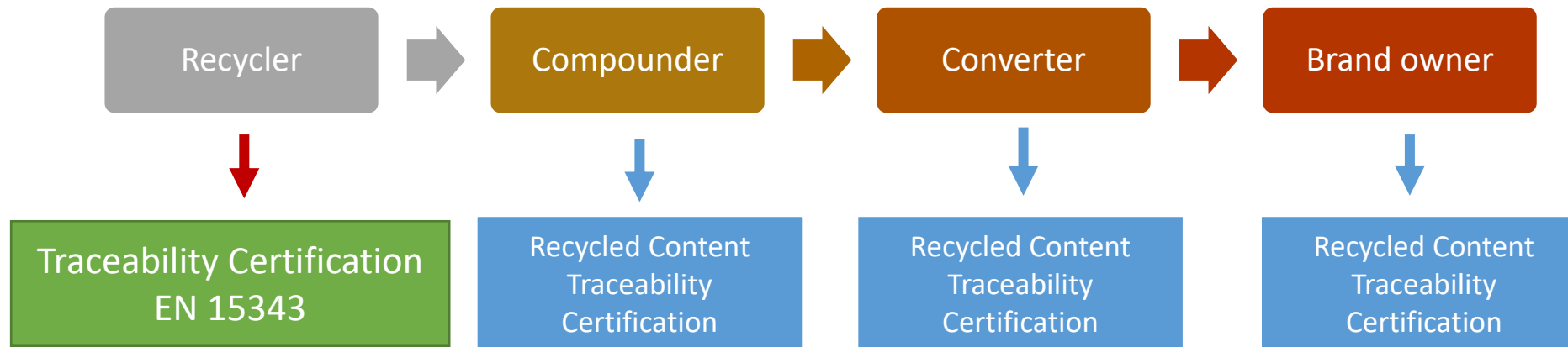
RecyClass Members



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Recycled Content Traceability Certification Focus & Scope

- Certification can **recognise use of recycled plastics in products** via an independent verification system.
- Audit Scheme verifies the traceability of the recycled material in the different process steps throughout **the whole chain of custody of the recycled material**.



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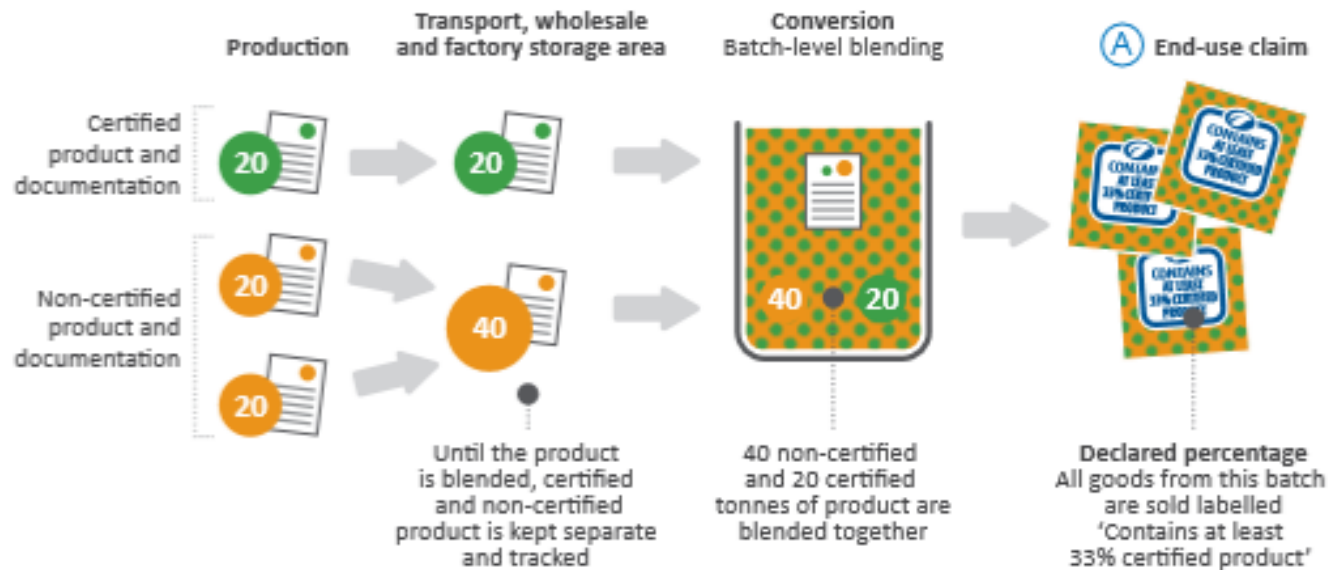
Recycled Content Traceability Certification

