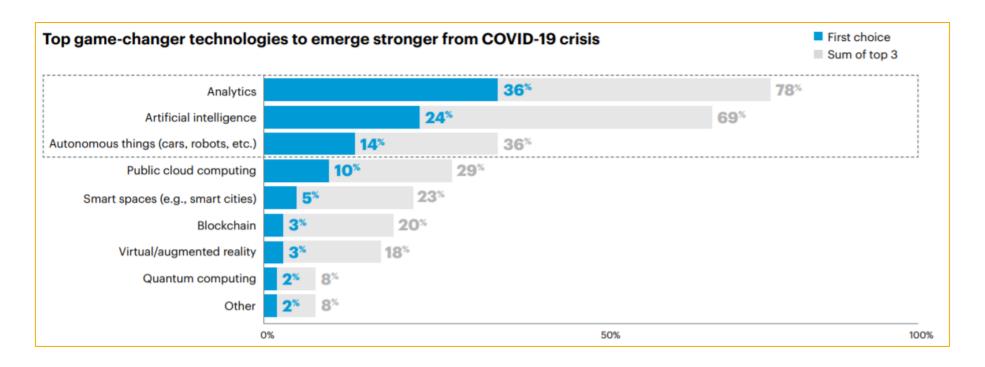


# Achieve Transparency in Sustainability Business Priorities with the Help of Analytics

**Dominik Schrank Analytics Architect** 



## What importance do Analysts see in the area of Analytics .....



## ... and what are the biggest challenges?

- 1. Embed Analytics in business units
- 2. Perception of Analytics within the organization

## **Sustainability Analytics Use Cases**

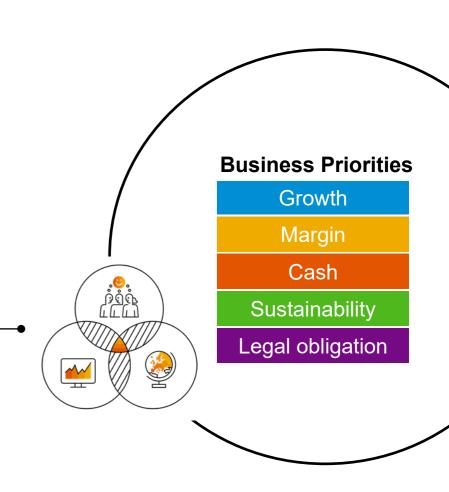
of consumers feel strongly that companies should help improve the environment. 1

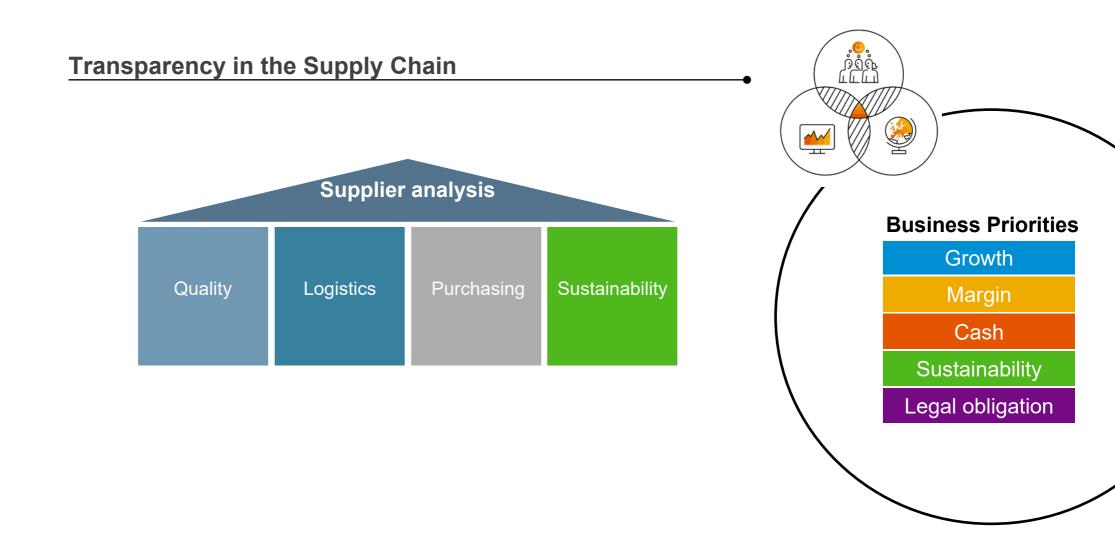
approx. impacted organizations in Germany to fulfill new legal obligations (supplier due diligence act). 2

EU-wide legislation likely to follow soon.

