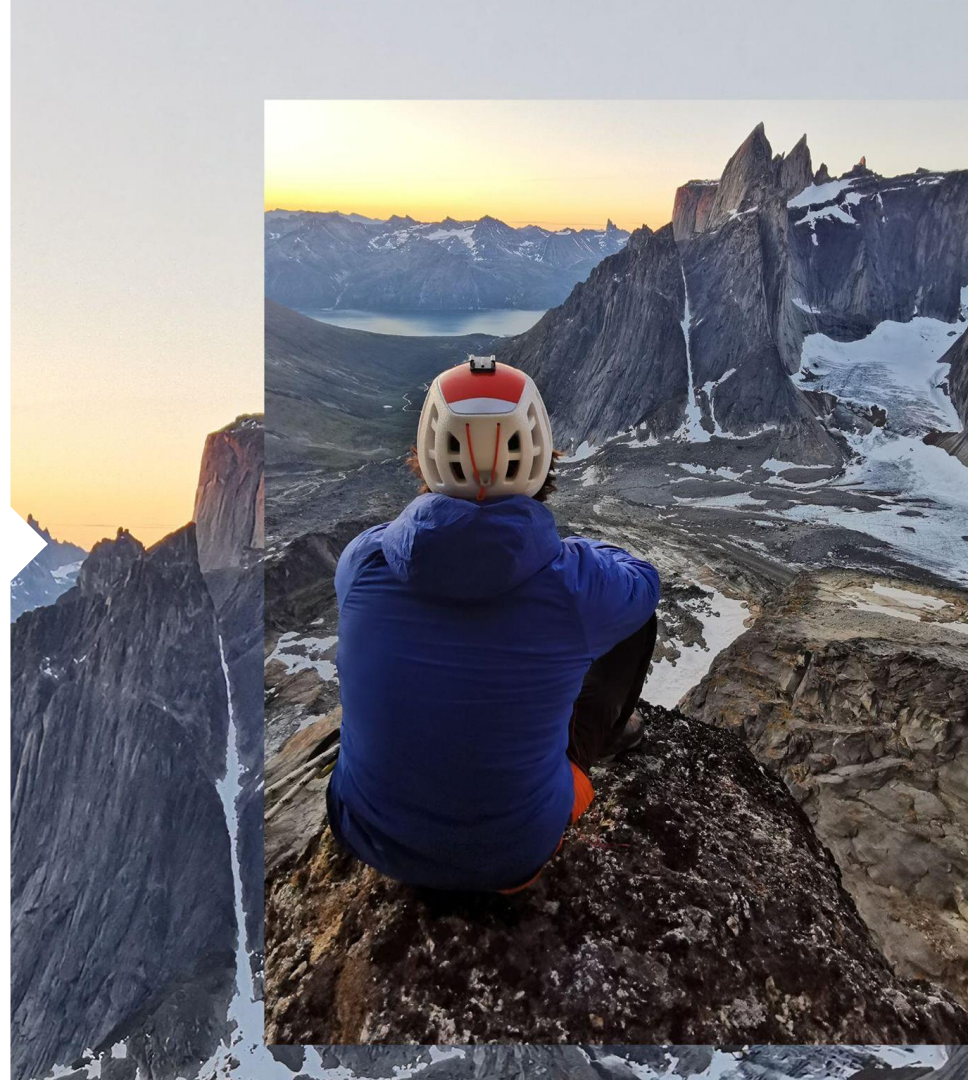


160 YEARS
FOR GENERATIONS TO COME



Global Packaging Procurement Sustainability Roadmap 2030

International Industrial Packaging Conference
September 28th - Ghent



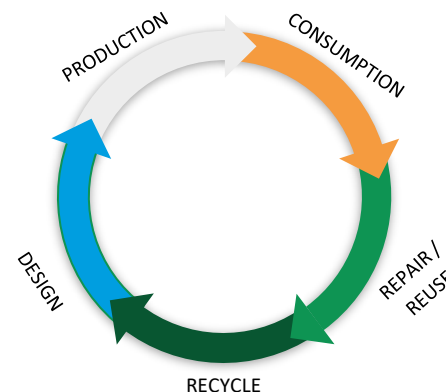
Accelerating pace



On our journey toward climate neutrality, Solvay has set ambitious goals and is striving to achieve - 24% CO2 emissions coming from Scope 3 by 2030*, **reaching -15% on worldwide upstream activities** (including packaging).

