



# Monitoring Recyclates for Europe

Together we will achieve MORE

# Latest EU Policy Developments



The European Union is continuously encouraging the plastic industry to become more circular and to ***increase the amount of recycled polymers in products.***

The European Commission recently made legislative proposals introducing new waste-management targets regarding:

- reuse, ***recycling*** and landfilling
- strengthening provisions on waste prevention and extended producer responsibility
- streamlining definitions, ***reporting obligations*** and calculation methods for targets
- Setting up of the **Circular Plastics Alliance (CPA)**

# The CPA Declaration signed on 20/9/19



- ***Extract “Monitoring WG “ in the CPA using MORE***

We commit to set up by 01/01/2021 a harmonised EU value chain voluntary system to monitor volumes of recycled plastics used in European products. The system will be transparent, trusted and ensure traceability of the data.

The objective is to aggregate and/or generate data from these three stages:

collected & sorted plastics waste; the recyclers' inputs and outputs (including imports and exports) and; ***the converters' inputs and outputs of the use in market segments of recycled plastics (including imports and exports)***. We commit to have the system and data audited.

We call on all stakeholders to actively support the set-up and use of the system. We call on all public authorities across the EU, as well as Extended Producer Responsibility schemes, to collect and share the necessary data. Preferably by mass balance, by polymer/country/market segment /legal compliances

On an aggregate tonnage basis in order to **track the 10 million tonnes target**

The European Commission launched a campaign, calling stakeholders to submit voluntary pledges for recycled plastics, and almost **70 voluntary pledges** were submitted by companies and industry associations by the end of 2018.

The target is **10 million tones of recycled plastics by 2025**, which should find their way into new products in Europe.

Matching supply and demand/use of recycled polymers?

# More is expected from the plastics industry...

**The plastics converting industry in Europe composed of many SMEs decided to have a common voluntary industrial approach.** Plastics converting companies play a crucial role in the transition towards a more circular economy.

Every kg of recycled polymers is going through a plastic converting facility and as such **converters are the best placed to monitor the progress in Europe on the performance and quantity of recycled polymers used .**

# Proactive Industry Approach in Europe

# A mountain to be climbed towards 2025...

26-27 SET 2019  
APIP PLASTICS SUMMIT

There is a long road ahead...

Currently, **the industry is annually reusing ~5 MT of recycled polymers** and the aim of 10 MT of recycled polymers reused annually by 2025, can be only achieved by working together with the industry.

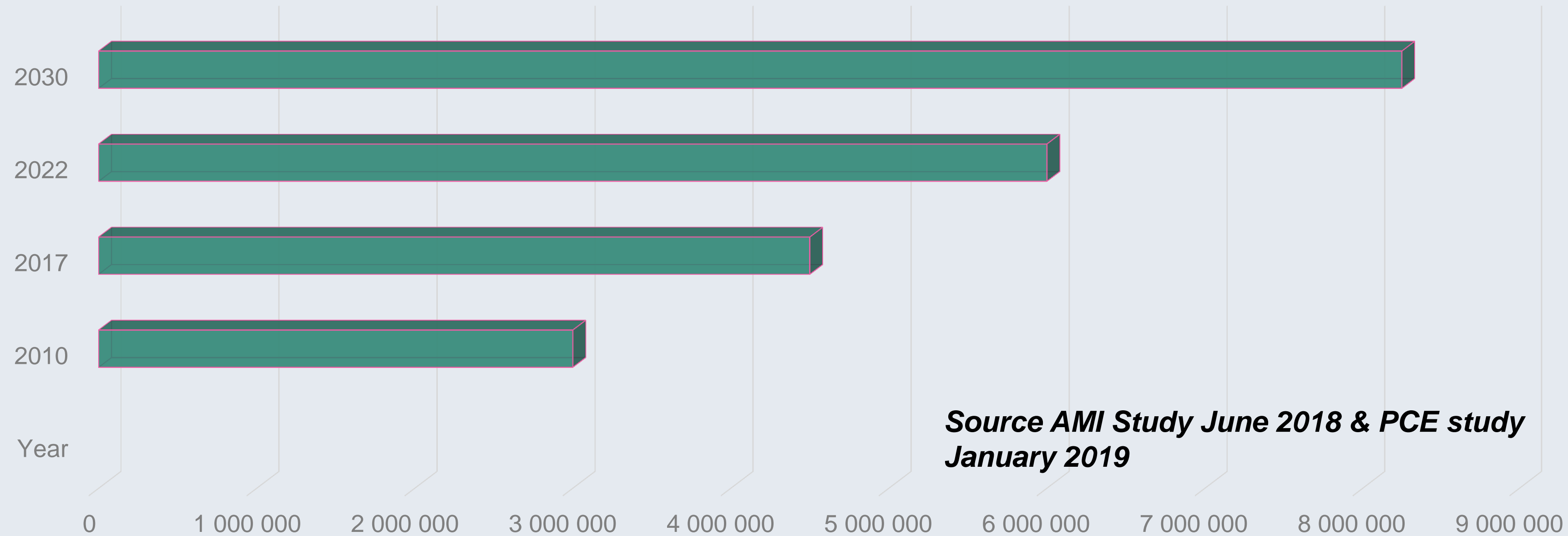
Making plastics **MORE** circular is a common objective of the polymer value chains.



