22.04.2024

Hy APEX connect_ sustainability-apex.org APEX apps addressing climate change

Niels de Bruijn, Business Unit Manager Timo Herwix, Senior Consultant



Say Hy_!



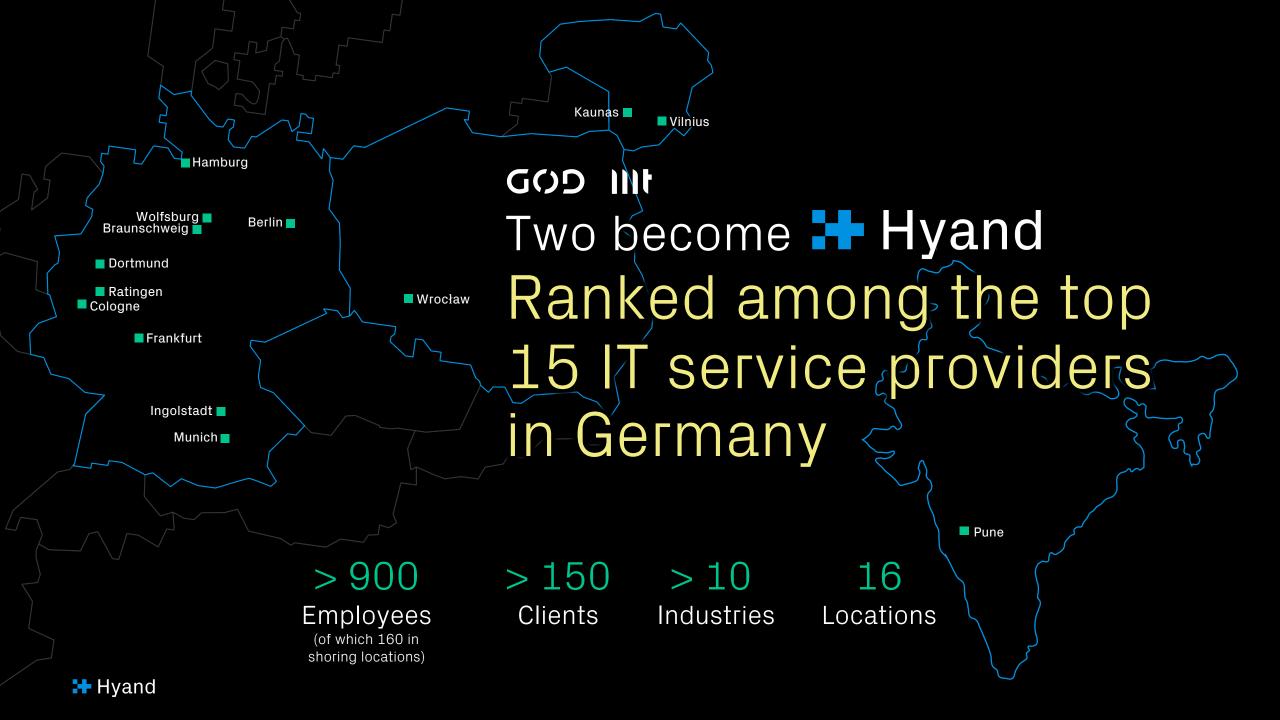
Niels de Bruijn Business Unit Manager





Timo HerwixSenior Consultant





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Q&A



CO2-earth

Latest

Daily CO₂

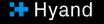
A reminder that our world is pushing the planet's thermostat beyond safe levels of 350 ppm CO2, and that more people are needed to combine our ingenuity and resources to keep the present overshoot brief.

Apr. 13, 2024 **425.70 ppm**

Apr. 12, 2023 **423.23 ppm**

1 Year Change 2.47 ppm (0.58%)

Last CO₂ Earth update: 2:35:03 AM on Apr. 14, 2024, Hawaii local time (UTC -10)



It is the German law!

The state's obligation to protect resulting from Article 2, Paragraph 2, Sentence 1 of the Basic Law also includes the obligation to protect life and health from the dangers of climate change.

It can also establish an objective legal obligation to protect future generations.

