

***Innovación con plásticos para una Economía  
Circular***



***Materiales en Contacto con los Alimentos***

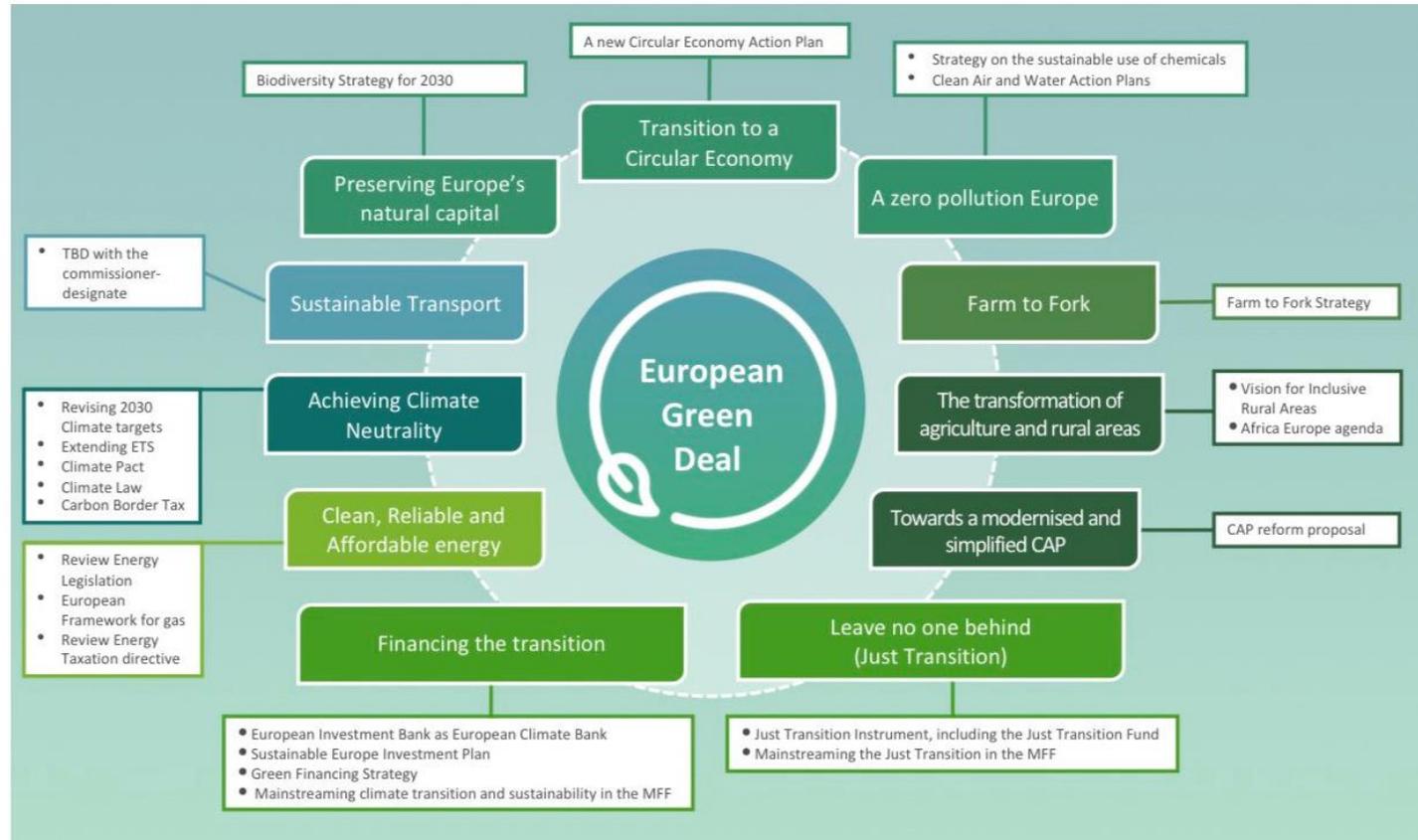
***#InnovaPlásticos***

16-09-2020

Miguel Angel Prieto Arranz



# The European Green Deal





# 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) n° 2023/2006

(Texto pertinente a efectos del EEE)