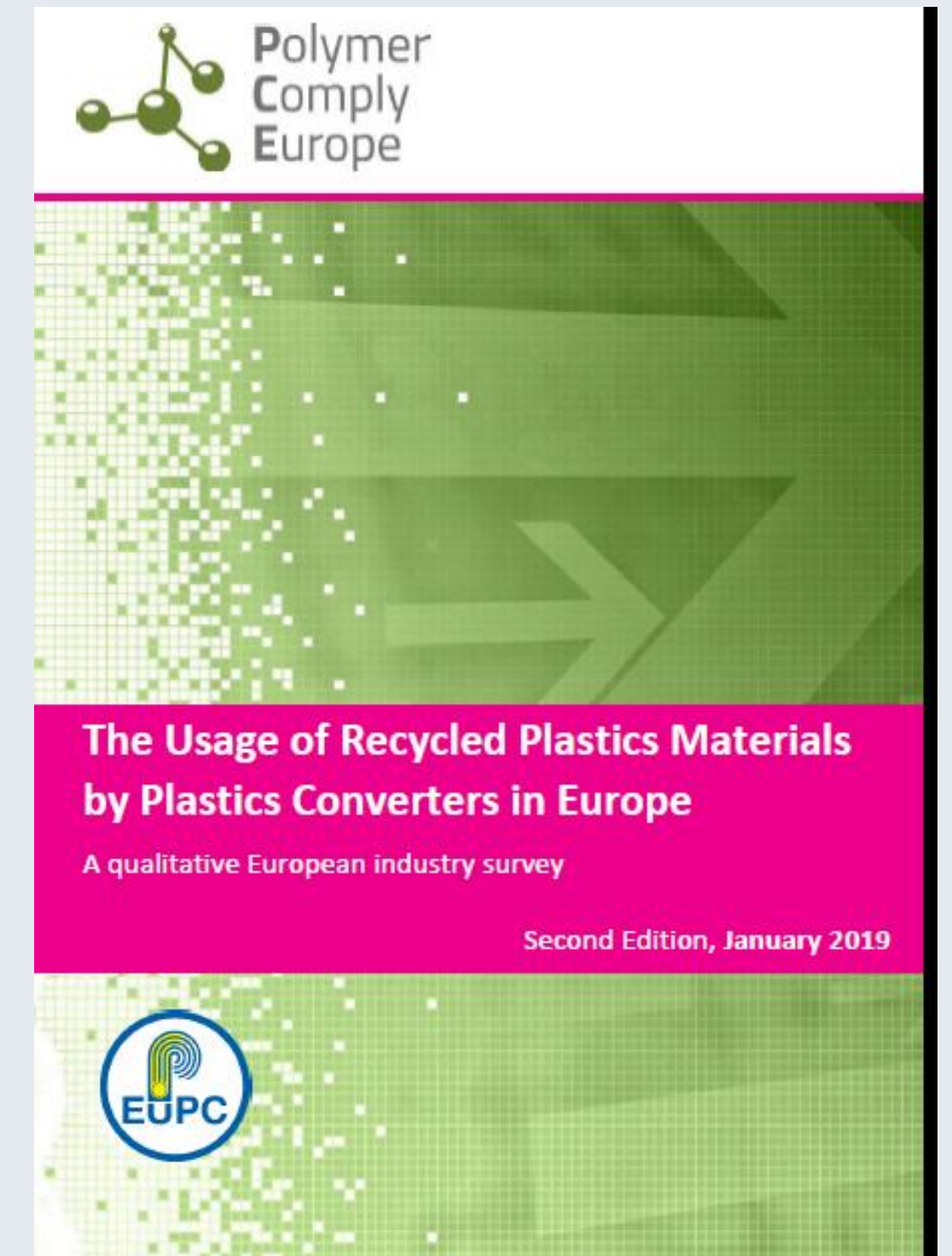


# Estimated future use of recycled plastics

26-27 SET 2019  
APIP PLASTICS SUMMIT



Source AMI Study June 2018 & PCE study January 2019



If performance can be assured, the demand for recyclates will continue to grow. Reaching the target in 2025 will depend on performance evolution & investments.