2. Article 20a GG obliges the state to protect the climate. This also aims to achieve climate neutrality.



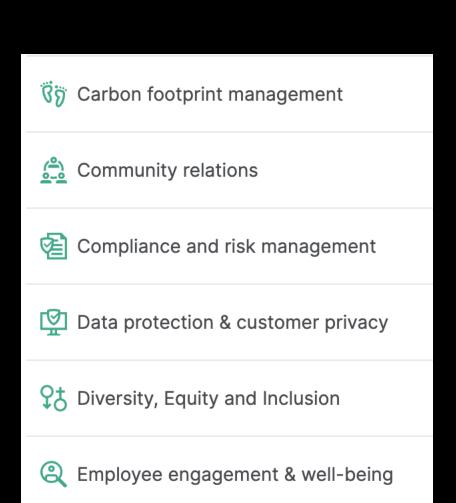


ESG Themes at Hyand

Environmental

Social

Governance

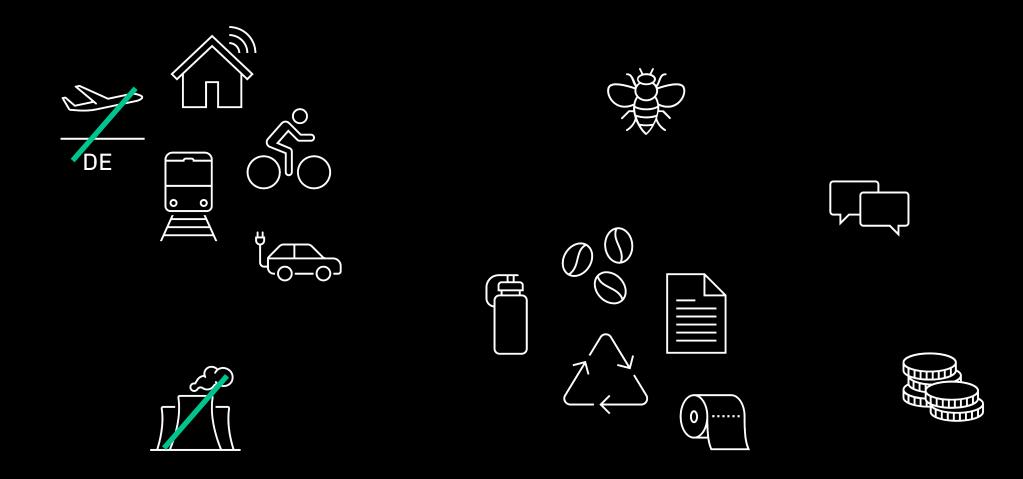


Employee health and safety

Integration of ESG strategy



Practical measurements

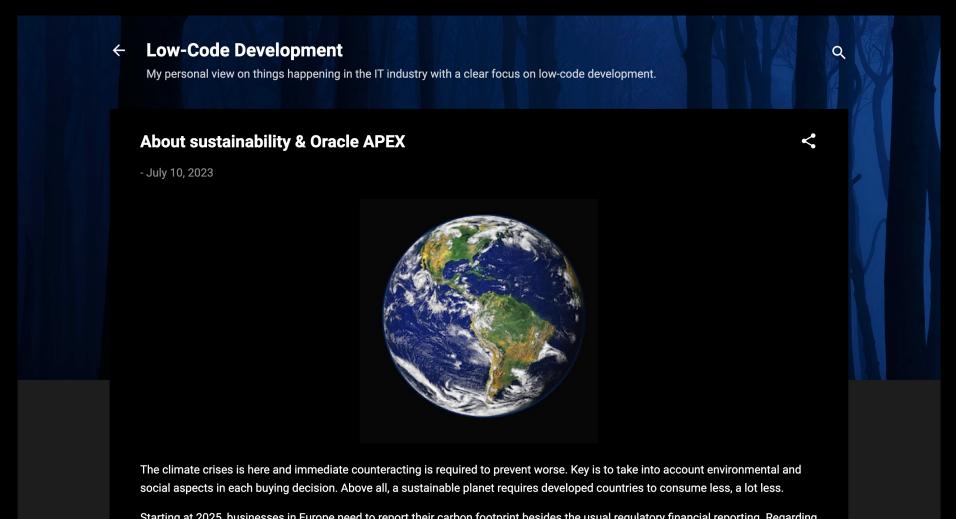




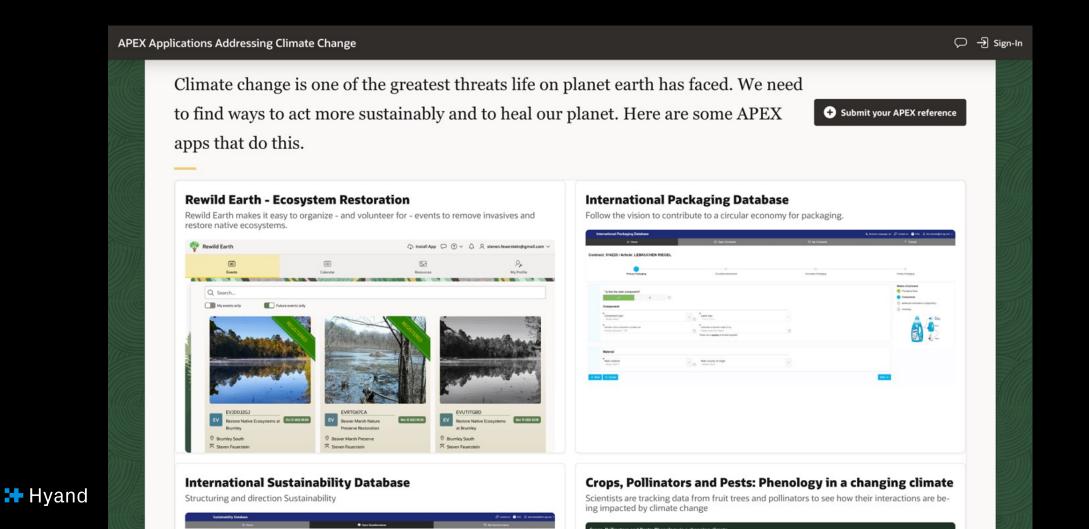
What about sustainability and APEX?

