



27-28 MAY 2025
Dijon & Beaune



ENHANCING PET YOGURT CUP RECYCLING: CHALLENGES TO OVERCOME



AGENDA

**1-INTRODUCTION TO
DANONE AND PET
PACKAGING**

**2- FOCUS ON YOGURT CUPS:
CHALLENGES AND
SOLUTIONS**





DANONE MISSION

**“BRINGING
HEALTH
THROUGH FOOD
TO AS MANY PEOPLE
AS POSSIBLE”**

WHAT IS THE LINK BETWEEN DANONE AND PET?



100% recyceltes PET

Unser Wasser schenkt uns die Natur. Jetzt kannst du es noch nachhaltiger genießen.

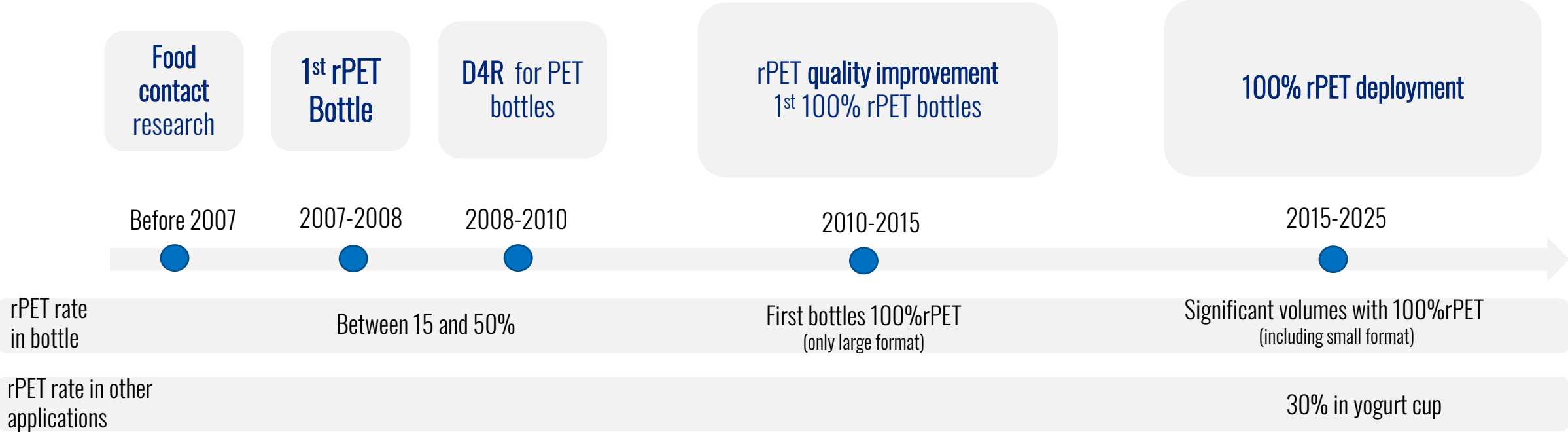


100% REICLADA

HECHA DE OTRAS BOTELLAS



THE USE OF MECHANICAL rPET IN DANONE FOR THE LAST 15 YEARS



15 years to reach significant volumes and quality of rPET content in Waters division with limited drive from the market and regulation

DIJ: DANONE IS DEDICATED TO ACHIEVING 100% RECYCLABLE BY 2030.

