RECYCLING DEFINITION AND END-OF-WASTE CRITERIA
ENSURE SIMILAR立法 REQUIREMENTS TO ALL TECHNOLOGIES

MECHANICAL RECYCLING
CHEMICAL RECOVERY TECHNOLOGIES (PYROLYSIS AND GASIFICATION)

Reporting and monitoring obligations to assess the quality of recycled material from the human safety point of view.

Methodology calculating recycled content from mechanical recycling is straightforward and based on segregation—meaning that there is no mix of recovered and virgin substances to meet requirements for plastic products.

Within a level-playing field: solution for waste that cannot be mechanically recycled. Without a level-playing field: risk of outcompeting mechanical recycling and fighting for the same waste input.

Deemed to have enough insurance regarding safety point of view but there are still debates on the capacities of such technologies to remove substances of concern from feedstock, i.e. pyrolysis oil.

Lower environmental benefits and reduced maximum recycling rates.

CURRENT SITUATION

The new definitions of recycled materials in the Regulation, in particular that materials should be of a similar quality and represent a certain degree of technical and environmental performance, will significantly affect the value chain and the logistics of recycling operations in Europe.

Since the process relies on an integrating collection of materials, which is often transferred between different actors, there can be a non-transparent and non-transparent recycling process.

Recovery and recycling technologies are already covered by EU Regulation (EU) 2022/1616, while current legislation focuses on chemical recycling, making it difficult to present chemical recycling as a viable and competitive alternative to mechanical recycling.

WHAT'S AT STAKE

The viability of existing mechanical recycling technologies is threatened by chemical recycling.

Our findings:

- Within a level-playing field: solution for waste that cannot be mechanically recycled.
- Without a level-playing field: risk of outcompeting all recycling including mechanical and chemical, and fighting for the same waste input.

CONCLUSION

Ensure similar legislative requirements to all technologies.