EuPC, in collaboration with its member organisations and in support of the European Commission & CPA, developed a monitoring tool for the plastics converting industry. *The aim is to register 10 MT of recycled polymers* reused in products annually by 2025 – 2030 (excl. internal production scrap).

An **EU harmonised IT Platform** to register and monitor the quantity and performance of recycled plastics used by plastic converters per polymer/country and market segment is finally possible.

In order to demonstrate the efforts of the European plastics converting industry, to avoid additional discriminating regulations and to *stimulate a higher uptake of recycled polymers*, we are proud to introduce...

# The MORE Platform

MORE is a single, unified IT platform and tool used to monitor the performance and quantity of uptake of recycled polymers in Europe. It is **a short survey** for potentially 50,000 plastics converters in Europe. The platform is fully in **compliance with EU competition law**.

*Quality requirements are polymer specific* and will also be monitored by MORE to ensure the *right performance* will be achieved for the applications where recycled polymers will be used in the next decade.

The MORE platform is:

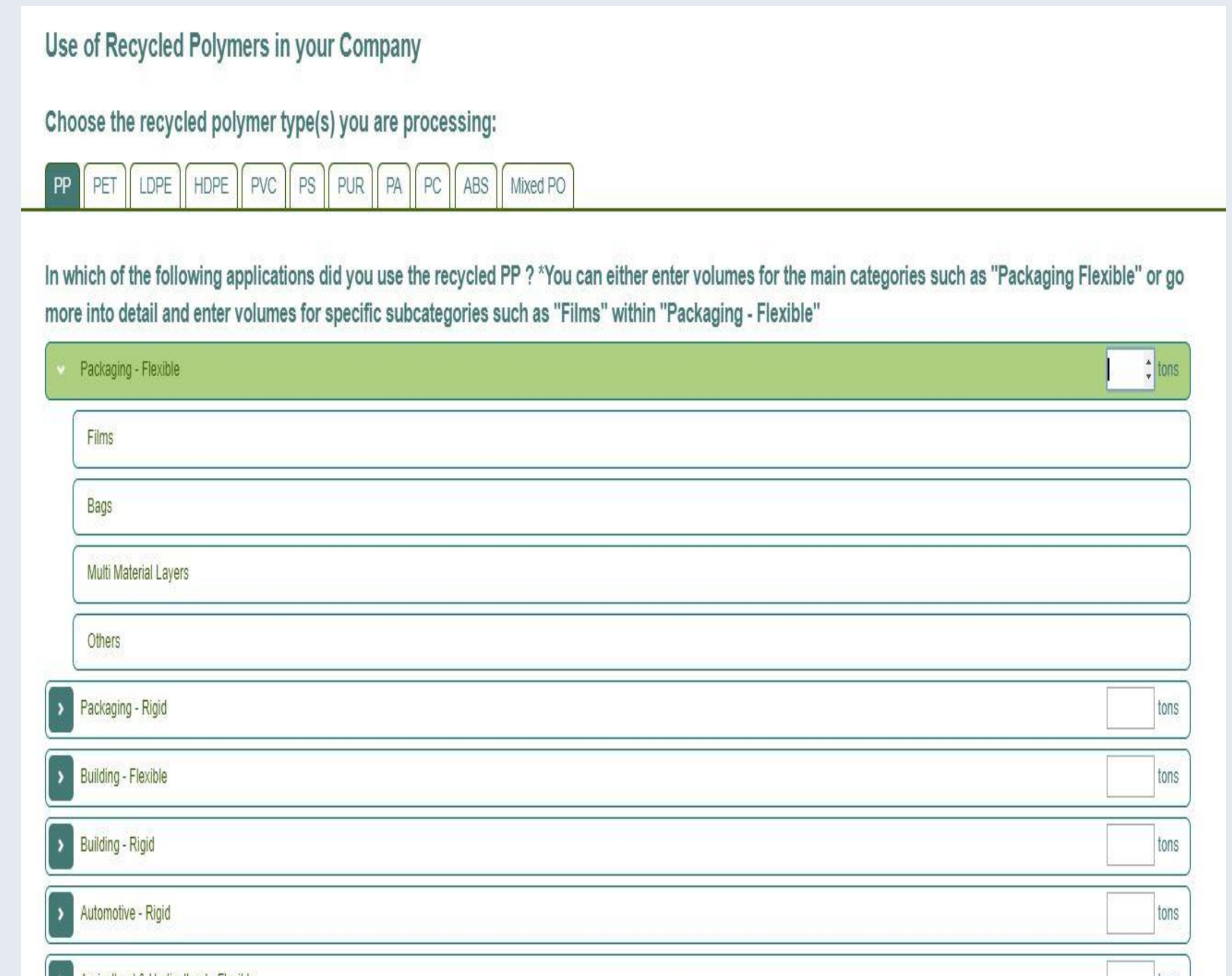
- User Friendly
- Highly Protected with external certification
- Offers EU harmonised data consolidation per country / market & polymers
- Available in all EU languages and free of charge for companies