SBTi:
CO₂ **REDUCTION** by 2030
in line with **1.5C PATHWAY**



**100% REUSABLE, RECYCLABLE
OR COMPOSTABLE** by 2030



HALVE the use of **VIRGIN
FOSSIL-BASED PACKAGING** by 2040



RECOVER

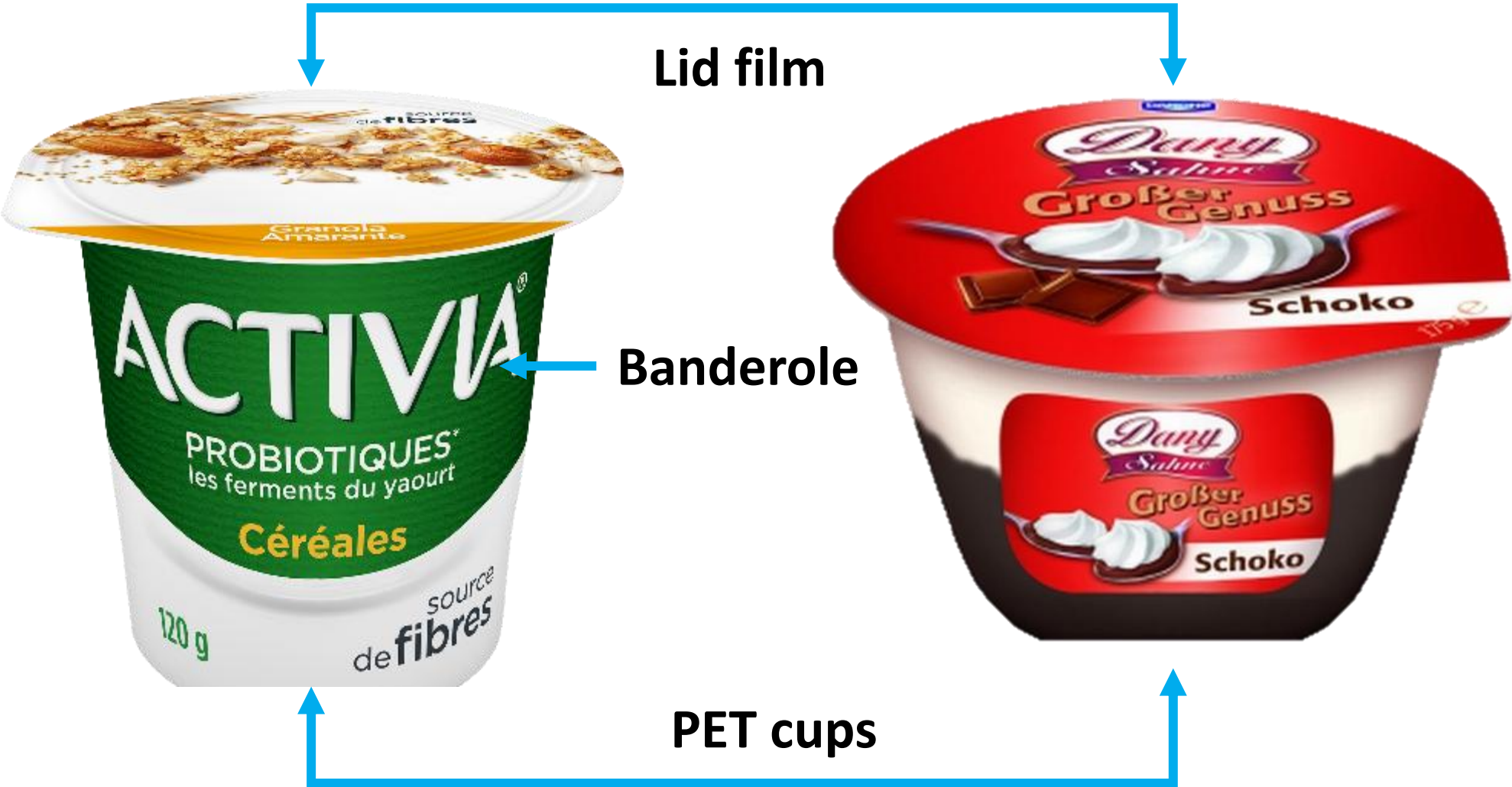
AS MUCH plastic **AS WE USE** by
2040
(lead dev. collection systems)



A photograph of a Danone yogurt cup and fruit on a tray. The cup is white with the Danone logo and text in French. It is surrounded by slices of red and yellow fruit. The background is blurred, showing a person in a blue shirt.

Focus on Yogurt Cups: Challenges and Solutions

DANONE TYPE OF YOGURT CUPS



YOGURT CUP COMPOSITION AND NEEDS



Banderole
contributes to top
load allowing plastic
reduction

Danone committed to deliver PET cups designed for recycling 

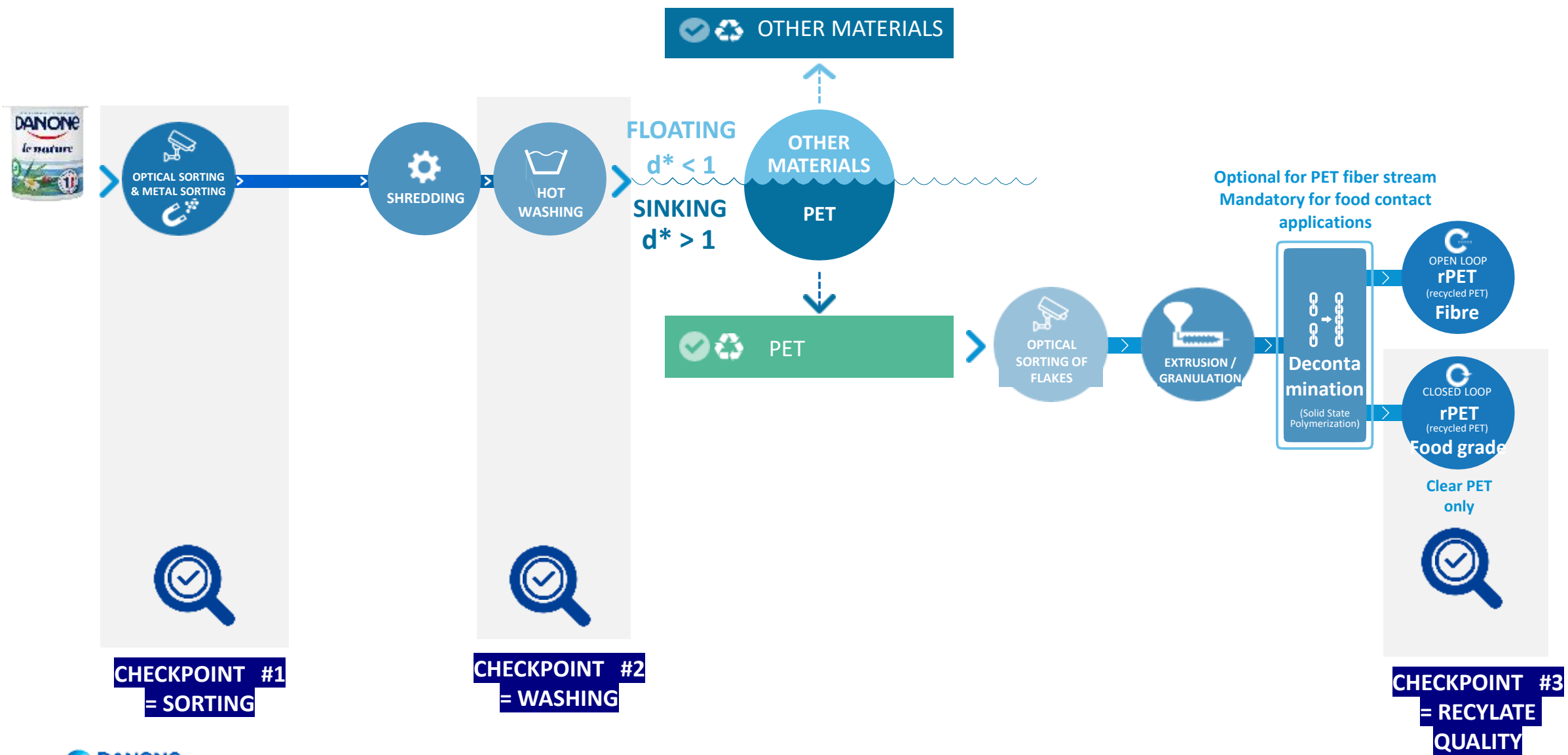
EUROPEAN COMMON D4R GUIDELINES WILL COME, IN THE MEANTIME.....