The Basics

- Certification focuses on the **traceability evaluation of recycled material flows** in a site producing products with rContent.
- An **independent Certification Body** verifies the traceability of recycled content and the calculation of pre-consumer and post-consumer share in products. This is usually part of a broader value chain. Certificate validity is 1 year.
- The Audit Scheme was developed according to a **controlled blending model** as described in **ISO 22095 Chain of Custody** – General terminology and models and **EN 15343:2007 Plastics recycling traceability and assessment of Conformity and Recycled Content**.

Recycled Content Traceability Certification

Recycled Content Calculation - Controlled blending



Source: ISEAL Chain of Custody Models

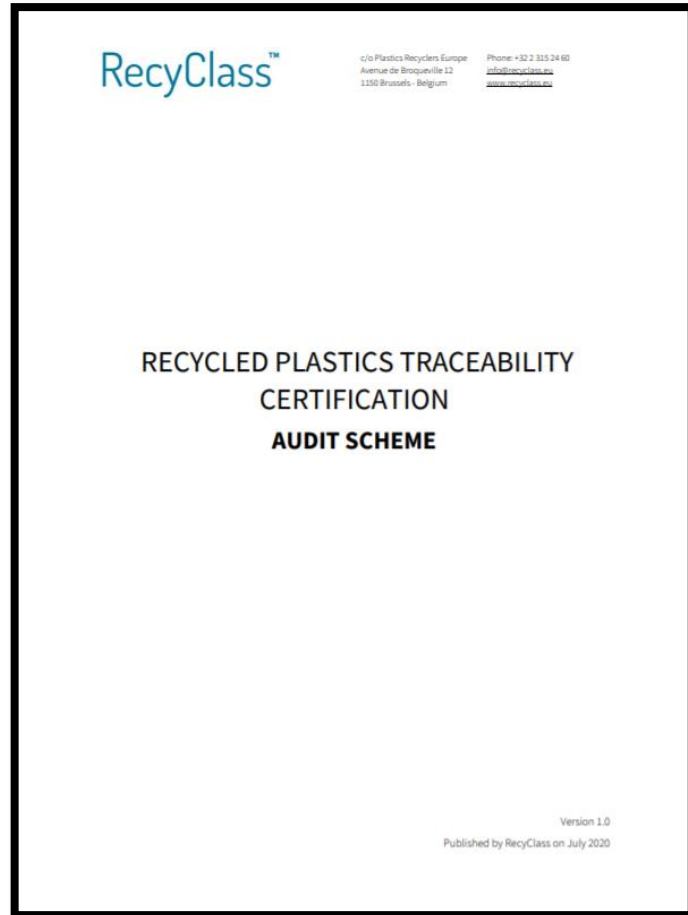
Risks to reliable claims!

- **Allocation of recycled content:** Recycled content calculation must refer to real percentages, not credit between streams.
- **Self-declaration of origin of waste:** Downstream users declaring origin of material must not be permitted. Origin of the waste must be verified in case of Certification.

- Recycled content shall be **expressed in percentage** of the total weight of a product or component and **must reflect the reality of the recycled content** (pre-consumer and post-consumer) presence following ISO 22095.
- The **calculation of recycled content may be grouped by different families** where the same recipe is used during production.

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Recycled Content Traceability Certification Audit Scheme



- The **Audit Scheme** was published in July 2020.
- **Procedures & Quality Management Systems**, as well as **Auditors Guidance** were published in October 2020.
- Documents were developed by experts on traceability, converters and brand owners.
- **Trial audits at converters and brand owners were carried out** to test out the configuration and fitness of the Certification requirements.
- **10+ Certification Bodies around Europe are recognised** to perform the audit. Second training for auditors will take place on February 2021.
- Documentation available at www.recyclclass.eu

Recycled Content Traceability Certification

Audit Focus

- **Section 1. Quality System Requirements**

- Business registration, ISO 14000, ISO 9001, training of personnel, register of complaints, records system.

- **Section 2. Supplier Evaluation**

- Identification of suppliers (batches can be linked to suppliers), input records during material procurement.