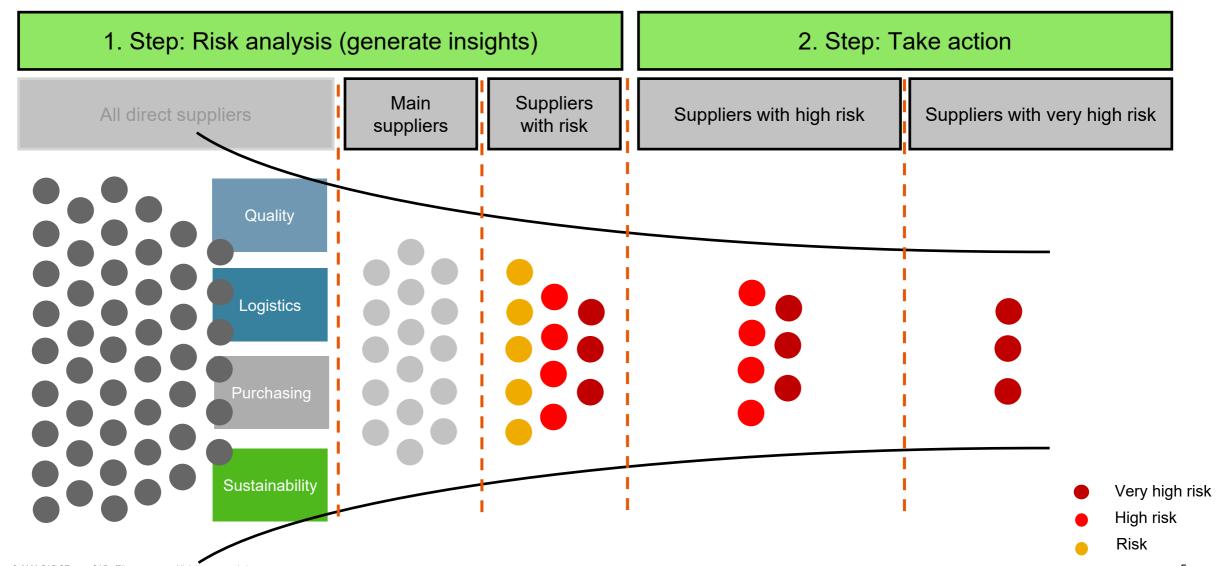
#### Use case

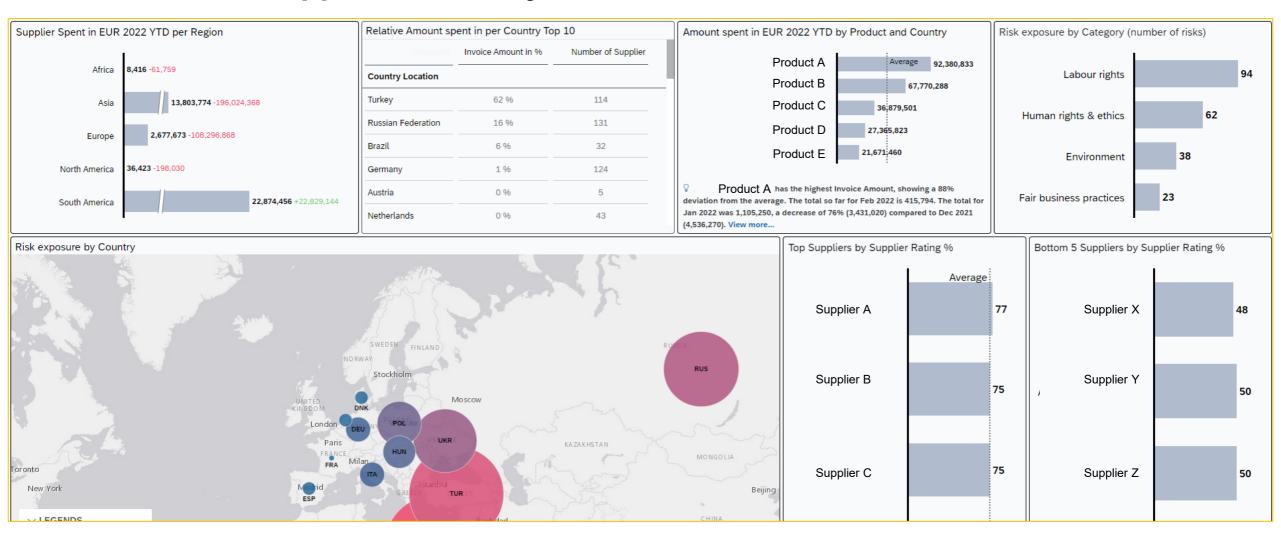
- Supplier risk analysis
- CO<sub>2</sub> emissions reporting

