

# *Innovación con plásticos para una Economía Circular*



## *Materiales en Contacto con los Alimentos*

### #InnovaPlásticos

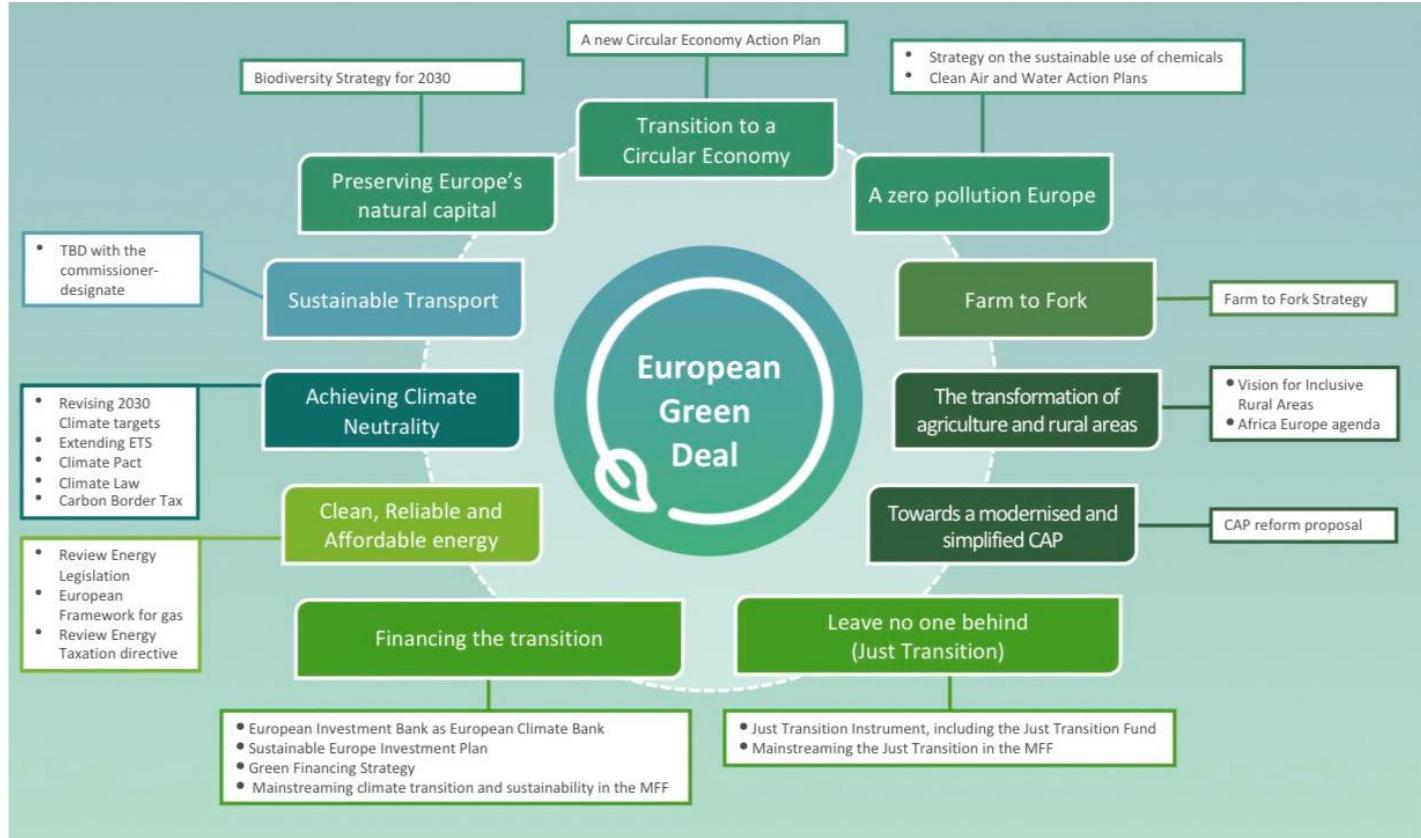
16-09-2020

Miguel Angel Prieto Arranz





# The European Green Deal



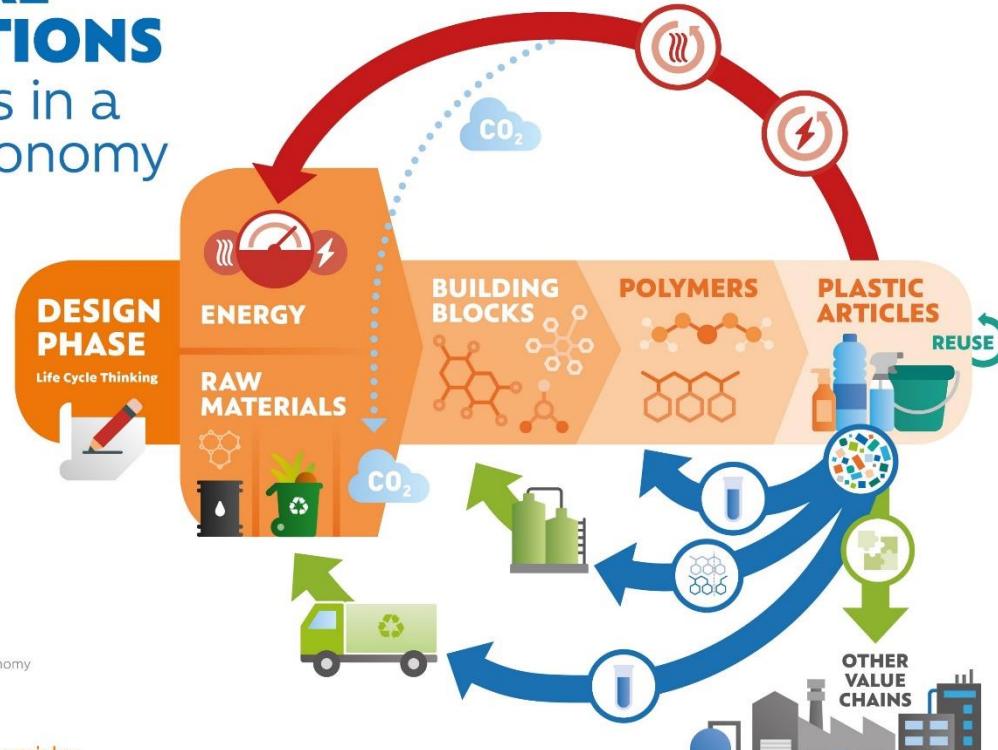
\* Communication of 11 December 2019



# CHEMICAL INNOVATIONS

## FOR Plastics in a Circular Economy

- Production chain
- Recycling technologies  
Grinding, washing, compounding  
Depolymerization, solvent extraction,  
controlled bio-degradation
- Secondary raw materials
- CO<sub>2</sub> utilization  
CO<sub>2</sub> as raw materials
- Energy recovery  
Heat, electricity



For more information about the Chemical industry's commitment to the circular economy please check our website [www.cefic.org](http://www.cefic.org)

Follow us on social media: @Cefic



# Reglamento CE 282/ 2008

## Plástico Reciclado en contacto con los alimentos



28.3.2008

ES

Diario Oficial de la Unión Europea

L 86/9

### REGLAMENTO (CE) N° 282/2008 DE LA COMISIÓN

de 27 de marzo de 2008

sobre los materiales y objetos de plástico reciclado destinados a entrar en contacto con alimentos y  
por el que se modifica el Reglamento (CE) nº 2023/2006

(Texto pertinente a efectos del EEE)