H Hyand

https://nielsdebr.blogspot.com/2023/07/about-sustainability-oracle-apex.html



sustainability-apex.org



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Packaging Database.

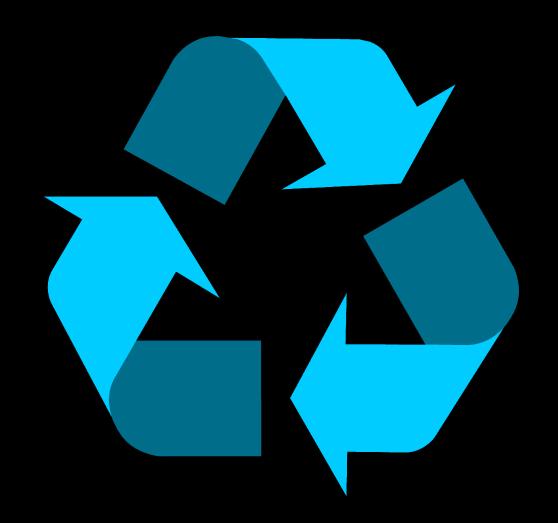




Many trading companies have received political guidelines for packaging reduction.

To do this, they need a large amount of data, which must be collected directly from suppliers. The data is then evaluated and appropriate measures are taken as a result.

The goal is reducing packaging material and using more recyclable materials.



Material Guide.

Component Classes

Each package can be broken down into different components. These components have a specific role in the packaging and therefore could be classified into different component classes. Typically, a package consists of three component classes.

Body

The body is the main component and is usually the largest part of the package and the one that encloses the product. There is only one type of this component per package.

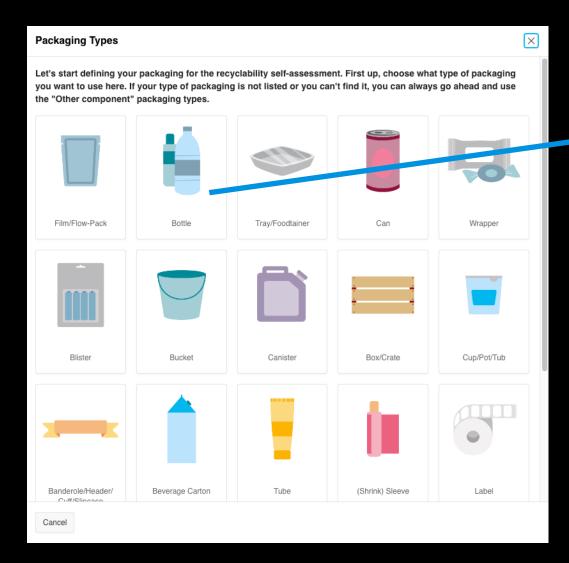
Closure

Components classified in this class are typically responsible for ensuring product safety. Typically, closure components must be removed from the consumer to consume the product itself. In some cases, there may be more than one closure component.

Decoration

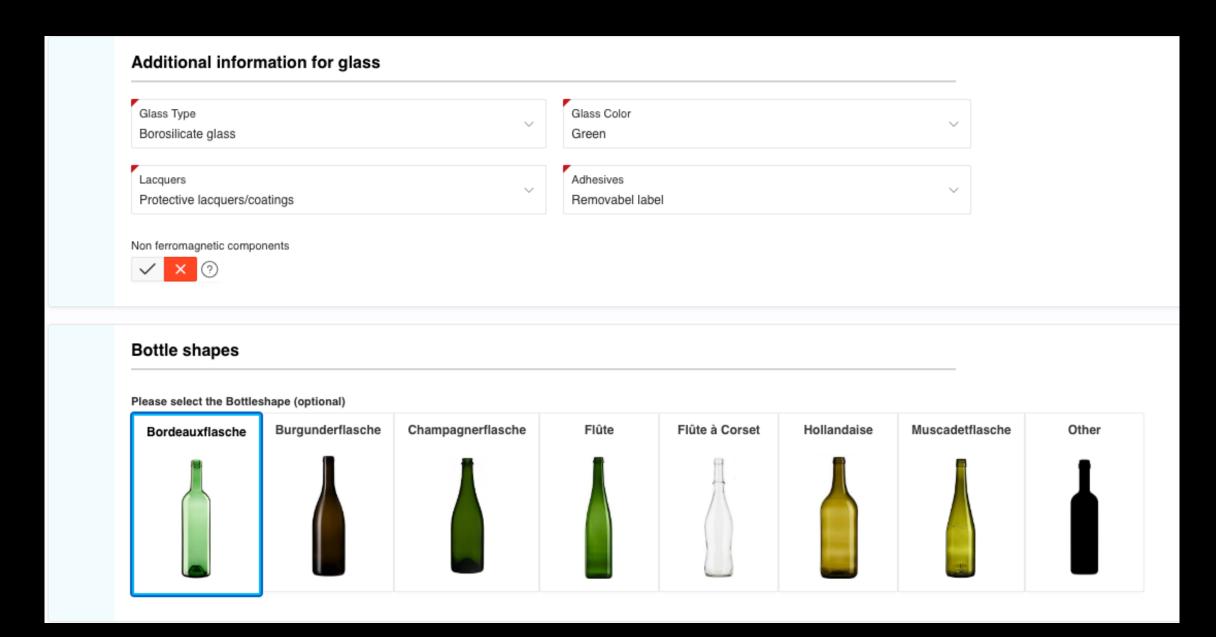
There can often be more than one decorative component in a package. These components are usually used for marketing purposes and contain product information.