One platform **supported & managed by national & EU plastics converters organisations** in Europe working in several polymer value chains.

The platform can be found here:

[www.moreplatform.eu](http://www.moreplatform.eu)

MORE has **multilingual access**, it is easy to use and available both via website and mobile application (MORE app).



Use of Recycled Polymers in your Company

Choose the recycled polymer type(s) you are processing:

PP PET LDPE HDPE PVC PS PUR PA PC ABS Mixed PO

In which of the following applications did you use the recycled PP? \*You can either enter volumes for the main categories such as "Packaging Flexible" or go more into detail and enter volumes for specific subcategories such as "Films" within "Packaging - Flexible"

▼ Packaging - Flexible  tons

Films

Bags

Multi Material Layers

Others

► Packaging - Rigid  tons

► Building - Flexible  tons

► Building - Rigid  tons

► Automotive - Rigid  tons

► Agricultural & Horticultural - Flexible  tons

# Highest levels of data protection

Our IT team followed the **best practices for the coding procedure** (eloquent queries are used, passwords are hashed in the DB, etc.).

**The Laravel framework is used for the web page.** This framework equips all the controls necessary to prevent abuse (XSS, CSRF, SQL Injection, etc.).

**The Bcrypt algorithm is applied for password encryption,** which is among the strongest password hashing functions.

**The data is stored on the Microsoft Azure Cloud platform.** Azure is among the leading hosting and infrastructure providers.

The platform has **VAT number registration** to avoid double counting (pledges versus commitments).

**The MORE platform has been tested and approved as secure** by the independent company [nSEC/Resilience](#).

- Supported by **45 plastic converters organisations** in Europe
- Representing **50.000 potential users** of recycled polymers
- Auditing practices and registrations will be **verified** and stimulated
- **Performance recyclates** reporting will create shared value for users
- Evolution of quantity and quality of recycled polymers in products is key
- Platform will have **similar reporting standards** in EU 28 countries
- Involvement of **NGOs in reporting committees** is foreseen
- **No double counting** by working with VAT numbers of companies
- Main recycled polymers involved in **equal reporting formats**(PO/PET/PVC/EPS...)
- EU wide applied definitions

# The MORE platform provides...

- **Registration** of plastics converters usage of recycled plastics
  - Per VAT converting site per polymer
  - First data input reference year 2018
- **Overview** of the volume-based results as hard numbers or in graphical visualization
  - Display of the results per polymer type, per industry, per market, per country, and in line with EU Competition rules
  - Data includes post-consumer, commercial and post-industrial waste (excl. internal production scrap)
  - Includes mechanical and chemical recycling volumes
  - On-line Registration of real-life audited volumes of previous year (post reporting data)



**Post-consumer waste:** Post-consumer waste is refuse or rubbish consisting of everyday items that are discarded by the public. It can be collected from residential areas (domestic/household waste), streets, parks, collection depots (container parks) and waste dumps/landfills, it includes all types of packaging, shopping bags, bottles, furniture, mattresses, etc.

**Commercial waste:** Commercial waste consists of waste from premises used wholly or mainly for the purposes of trade or business (e.g. supermarkets, shops, offices, etc.) or for the purpose of sport, recreation, education or entertainment.

**Post-industrial waste:** Post-industrial waste is waste produced by industrial activity which includes any material that is rendered useless during a manufacturing process. For example waste which can be obtained from plastics processing, manufacturing and packaging industries including drums, components, surplus stocks and malformed parts are included in this category.

**Production scrap is to be excluded from MORE:** Production scraps are volumes recycled by companies that only process their own scraps, to be reused for their own inhouse production. Waste not leaving the production site.