- **Section 3. Input Requirements**

- Purchase specifications, weights and dates of delivery are recorded.

- **Section 4. Stock Management**

- Stock identification, storage conditions, stock management system that records movement of stocks, stock checks (inspections at least once a year).

- **Section 5. Production Process**

- Production statistics, records of input and output material, metrology of test equipment, mass balance calculation, production process records, traceability.

- **Section 6. Output Composition**

- Output specifications, calculation of recycled content, plausibility check.

- **Section 7. Output Requirements**

- Output specifications, records of sales.

- **Section 8. Subcontracting**

- Control of subcontracted processing, subcontractor's certification, record of volumes.

Recycled Content Traceability Certification

Next steps: Use of Claims

- **Communication guidelines** on the Certification results are essential.
- RecyClass has a **dedicated taskforce to define the conditions** and requirements for the Use of Claims regarding recycled content following the Certifications.
- Development of logos for recycled content.
- Open consultation will take place in January 2021.

The background of the entire image is a dense, light blue-tinted collage of various plastic waste items, including bottles, caps, and crumpled plastic, creating a textured and thematic backdrop for the recycling message.

**Thank you
for your attention**

www.recyclclass.eu
info@plasticsrecyclers.eu

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Resilux

The power of PET for a circular economy

January 27th 2021

Key figures 2019



Turnover
€ 414 million



Employees
907 worldwide



Countries
Active in >50 countries



Number of Customers
1.250 customers



Preform Sales
7.350 million units



Bottle/Jar Sales
400 million units



Flake/ Pellet Sales
27.290 Tons



Resilux Story

We create sustainable PET solutions that serve products, people and our planet by connecting high quality, safe use and no compromise on excellent reuse.

Inspired by people. Safe for the planet. Protecting your product.

Inspired by People

Every day **our clients, the consumers and our employees** inspire us to create the best packaging solutions. Their health and convenience are the starting point for everything we do.

Safe for the Planet

We are **down with earth** and passionate about collecting, reusing and recycling. We contribute to people's wellbeing and act in the interest of our planet.

Protecting your Product

As a **dynamic and flexible partner**, we serve our clients with innovative packaging solutions. We take full responsibility for ensuring the best protection of our clients' products and the health of their consumers.

All stakeholders care about litter, recycling and reuse

Policy makers

EU circular economy package, SUP directive, waste framework directive, plastics strategy
National legislation