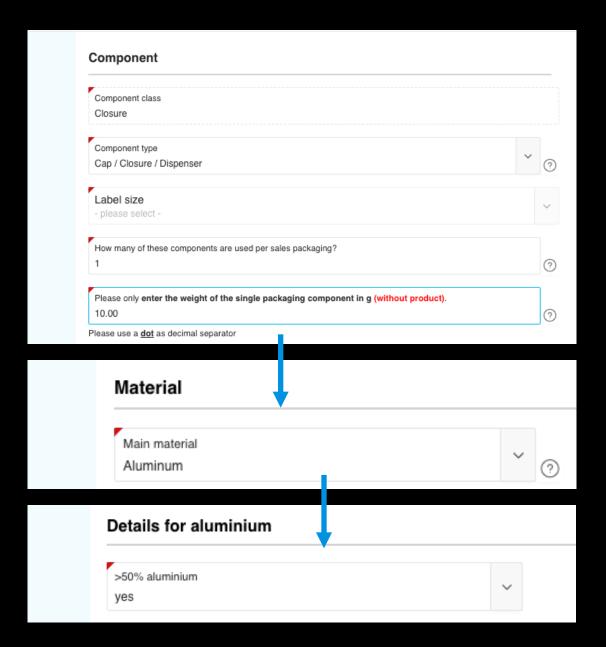




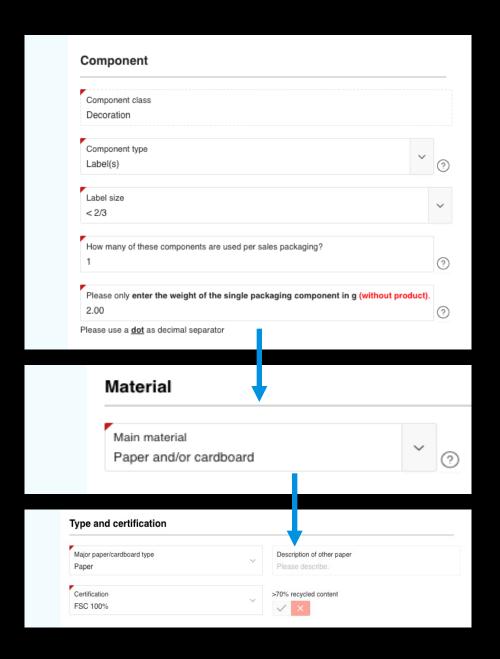


Component class		
Body		
Component type		
Bottle		
Label size		
- please select -		
How many of these compone	ents are used per sales packaging?	
Please only enter the weight 100.00	nt of the single packaging component in g (without product).	
100.00		
100.00		
100.00		
100.00		
100.00		
100.00 Please use a <u>dot</u> as decimal s		
100.00		
100.00 Please use a <u>dot</u> as decimal s	separator	















PRIMARY/SALES PACKAGING

Packaging, conceived so as to constitute a sales unit to the final user or consumer at the point of sale and its intended use is to be taken home.







Packaging serves only as a means to replenish the shelves at the point of sale; it can be removed from the product without affecting its characteristics and its intended use is to not be taken home by the consumer.