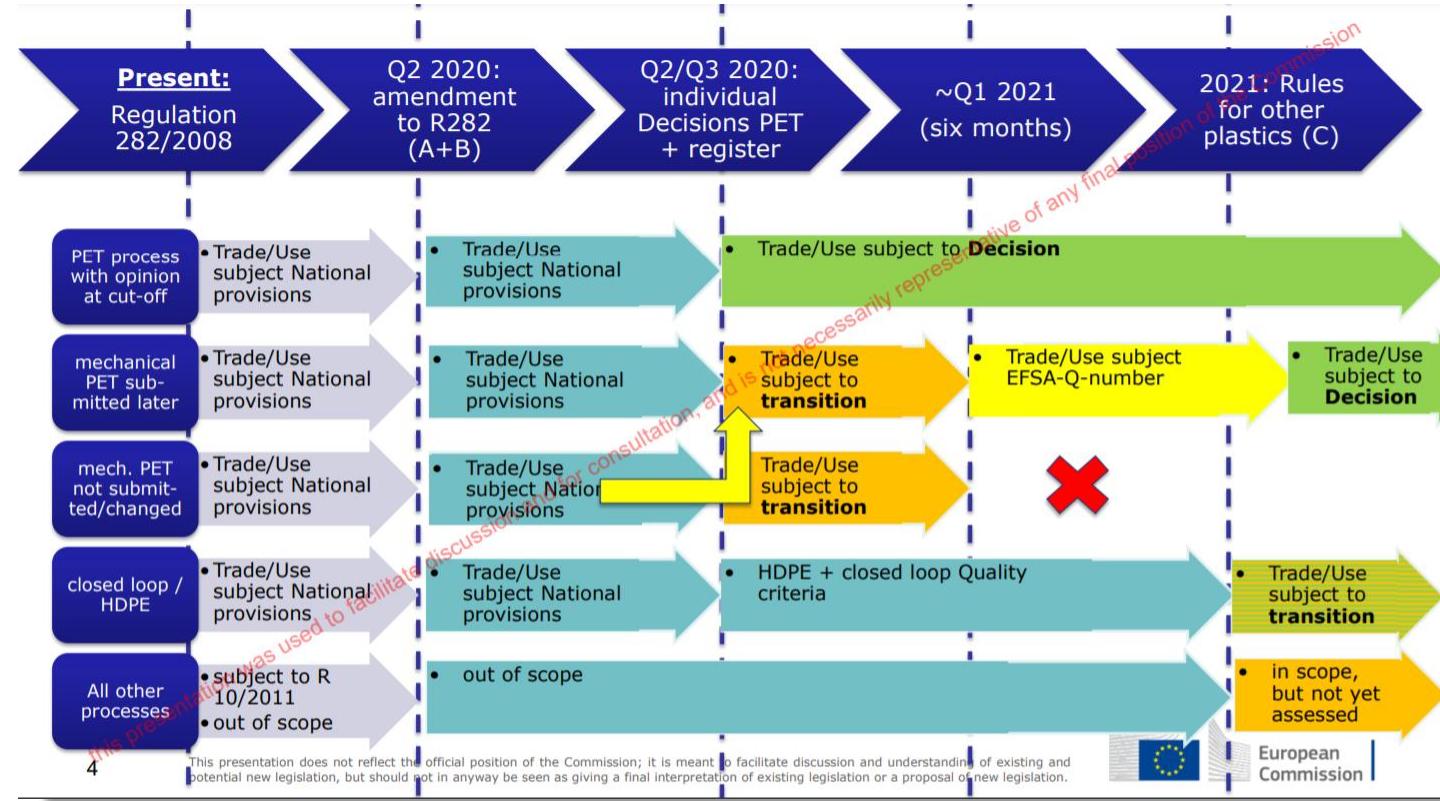
LA COMISIÓN DE LAS COMUNIDADES EUROPEAS,

Visto el Tratado constitutivo de la Comunidad Europea,

- (4) Entre los residuos de envases de plástico puede haber restos de usos anteriores, contaminantes por un uso indebido y contaminantes procedentes de sustancias autorizadas. Por tanto, ~~es necesario~~

Recycled plastic in contact with food  
EU legislation: all materials intended for food contact must be safe  
→ Recycled plastic must be safe