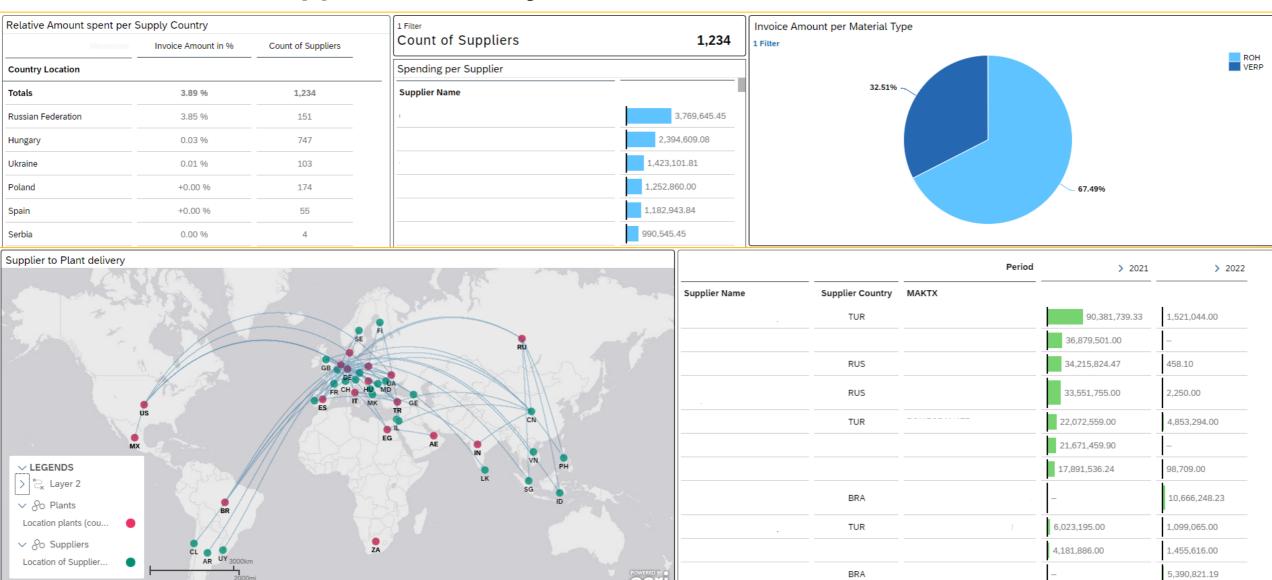


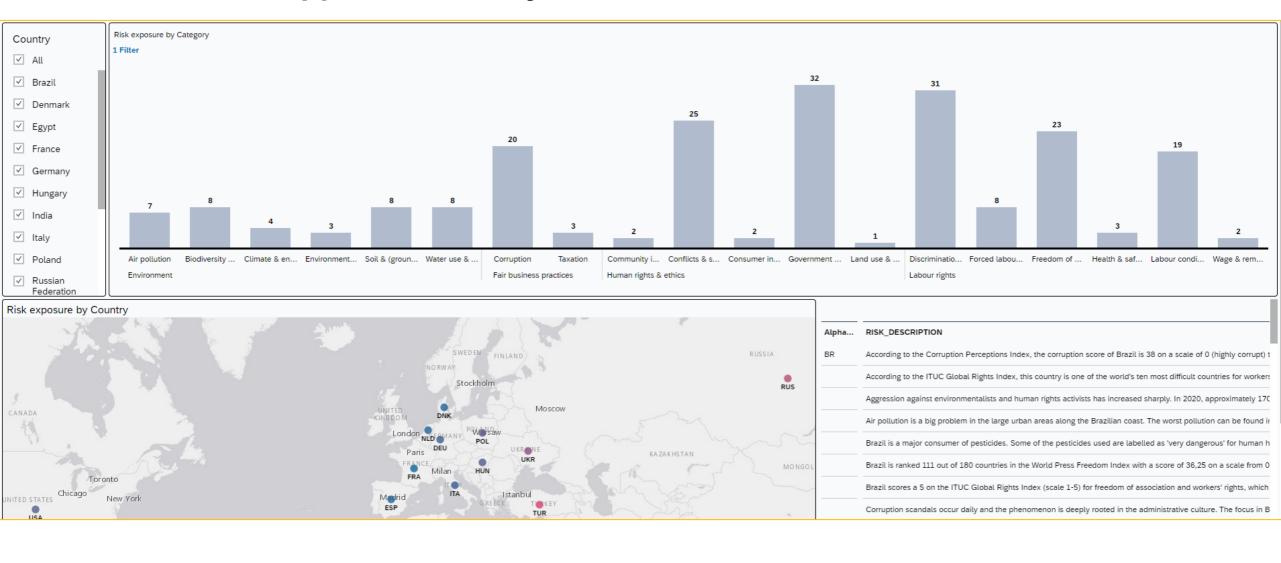


## Target picture – Identify supplier risk to take action