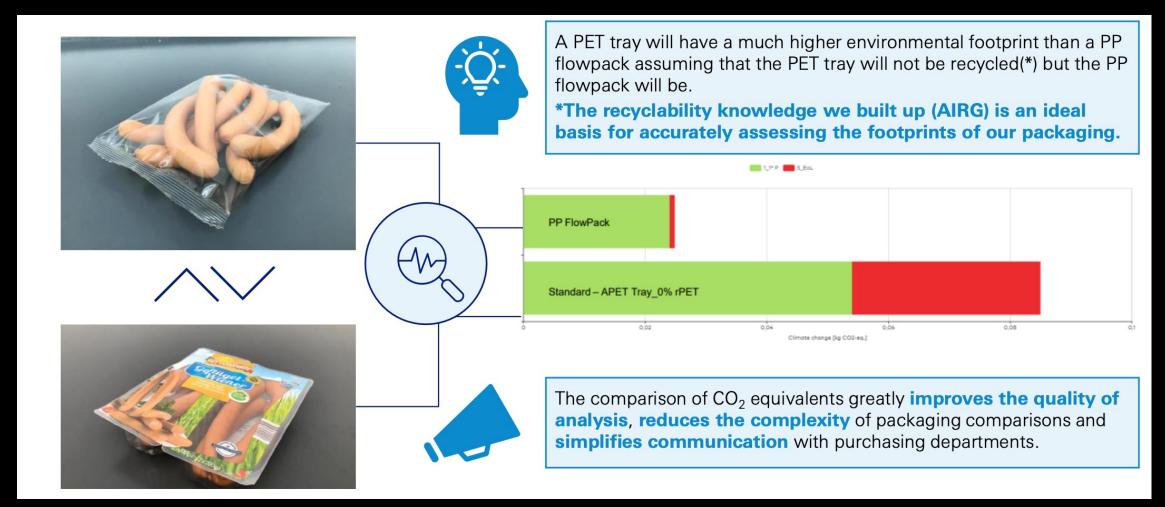




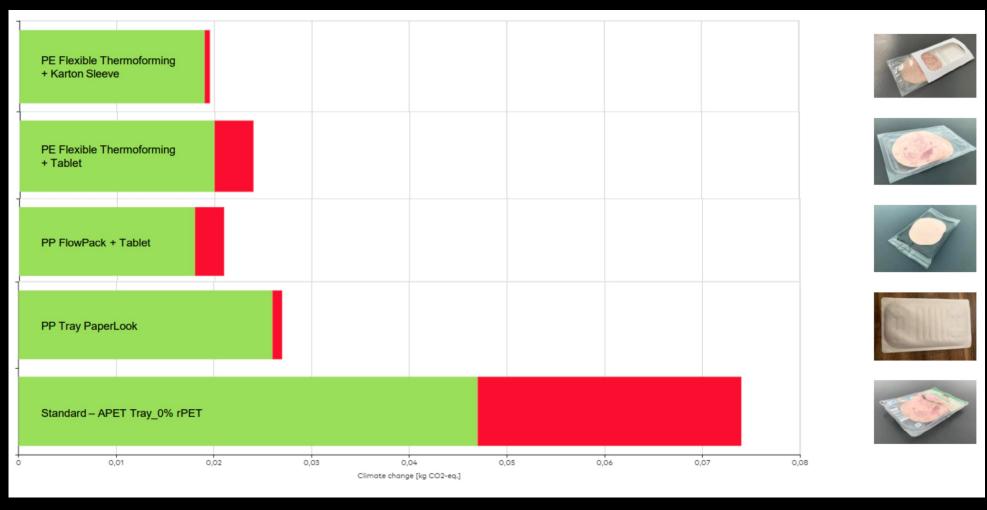
TERTIARY/TRANSPORT PACKAGING

Packaging conceived so as to facilitate handling and transport of a number of sales units in order to prevent physical handling and transport damage. Transport packaging does not include road, rail, ship and air containers.

Sustainable Packaging at a Glance PP flowpack versus PET tray



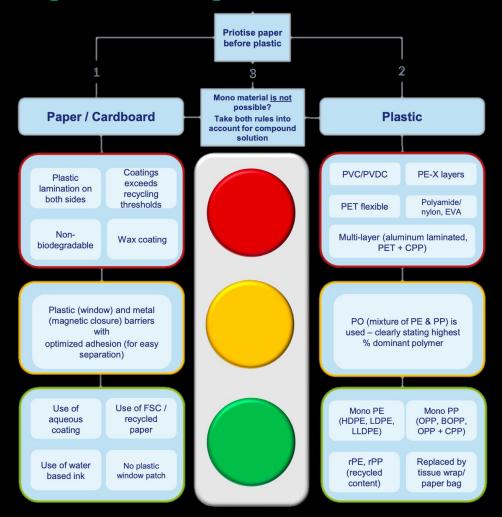
Sustainable Packaging at a Glance Comparison of packaging for cold meats





Sustainable Packaging at a Glance

Recyclability



Article name	Suppenfleisch, 500g
Number of components	4
Total weight	27.75 g
Komponenten	
Tray	
Function	Main component
Weight	23
Material	PP
Color	Transparent
Foil/Film/Flow-Pack	
Function	Closure
Weight	2.89
Material	a-PET/EVOH/PE-HD/PP/PA
Color	Transparent
Label	
Function	Decoration
Weight	1.04 g
Material	Paper
Absorbent Pad	
Function	Decoration
Weight	0,82 g
Material	PP