Voluntary commitments

Circular plastics alliance, plastic pacts

Investors

Care about sustainability

Brand owners, retailers and converters

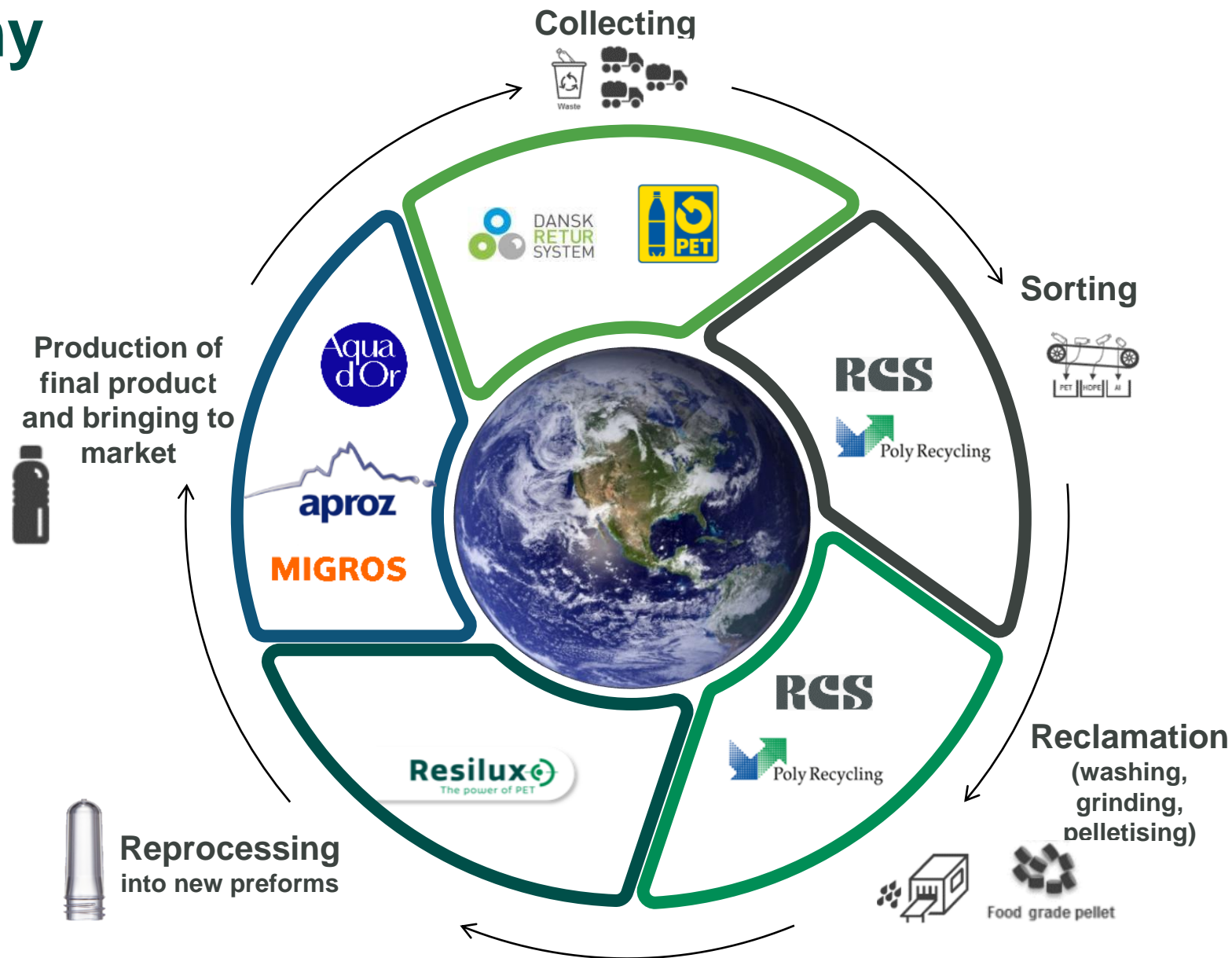
Sustainability action plans with high % rPET, recyclability, collection & reuse targets

Consumers, NGO's, Media

Less litter, less plastics, more recycling and reuse



Circular economy



Examples



Danone : Aqua d'Or launches the 1st bottle in Denmark made of 100% recycled PET and commits to have all its bottles made from 100% recycled materials by 2021



03/15/2019 | 06:44am EDT

rPET

Migros introduces beverage bottles made from 100% recycled PET

April 23, 2019 | Recycling technology | Migros | Zurich | Switzerland

The well-known Migros syrup bottles are made of 100% recycled PET. This is the first time in Switzerland that the material cycle for PET bottles has been closed. For mineral water, this goal should also be achieved by 2025. With the use of recycled PET in its beverage bottles, Migros saves over 2,500 tonnes of new material each year.



PET Recycling plant

1

Collection & Sorting

- Choice of feedstock
- PET Recycling Schweiz closed loop



2

Flake production

- Flotation tanks and caustic wash



3

Decontamination & Solid State

- High vacuum conditions + N₂
- Colour control
- IV controlled
- EFSA certified



4

Compounding

- Extruders with multiple vacuum degassing and melt filtration
- Colour controlled



Quality and certification



Certificate for food approved rPET from Poly Recycling
quality assurance on the traceability for the recycling
process & mass balance of input/output streams.

Recycled content traceability certificate

Independent auditors confirm the rPET %, sourced
in a transparent and responsible way.



WE  PEOPLE
PLANET
PRODUCT

Thank you for your attention

sales@resilux.com



Today's **AGENDA**

- MEET AQUA D'OR,
- THE CONTEXT
- OUR CIRCULAR AMBITION
- WHY CERTIFICATION
- TRUE PARTNERSHIP



WE ARE GOING TO TALK ABOUT ➤



ONE PLANET

ONE HEALTH



Health of people and the health of the planet are
interconnected
Nurture healthier, more sustainable drinking habits.