We want to turn our ambition into concrete actions by **moving away from linear make-use-waste models** and **integrate circular economy principles** into our packaging materials through:

- **Demand management** → reduce the use of packaging when possible
- **Sustainable solutions** → move towards packaging designed for recycling and increase the usage of packaging made of sustainable raw materials.
- **Partnering for shared success and increased circularity** → increase packaging end-of-life services for the recollection, reuse and recycling of used packaging materials.



How to get started



Solvay Mission

Together we can create a sustainable and shared future for all.

Global Packaging Procurement Vision

We are committed to reduce the negative environmental impact of packaging and foster a sustainable future by integrating circular economy principles in packaging procurement processes and throughout the supply chain.

Packaging Strategy

Focusing on two priorities: mobilizing strategic suppliers and accelerating circularity.



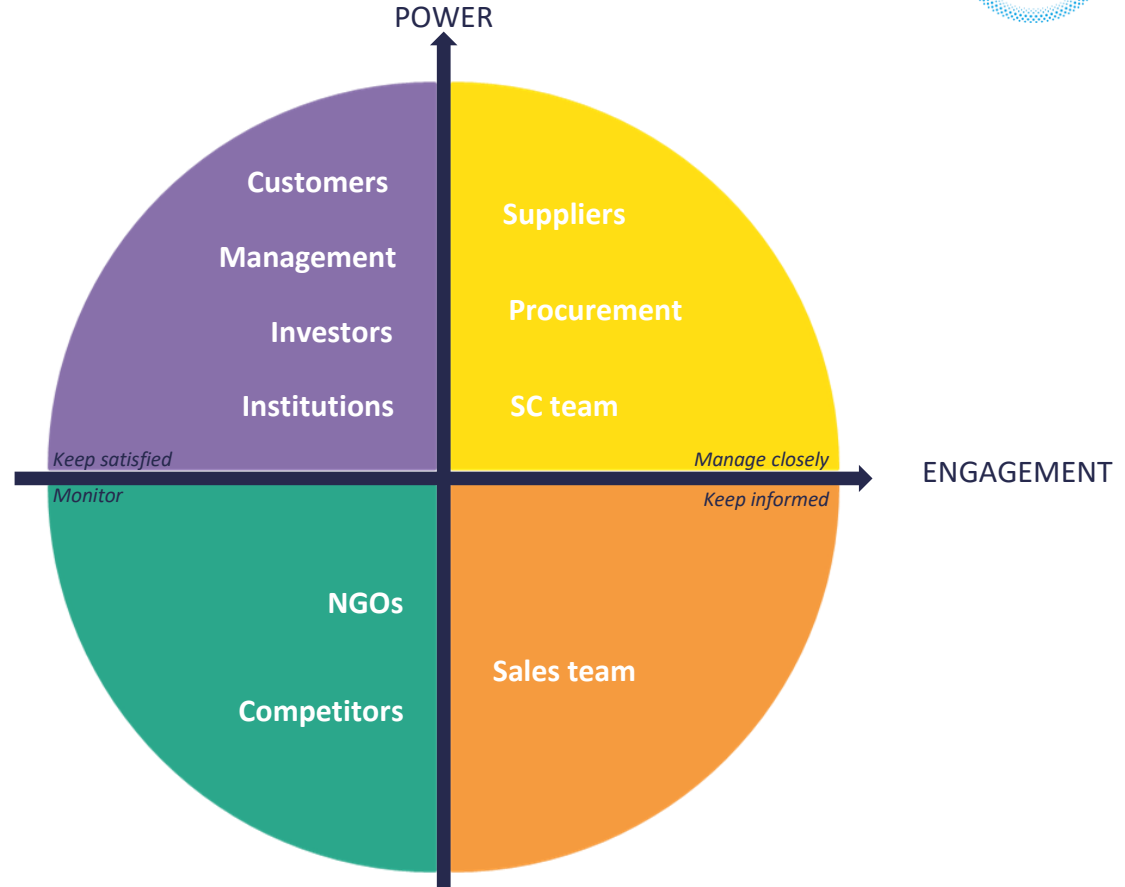
Stakeholders mapping



Engage with stakeholders to measure and influence changes to the packaging portfolio:

- Regularly review the operating landscape to highlight and comply with key changes in regulations
- Remain up to date with emerging technologies
- Monitor evolving needs and opportunities

Report against 2020 packaging baseline to track progress against targets and share progresses through internal and external communication.



Organisational archetypes



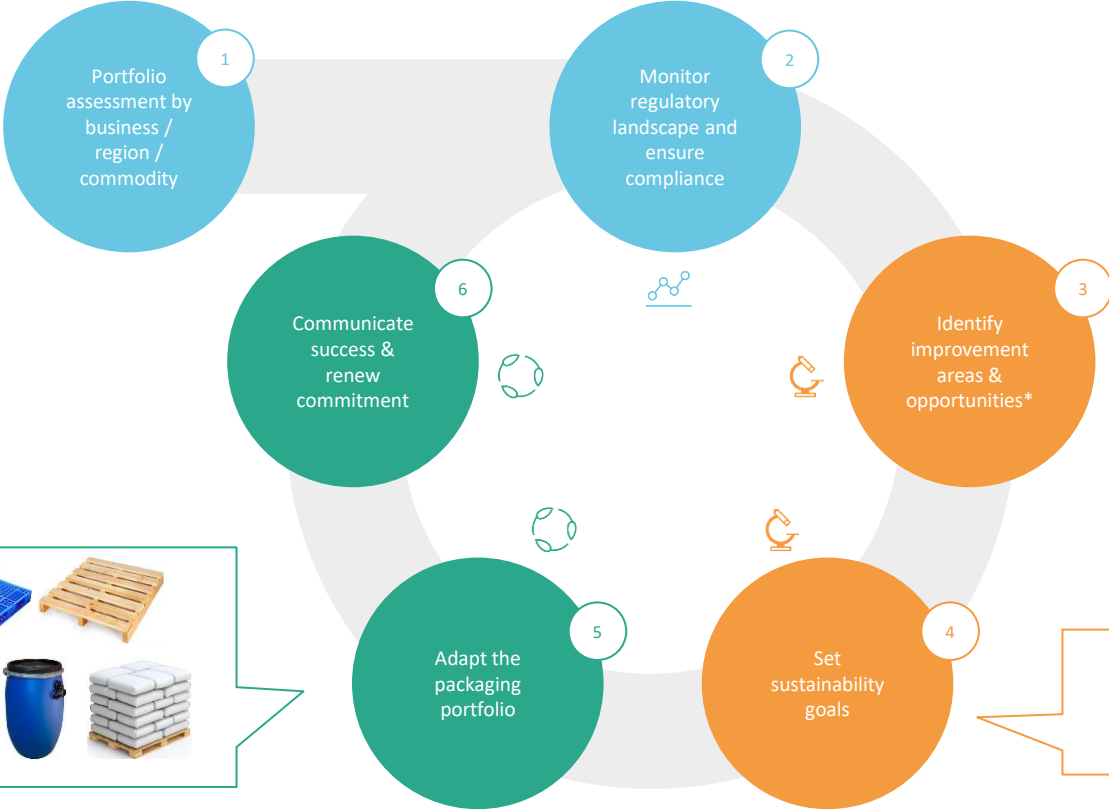
The goal is to reach an holistic strategy approach for all packaging commodities by 2025.