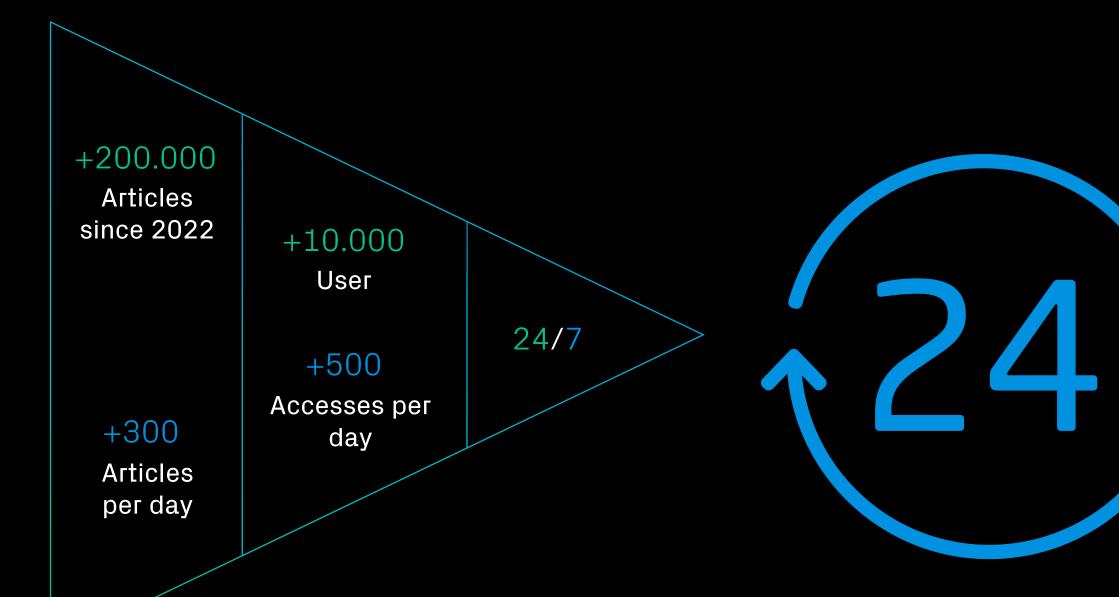
$$R = \frac{(23*1) + (2.89*0) + (1.04*0.5) + (0.82*0.5)}{27.75} * 100 = 86.23%$$

Achievements

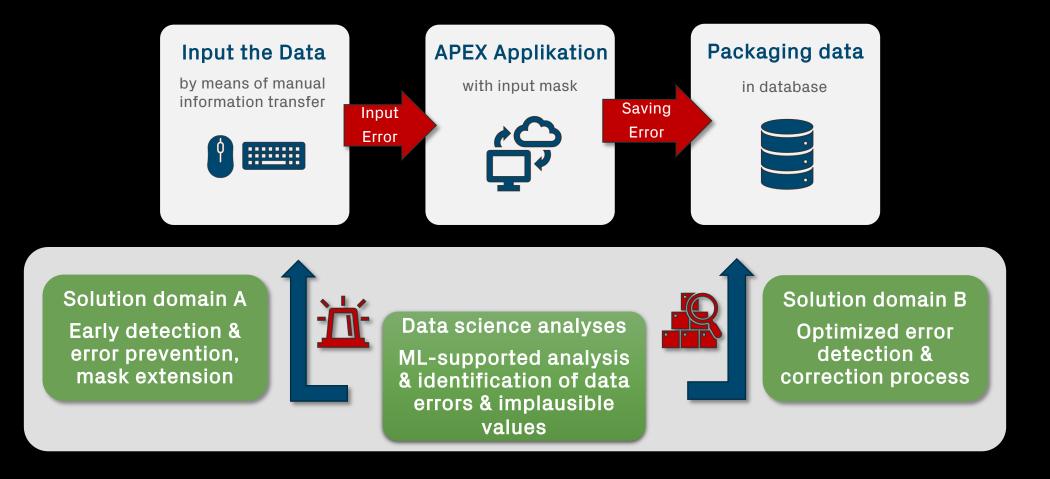
- From 2020 to 2022, we have already achieved a reduction of more than 80,000 tons of packaging material in our supply chain.
- In the 2023 financial year, around 75% of our packaging was recyclable. The recyclability of packaging is a prerequisite for producing valuable secondary raw materials that can ideally be reused for packaging.
- Our recycled content in plastic packaging was around 15% in the 2023 financial year.







Integration of Machine-Learning Processes





Sustainability Database.



Sustainability Database

A lot of trading companies can no longer avoid the topic of "Sustainability".

Sustainability is based on clear strategies, ethically correct and legally compliant behavior and efficient organizations.