# Enmiendas Reglamento CE 282/ 2008



# Reglamento CE 282/ 2008

## Plástico Reciclado en contacto con los alimentos



### Why first focus on PET?

*To clear the back-log of the authorisation decisions*

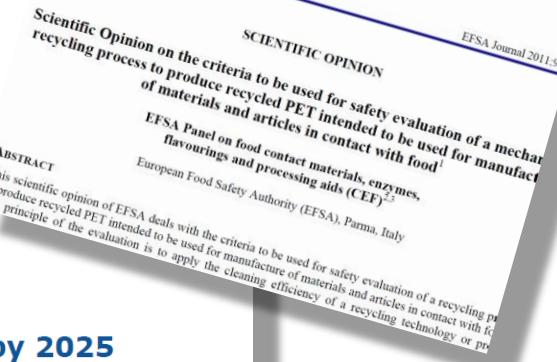
*The recycling of PET is supported by scientific evidence*

- the EFSA evaluations

*PET is prioritised under single use policy*

- 25% obligatory recycled PET content in plastic beverage bottles by 2025
- 30% obligatory recycled content in plastic beverage bottles by 2030

*Other plastics and processes may require further technical discussion*



# Reglamento CE 282/ 2008

## Plástico Reciclado en contacto con los alimentos



### Considerations Non-PET materials

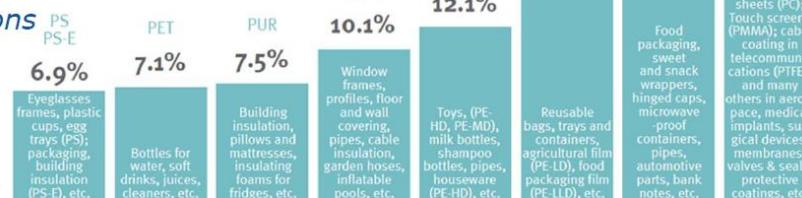
*Different approach probably needed for these materials*

- increasing importance under circular economy
- increasing innovation;  
new processes differ from mechanical recycling with a decontamination step
- no explicit scientific evaluation approach as for PET
- legislation does not require challenge test;  
'other appropriate scientific evidence' also accepted
- Differences in collection and sorting + chemical processing steps . . .
- key data may be different, e.g. background contamination level, sources



*time pressure because of efficient PET evaluations*

→ need to avoid inconclusive opinions



# Cefic grupo de trabajo- Chemical Recycling

Discussing input to amendments to Regulation 282/2008 and liaising with Value Chain stakeholders and Commission

Three routes under discussion:

- Dissolution Recycling
- Polymer to monomer Recycling
- Feedstock Recycling

Work in Progress



# Para más información

<https://cefic.org/>

<http://www.suschem.org/>

<https://fca.cefic.org/>

<https://cefic.org/policy-matters/innovation/circular-economy-package/>

<https://cefic.org/policy-matters/innovation/chemical-recycling/>

[https://cefic.org/app/uploads/2019/02/Plastics\\_Strategic\\_Research\\_Innovation\\_Agenda.pdf](https://cefic.org/app/uploads/2019/02/Plastics_Strategic_Research_Innovation_Agenda.pdf)

<https://cefic.org/app/uploads/2020/03/Cefic-Position-Paper-on-Circular-Economy-2.0.pdf>

<https://cefic.org/app/uploads/2020/03/Cefic-Position-Paper-on-Chemical-Recycling.pdf>

The European Chemical Industry Council

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Chemical Recycling

SUSCHEM ABOUT TECHNOLOGIES INITIATIVES PUBLICATIONS

## SusChem New Strategic Research and Innovation Agenda

Key technology priorities to address EU and global challenges

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### FCA - Food Contact Additives

FCA (Food Contact Additives) is an Industry Association organised as a Sector Group under the umbrella of Cefic (European Chemical Industry Council) in Brussels. FCA represents producers and users of additives used in the various food contact applications.

Brussels, 13 July 2020 - Ahead of the European Council meeting on 17 July the EU chemical industry calls on the EU member states to urgently agree an EU Recovery Plan to restart Europe's economy and kick off investments towards a green and digital transition. The COVID-19 crisis has become a timely reminder that Europe...

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### Circular Economy 2.0

A hand holding a small model of a circular economy system.