**Specific VinylPlus sector definitions for PVC**

The **survey** can be filled in a short amount of time. The recycled polymer type(s) that are processed can be easily chosen in the horizontal menu.

In the **drop-down menu**, an application is selected and volumes are entered.

A possibility to **upload a picture** with a short description of the application(s) that include min 50% recycled content.

Use of Recycled Polymers in your Company

Choose the recycled polymer type(s) you are processing:

PP PET LDPE HDPE PVC PS EPS PUR PA PC ABS Mixed PO

In which of the following applications did you use the recycled PP ? \* Please enter the volumes from the previous year. You must at least enter volumes for the main categories such as for example "Packaging Flexible". Optionally it is possible to go more into detail and enter volumes for specific subcategories such as "Films" within "Packaging - Flexible"

Please respect our definitions of recycled polymers » Download the complete list of all applications »

▼ Packaging - Flexible	1	tons
Films		tons
Bags		
Multi-layer materials		
Others		
▶ Packaging - Rigid		tons
▶ Building - Flexible		tons
▶ Building - Rigid		tons
▶ Automotive - Rigid	2	tons
▶ Agricultural & Horticultural - Flexible		tons
▶ Agricultural & Horticultural - Rigid		tons
▶ Garden - Flexible		tons

Please upload a picture of your company's product(s) that include at least 50% recycled content for the European catalogue of products containing recycled polymers. If you upload a picture, please add a short description.

Drag & drop files here  
or  
Click to upload

- Final questions include the total amount of polymers used, reporting quality performances of recyclates and actual company auditing practices.
- The MORE tool is managed by [workITaround](#) and [Polymer Comply Europe](#).
- Have a look at our promo video [here](#).

What is the total amount of polymers (virgin and recycled) that you use per year? \*answer not mandatory

How regularly would you be willing to report about your use of recycled polymers?

Y Yearly

H Half-Yearly

Q Quarterly

Have the volumes of recycled polymers you are using been externally verified?

Y Yes

N No

Please specify the form of external verification.

C Company financial auditor

S Specialised auditor

A Any other certification

# National and Sector Associations are essential for the success

We propose a partnership to the national and sector associations and a possibility to actively participate in the MORE platform.

The partnership is regulated through an agreement that defines goals, responsibilities and limited access to the data.

- APIP (**Portugal**)
- ANAIP (**Spain**)
- IK (**Germany - packaging**)
- UNIONPLAST (**Italy**)
- Fédération de la Plasturgie (**France**)
- Agoria/Polymatters (**Belgium**)
- NRK (**Netherlands**)
- HGK (**Croatia**)
- FCIO (**Austria**)
- IKEM (**Sweden**)
- Plast (**Czech Republic**)
- DPF (**Denmark**)
- PZPTS (**Poland**)

## Others will follow in September/October 2019

- United Kingdom
- Ireland
- Slovakia
- Greece
- etc...

# Future Additional Applications & Features

Member States shall ensure that:

- a) from 2025, **PET bottles** should contain at least 25% recycled plastic\*
- b) from 2030, **beverage bottles** contain at least 30% recycled plastic, calculated as an average for all beverage bottles placed on the market on the territory of that Member State\*\*

**MORE** is able to monitor/calculate the amounts/volumes used of recycled plastic in PET bottles and beverage bottles per country and thus providing legal support to national authorities to the implementation of the Single Use Plastics directive.

\*calculated as an average for all PET bottles placed on the market on the territory of that Member State

\*\*calculated as an average for all beverage bottles placed on the market on the territory of that Member State

Besides the industry efforts **MORE is able to monitor the EU pledges.**  
The users will have to provide this information for certain applications based on the pledging campaigns.  
A special link to a protected “**pledging area**” of the MORE Platform

## Examples of specific pledges:

- *Detergent bottles PE, PET*
- *Bottled water*
- *Non-woven polyester*
- *PET sheets*
- *EPS*
- *Brands*
- *etc.*

Mandatory & pledging fields for partners will be set up in the **MORE** platform eg. household packaging & beverage bottles



# Conclusion

Transparency on use of recycled polymers in EU

Innovation & chemical recycling in EU

More collection & sorting of plastics waste in EU

Involvement of converters in circular thinking in EU

# MORE

**M**Onitoring **R**ecyclates for **E**urope

Interested to find out MORE?  
Email us at [info@moreplatform.eu](mailto:info@moreplatform.eu)  
[www.moreplatform.eu](http://www.moreplatform.eu)