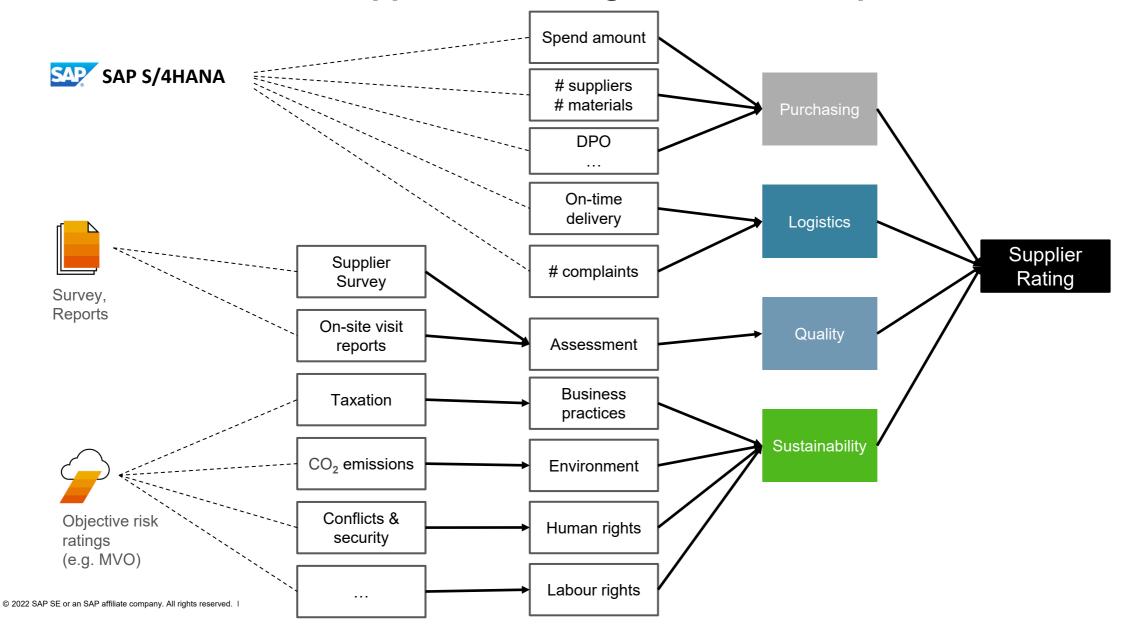








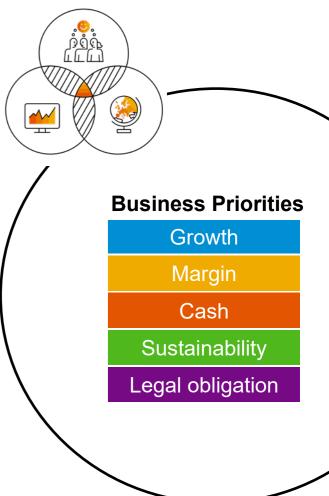
## I. Use Case – Holistic supplier risk rating based on multiple factors