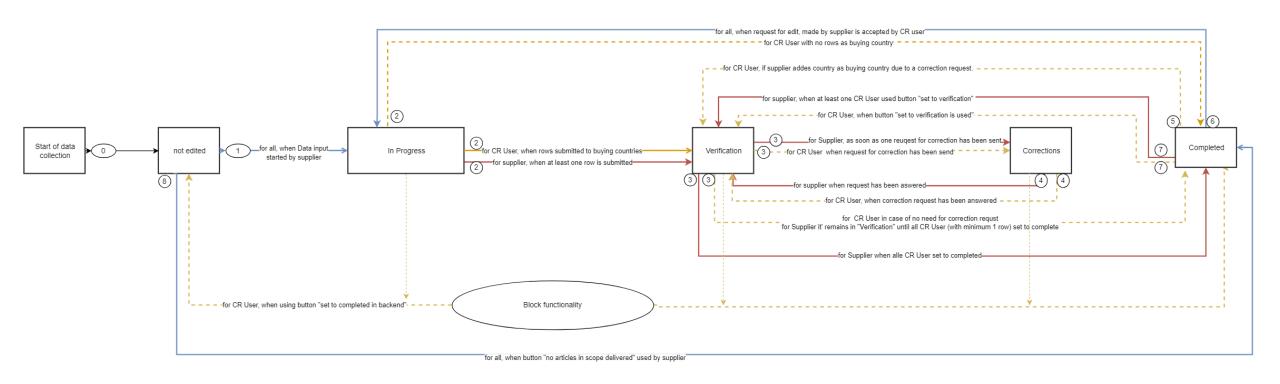
The selection of focus areas and corporate responsibility programs provides a clear path.

The goal is to enable safe and responsible consumption without a guilty conscience.





Workflow

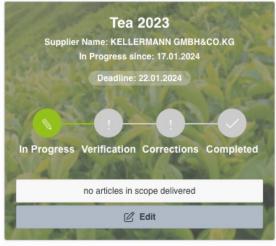


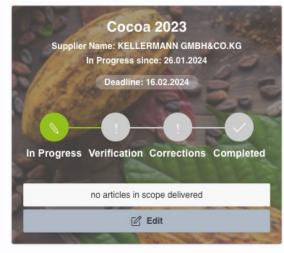


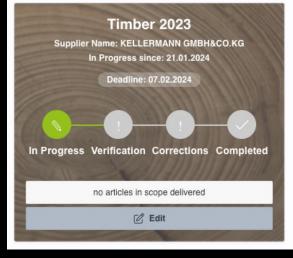
Overview

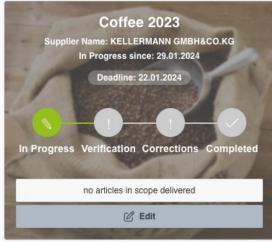




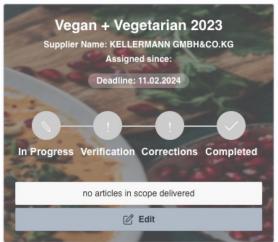












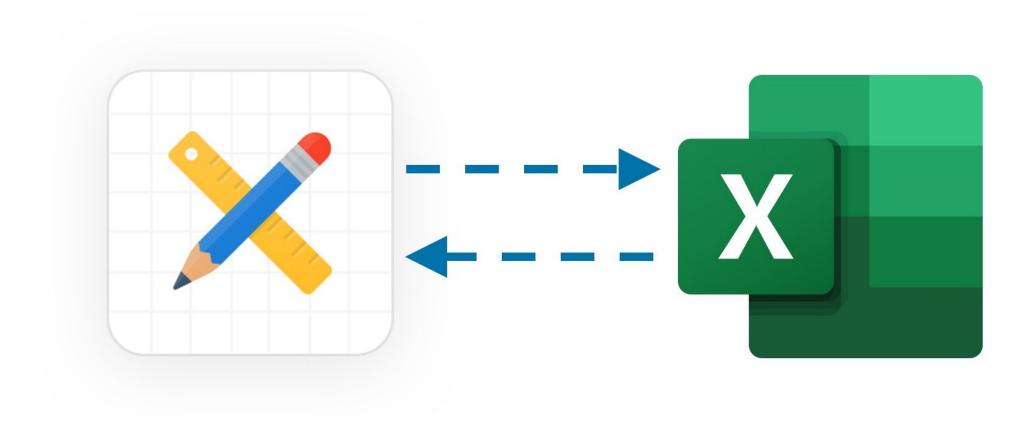


Data Input

Coffee Data				Certification standard/s of the article / raw material resp. grower / cooperative. Please tick the box(es) for the certification standards applicable to this article (variety)						
Col.Nr. 10	Col.Nr. 11	Col.Nr. 12	Col.Nr. 13	Col.Nr. 14	Col.Nr. 15	Col.Nr. 16	Col.Nr. 17	Col.Nr. 18	Col.Nr. 19	Col.Nr. 20
Weight per article [g]	Total quantity delivered in retail units [#]	Total quantity delivered [kg]	Percentage of coffee [%]	Total quantity of coffee delivered [kg]	Country of processing / packing of coffee	Country of origin of the coffee	Region of origin of coffee	Rainforest Alliance	Fairtrade (all that can be)	EU-Bio
500	208800	104400	7	7308		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
500	339120	169560	9	15260.4		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
500	130320	65160	7	4561.2		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
500	180960	90480	7	6333.6		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
500	305040	152520	9	13726.8		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
500	118080	59040	4	2361.6		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
100	449316	44931.6	18	8087.69		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
180	906552	163179.36	7	11422.56		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
200	428988	85797.6	16	13727.62		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
200	443568	88713.6	14	12419.9		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
275	135828	37352.7	10	3735.27		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
275	2304	633.6	10	63.36		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
275	85140	23413.5	10	2341.35		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
250	47808	11952	7	836.64		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
250	47808	11952	9	1075.68		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
200	95616	19123.2	14	2677.25		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			
250	49920	12480	7.4	923.52		India - IND (356), Brazil - BRA (076)	India - IND (356), Brazil - BRA (076)			