by 2025

2030

Roadmap



**Opportunities include the evaluation of substitutes and / or the elimination of packaging itself*



Improvement areas and opportunities



Demand management	Elimination / reduction of packaging
Raw materials and design	Down gauging and design for recycling
	Recycled content (PIR, PCR)
	Alternative, bio-based materials
End-of-Life services	Reconditioning and re-use
	Collection for upstream recycling

- Improve lead-time & secure supply chain
- Reduce carbon footprint
- Minimize exposure to plastic taxes
- Optimize the cost of packaging

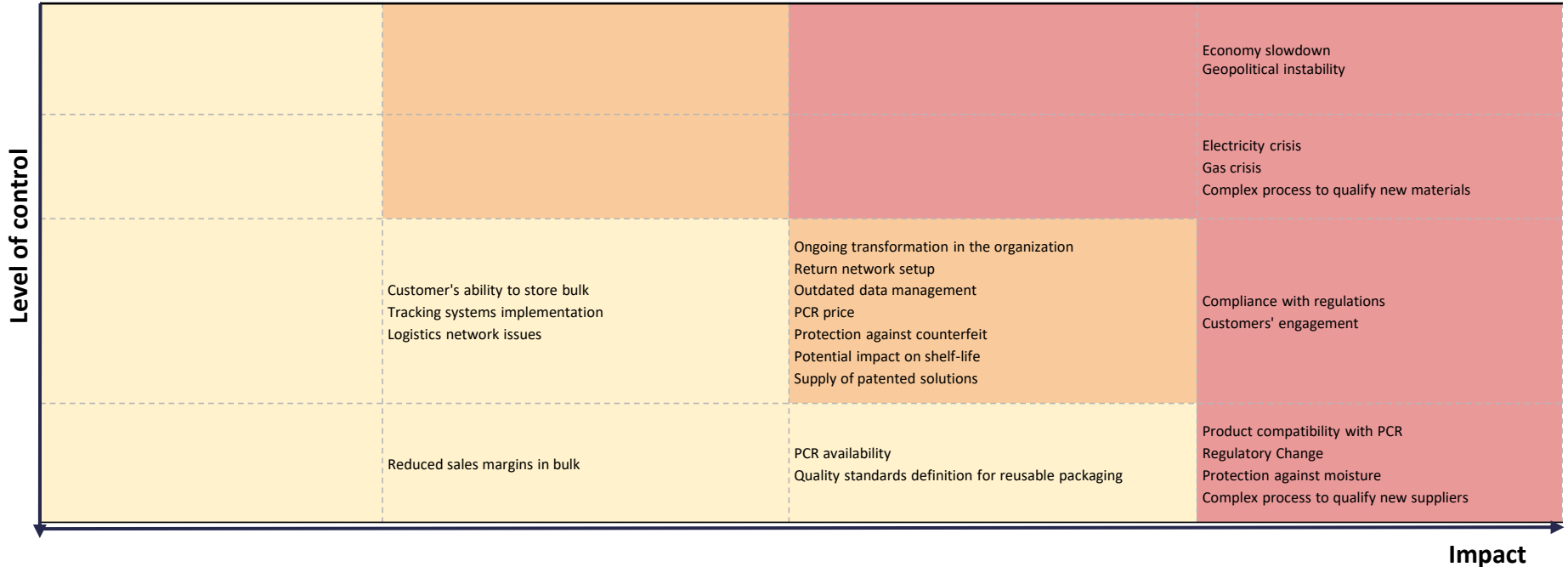
PCR = Post Consumer Recycled Resins
PIR = Post Industrial Recycled Resins

Risk assessment



We run an analysis to identify potential risks that could undermine the implementation of the roadmap or decrease its efficacy and success.

Whenever possible, countermeasures and mitigation plans have been drafted for **critical factors**.