#### **Motivation**

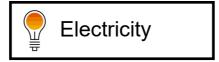
- Pressure from consumers and business partners
- Transparency on emissions according to Greenhouse Gas Protocol corporate standard
- Track energy consumption and compare production facilities





Data collection (production & non-production sites)

Electricity non-renewable [kWh]
Electricity RENEWABLE [kWh]
Electricity for production [kWh]
Electricity for non-production/ other [kWh]



. . .

Heavy fuel oil [tons]
Fuel oil [liter]
Brown coal [tons]

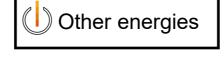
Natural gas [m³]

. . .

Tap water [m³]
Well water [m³]
Other water sources [m³]
Water for production [m³]

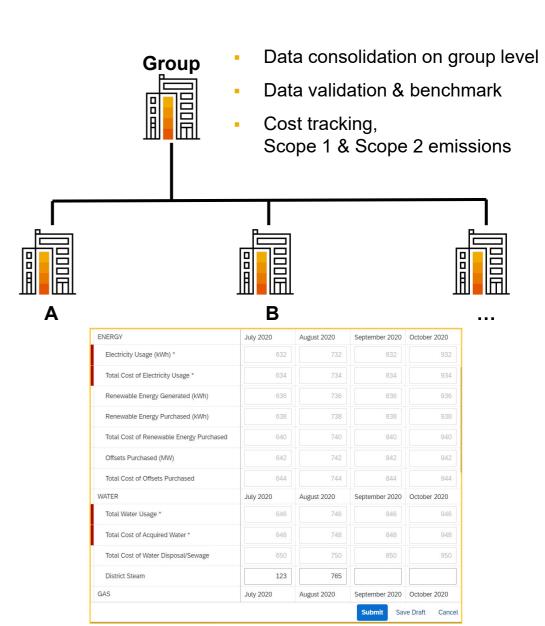
. . .

Plastic waste not recycling [tons]
Plastic waste recycling [tons]
Non-hazardous waste recycling [tons]
food waste, fruit and vegetable leftovers [tons]