- UNTIL PPWR D4R GUIDELINES ARRIVE (JAN '28), D4R GUIDELINES ARE BASED ON LOCAL RECOMMENDATIONS.

PRO	D4R Guidelines	ONLINE D4R tool
 	Design4Recycling guidelines Fost Plus	----
 	 Our guidelines - COTREP	
 	Circular-Packaging-Design-Guideline-V05_EN.pdf (ara.at)	----
 		Pack-CD
 	RECOUP RECOUP Recyclability	-----
 		-----
 	 Design for Recycling Guidelines - RecyClass	Online tool - RecyClass

PET CUP RECYCLING PROCESS & CRITICAL CHECK POINTS TO PROVE D4R SOLUTION

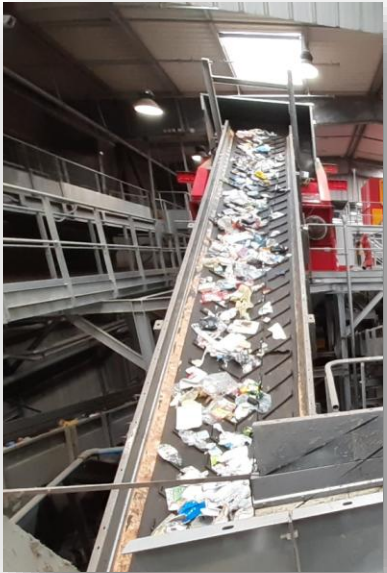


SORTING : SORT ABILITY OF CUPS PROVEN BUT STILL SOME CHALLENGES



DETECTABILITY AND EJECTABILITY CHALLENGES:

- GENERATION OF MACHINE
- DATABASE USED
- SETTINGS (ACCORDING TO STREAM)
- COMINGLED PACKAGING
- CUPS BLOCKED WITH OTHER PACKAGING
- TRAYS NOT EASY TO SEPARATES
- ABILITY TO SORT CUPS
 - IN TRAY OR BOTTLE STREAM



WASHING STEP : IMPLEMENTATION CHALLENGES



CHALLENGE AT INDUSTRIAL SCALE TO
IMPLEMENT WASHABLE HOTMELT

D4R GUIDELINES = NOT YET AT SCALE

RECYCLATE : THE QUALITY CHALLENGES



REGULATORY &
FOOD SAFETY



LOGISTICS >
RETAIL



OPERATIONS



CONSUMER

Food contact
(95% food / 5%
nonfood)

Color / Aspect

**Physical
characteristics**

**Chemical
characteristics**



ENHANCING TRAY RECYCLING



D4R GUIDELINES = NOT YET AT SCALE

A DECADE TO REACH FULL BOTTLE rPET CIRCULARITY - OTHER CHALLENGES TO OVERCOME FOR rPET TRAYS

COLLABORATION OF FULL VALUE CHAIN IS KEY TO IMPLEMENT D4R & ACCELERATE CIRCULARITY



**Sustainability
without
Performance
has **NO IMPACT****

**Performance
without
Sustainability
has **NO FUTURE****

ANTOINE DE SAINT-AFFRIQUE
CEO DANONE