DANISH ENTREPRENEUR
EST 1987-2020



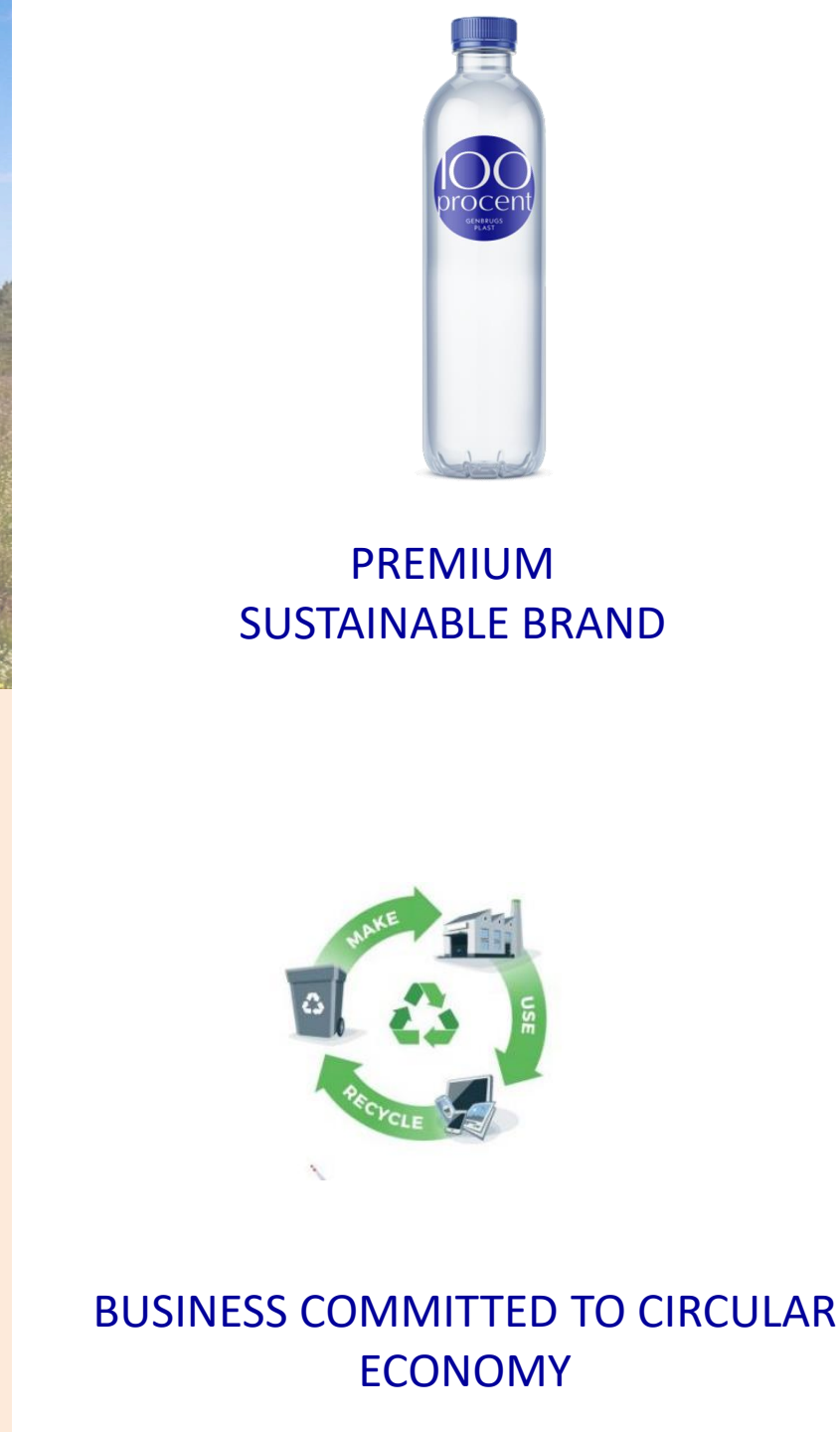
BEST QUALITY WATER
filtered over a 300-year journey through untouched
Danish nature



#WATER MARKET LEADER



DELIVERING ONLY HEALTHY
HYDRATION



PREMIUM
SUSTAINABLE BRAND



BUSINESS COMMITTED TO CIRCULAR
ECONOMY

OWNed BY DANONE. SHARing SAME AMBITION



*Our strategy & commitments....
...to preserve a healthy planet, focused on 4 nature pillars*

Climate

Ambition: Fight climate change by becoming a zero net carbon company on our full value chain by 2050. By 2030, we aim for a 50% intensity reduction full scope.



Water

Ambition: Protect water cycles by acting locally and where it matters most, in partnership with local actors & communities.