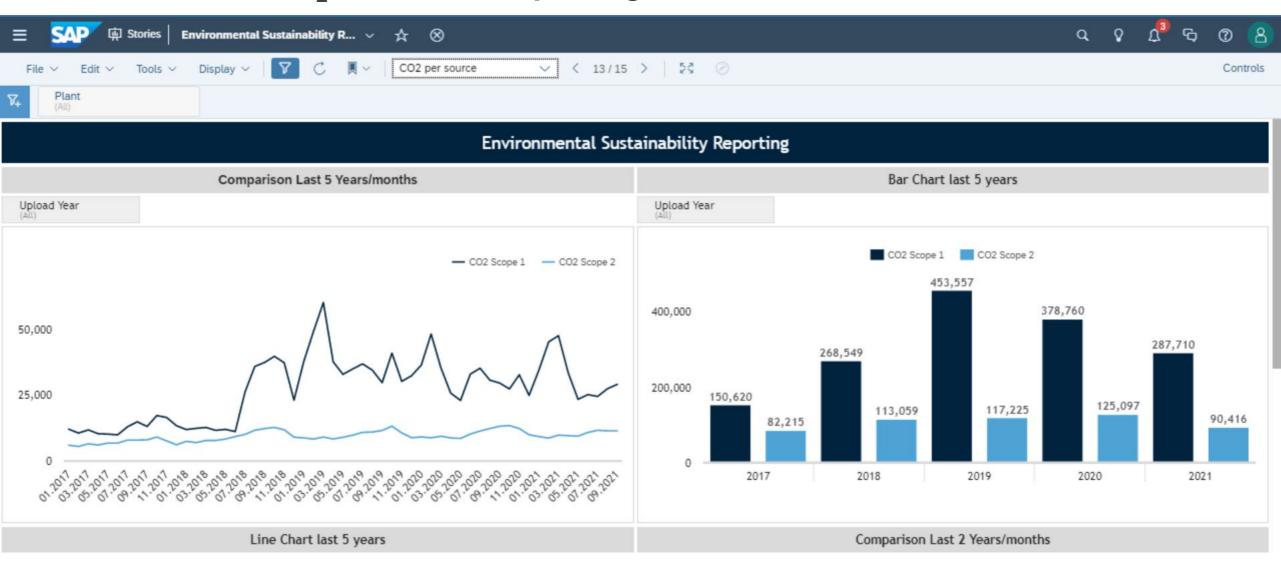


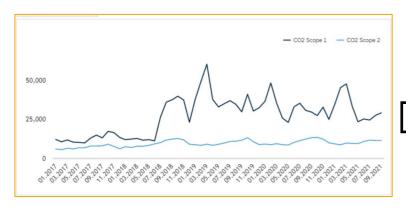






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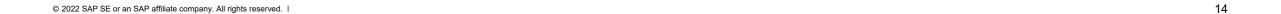




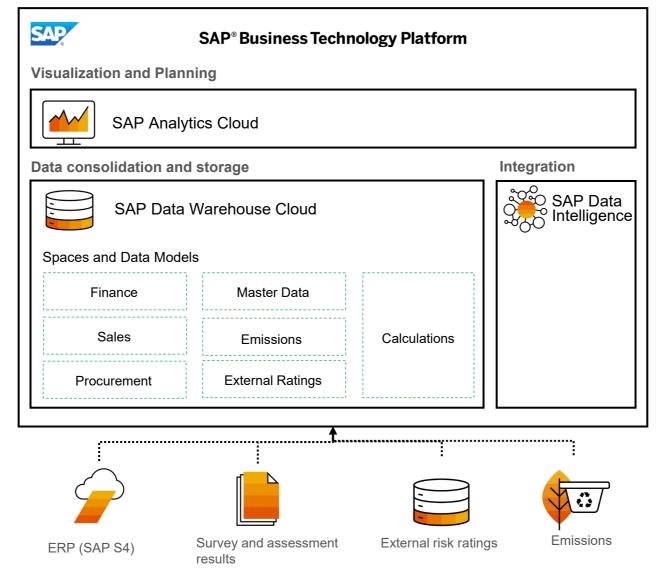
	Hazardou	s Waste per ton product (t/t)	Non-hazardous Waste per ton prod	ict (t/t)
		11.682		,
0				
5				
	0.103		0.168	0.268



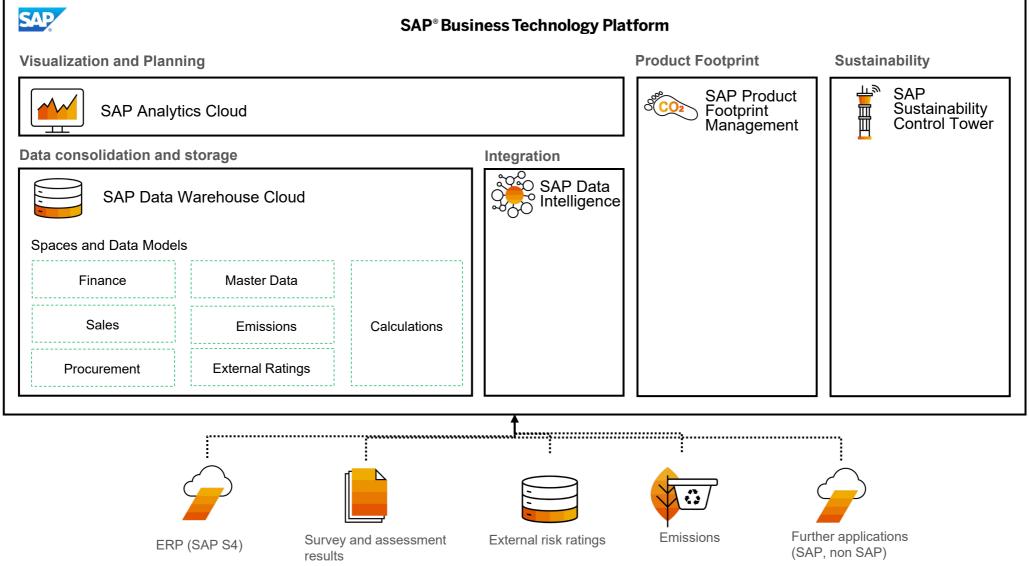
Goals	Target year	Base year	KPI target
Reduction of GHG emission by 25% of used energy sources.	2025	2020	5% reduction per location generated per calendar year.
50% reduction of GHG emissions, scope 1+2.	2025	2020	10% reduction per location generated per calendar year.
Reduction of water consumption by 25%.	2025	2020	5% reduction per location generated per calendar year.
Zero Kg waste disposal to landfill.	2025		To be set once site report data available.
75% waste is recycled / recovered or re-used.	2025		To be set once site report data available.
95% of plastic waste is recycled.	2025		To be set once site report data available.