Set sustainability goals Solvay



Type of packaging		2020 CO ² emission Baseline	Target 2025 - compared to volumes baseline of 2020	Target 2030 - compared to volumes baseline of 2020
Rigid packaging		121K Tonnes	110K Tonnes	102K Tonnes
Flexible packaging		42K Tonnes	38K Tonnes	35K Tonnes
Pallets		25K Tonnes	22K Tonnes	21K Tonnes
Corrugated Paper bags		19K Tonnes	18K Tonnes	16K Tonnes
<i>Estimated total</i>		207K Tonnes	188K Tonnes	174K Tonnes

Priority areas and opportunities



Priority Solvay

Type of packaging		Demand management	Raw materials	End-of-life services
Rigid packaging		<ul style="list-style-type: none"> Promote bulk transport Move to higher scale drums / IBCs 	<ul style="list-style-type: none"> Downgauge thickness Include PCR 	Recollection, reconditioning and recycling
Flexible packaging		<ul style="list-style-type: none"> Promote bulk transport Move to higher scale big bags 	<ul style="list-style-type: none"> Design for recycling, moving to mono-material product Downgauge thickness Include PCR 	Recollection, reconditioning (<i>FIBCs only</i>), and recycling
Pallets		Promote bulk transport	<ul style="list-style-type: none"> Plastic pallets: include PCR 	Plastic pallets: pooling, renting Wooden pallets: recollection, reuse/recondition, refurbish
Corrugated Paper bags		Promote simplification in packaging	<ul style="list-style-type: none"> Design for recycling, moving to mono-material product Downgauge thickness 	Recycling