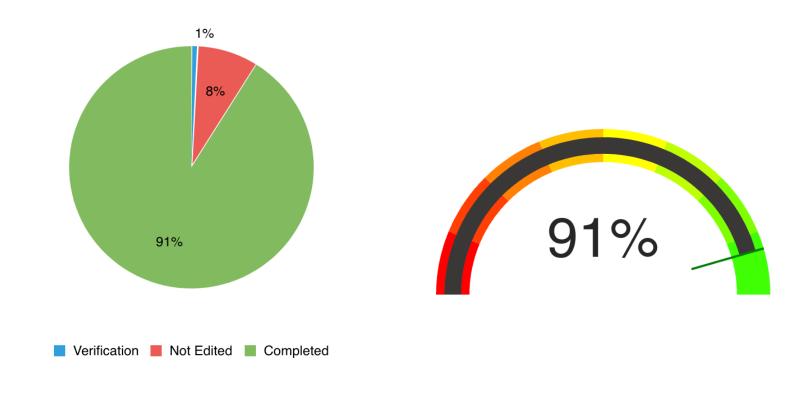


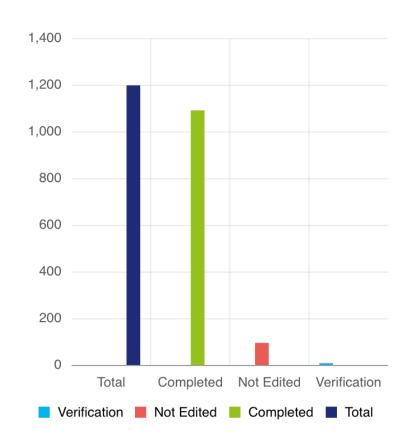
Excel Import/Export via Excel Gateway for Oracle APEX





Monitoring







Reporting

CERTIFIED SUSTAINABLE FISH AND SEAFOOD PRODUCTS

Share of own-brand products certified with the MSC, ASC, GLOBALG.A.P. or EU organic logo as a proportion of the total number of fish and seafood products, broken down by certification standard only online (in per cent)

In 2022, around 60 per cent of our own-brand fish and seafood products were certified with one of the following sustainability standards: the largest portion was attributable to the MSC certification standard (around 62 per cent), followed by ASC certification (around 29 per cent), GLOBALG.A.P. certification (around 12 per cent) and products with the EU organic logo (around 3 per cent).

	2020	2021	2022
Belgium/Luxembourg ¹	74.3	76.8	81.4
Denmark	88.9	71.6	71.6 ²
France	54.1	57.2	57.5
Germany	85.8	83.9	78.4
Netherlands	80.6	73.7	74.4
Poland	42.2	73.5	54.0
Portugal	51.0	49.5	43.6
Spain	37.8	29.9	24.9
	60.0	59.8	60.3

CERTIFIED SUSTAINABLE COTTON

Share of sustainable cotton as a proportion of the total volume of cotton in the clothing and home textiles product groups from the standard and special-buy product ranges, broken down by certification standard only online (in per cent)

	2020	2021	2022	
Belgium/Luxembourg ¹	74.7	88.9	91.2	
Denmark	63.7	88.9	93.6	
France	52.1	71.9	74.1	
Germany	64.9	85.1	92.4	
Netherlands	49.5	69.3	89.2	
Poland	64.8	89.3	93.3	
Portugal	76.4	89.4	92.3	
Spain	68.7	65.0	95.8	
	64.1	82.0	90.6	

FSC®- OR PEFC™-CERTIFIED PRODUCTS

Share of own-brand products certified according to FSC ® or PEFC™ as a proportion of the total number of own-brand products from the standard and special-buy product ranges with elements made of wood, board, paper, cellulose-based viscose and non-woven fabric, as well as bamboo, broken down by certification standard only online (in per cent)

FSC® 100%, FSC® MIX and PEFC™ are considered to be certification standards. In 2022, the largest portion was attributable to FSC® 100% certification (around 50 per cent followed by FSC® MIX certification (around 36 per cent), and PEFC™ certification (around 14 per cent).

	2020	2021	2022
Belgium/Luxembourg ¹	97.2	94.3	97.0
Denmark	95.0	92.5	93.22
France	92.6	87.9	89.2
Germany	95.2	94.2	94.1
Netherlands	90.7	86.3	87.7
Poland	89.8	94.0	89.9
Portugal	96.7	95.2	93.3
Spain	97.5	97.9	96.0
	93.2	92.6	92.1





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What's Next?!





Introduction Examples

3 Q&A

Are you interested?



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