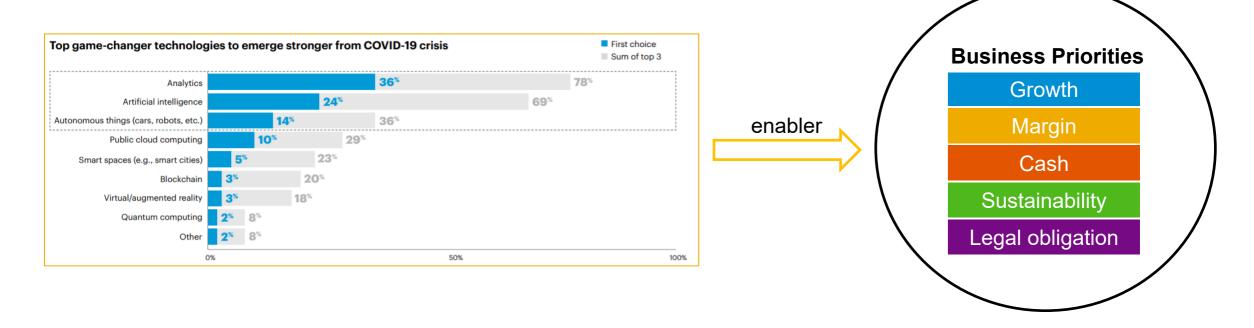
## **Current analytics architecture**



## Target – Holistic steering and scale sustainability reporting on one platform



### **Lessons learned**



#### Steps in the journey

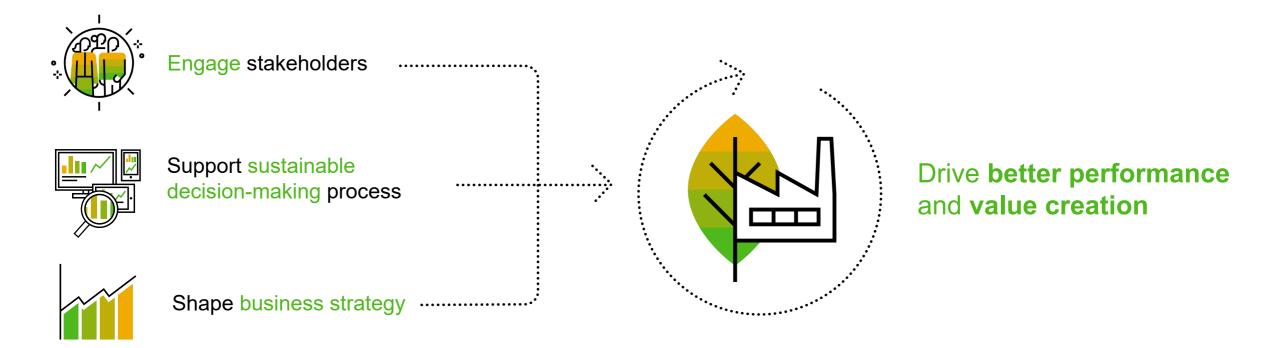
- 1. Align your data with the business strategy
- 2. Combine domain expertise and analytical skills
- 3. Change management

#### **Considerations to stay focused**

- 1. Narrow the scope
- 2. Automate tasks
- 3. Foster a strong data culture

### The time to start is now!

Analytics is a strategic tool to...



# Thank you.

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