Some examples of the work in progress

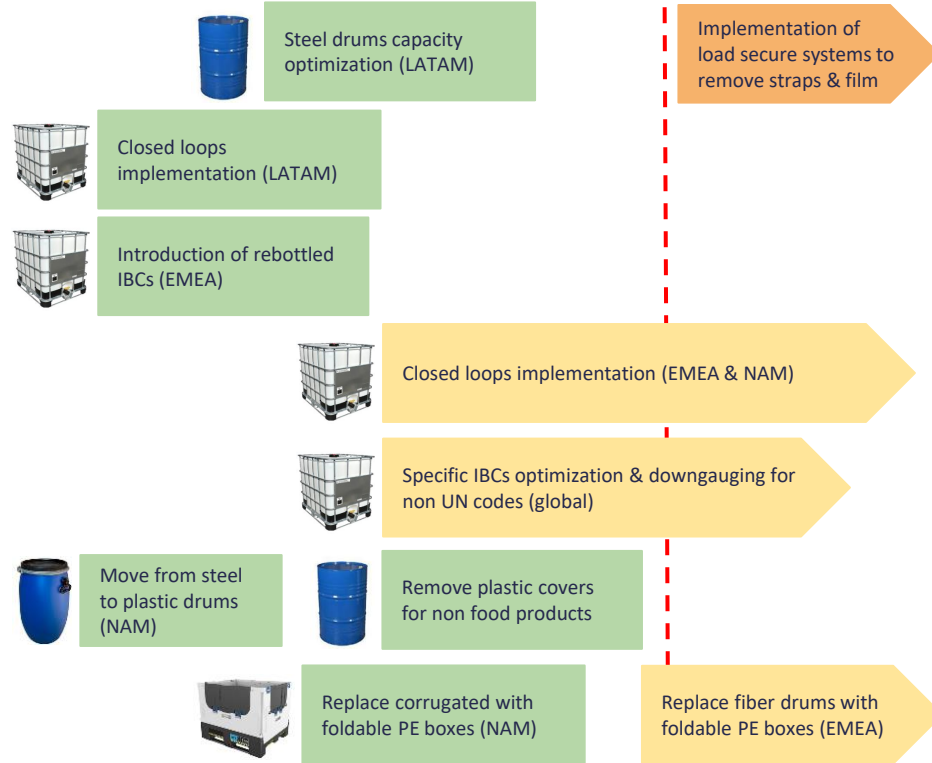
- Implemented
- Ongoing
- Not started



2018



Rigid packaging



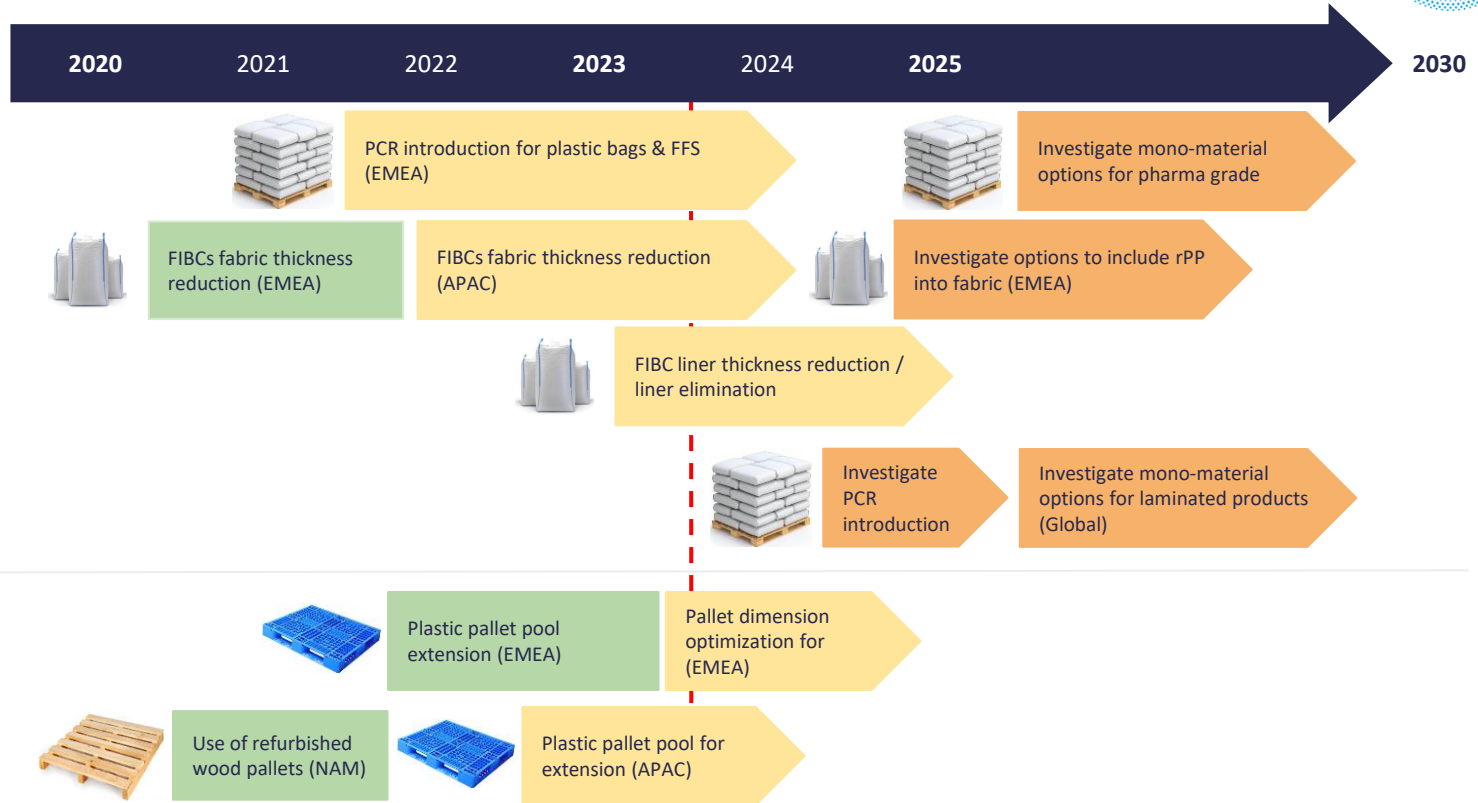
* Saved tons per year as per implemented projects + partial results from ongoing initiatives

Some examples of the work in progress

- Implemented
- Ongoing
- Not started



2018



* Saved tons per year as per implemented projects + partial results from ongoing initiatives

Thank you.

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