Circular Economy

Ambition: Co-build the circular economy of packaging by sourcing sustainable materials and creating a second-life for all plastics; **reduce food waste.**



Agriculture

Ambition: Develop and promote regenerative farming models that are competitive, inclusive and resilient.

*There
is hope
in soil!*



DANONE
ONE PLANET. ONE HEALTH

CONTEXT



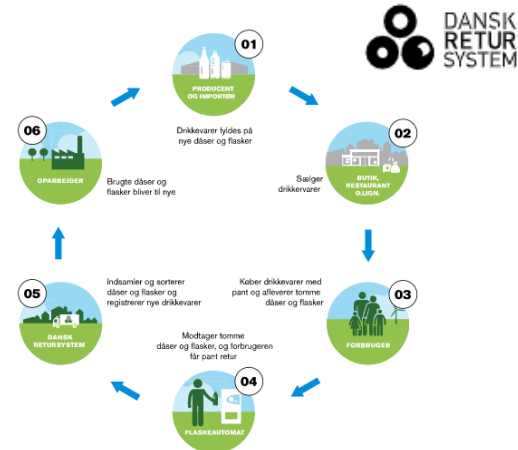
Water– best kind of hydration



—Not Competitor?—



CATEGORY IN FOCUS



WORLD CLASS RETURSYSTEM
94% OF ALL BOTTLES COLLECTED

PLASTIC is in FOCUS



CONSUMERS DEMAND
COMPANY’S TO ACT



CUSTOMERS BUILDING
STRONG CSR STRATEGIES
REQUIRING SUPPLIERS TO STEP
UP

COMPANY'S ARE BEING MEASURED BY THEIR ACTIONS

2018



2019



2021 Q1



All bottles in
portfolio
50% recycled plastic

First bottle in
market made of
100% recycled
plastic

Every bottle
made of 100%
recycled plastic



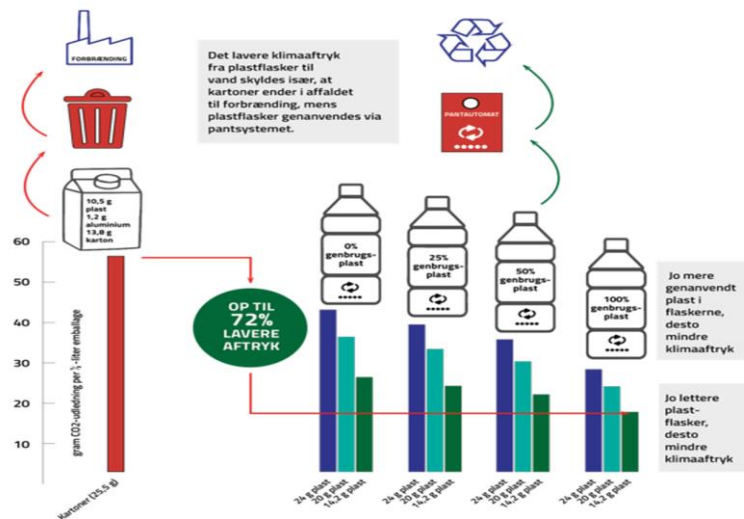
DELIVERING ON 2019 PLEDGE

NEED TO EDUCATE CONSUMER/CUSTOMERS

WHAT IS THE BENEFIT OF RPET?

Water in CARTON HAS UP to 50% HIGHER CO2 FOOTPRINT
IN DK vs 100% RPET BOTTLE*

RPET HAS UP TO 50% LOWER CO2 FOOTPRINT vs VPET*



NEW QUESTIONS:

IS IT ACTUALLY RPET?
WHERE IS THE RPET FROM?
CAN YOU DOCUMENT the Origin?

CERTIFICATION IS THE ANSWER

INDEPENDENT EXTERNAL AUDITING
CLEAR APPROVAL PROCESS
STANDARDIZED COMMUNICATION



*Rapport (bryggeriforeningen.dk)

PARTNERSHIP IS ESSENTIAL TO PROGRESS



CONDUCTED BY EXTERNAL AUDITING

EFFICIENT PROCESS

GOOD FLEXIBILITY



WORKING ON THE REST

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Questions & Answers session

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





Thank you for your participation!

Next webinars:

24 February 2021

31 March 2021

28 April 2021

26 May 2021

23 June 2021

More information to follow
www.recyclclass.eu