LA COMISIÓN DE LAS COMUNIDADES EUROPEAS,

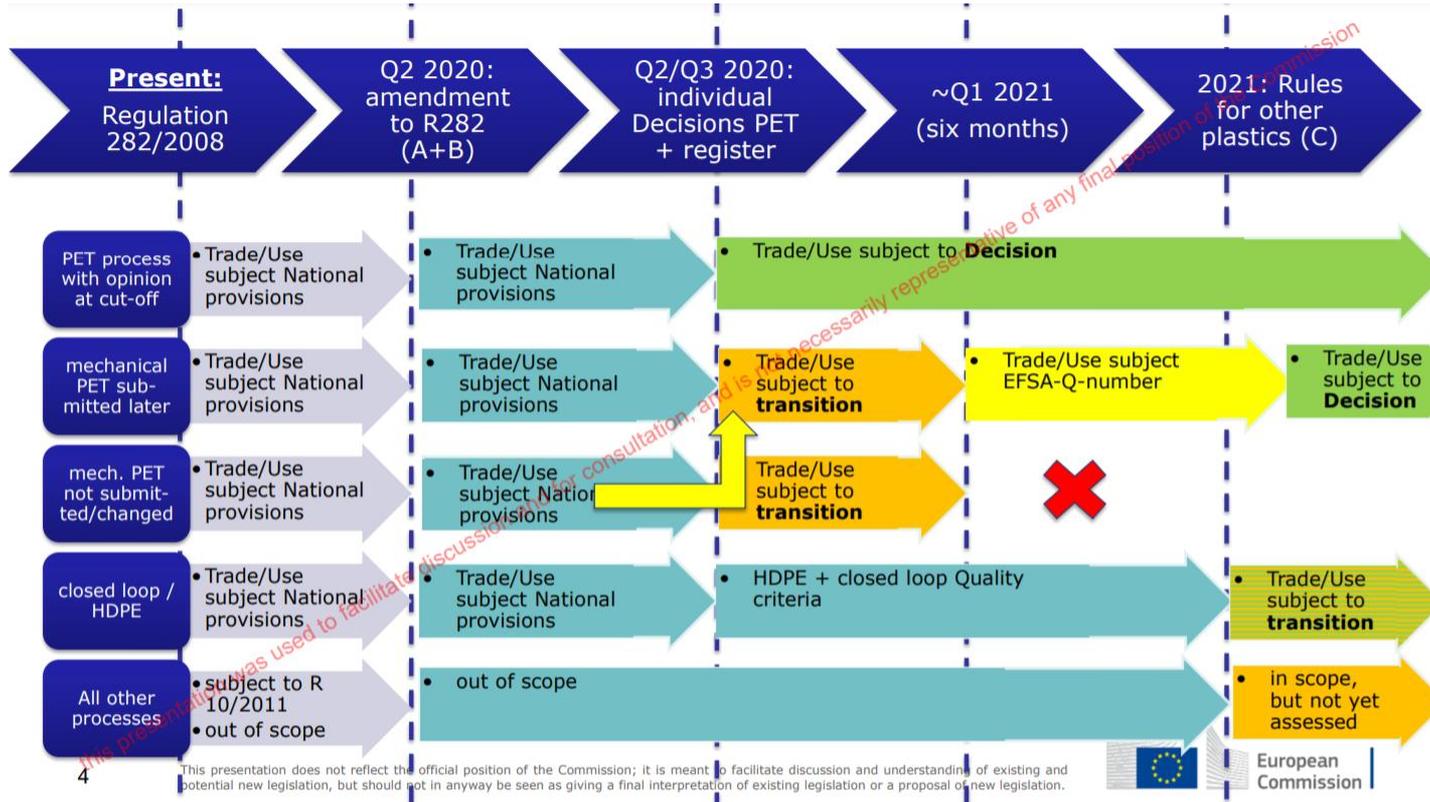
- (4) Entre los residuos de envases de plástico puede haber restos de usos anteriores, contaminantes por un uso indebido y contaminantes procedentes de sustancias no autorizadas. Por tanto, es necesario...

Visto el Tratado constitutivo de la Comunidad Europea,

**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*

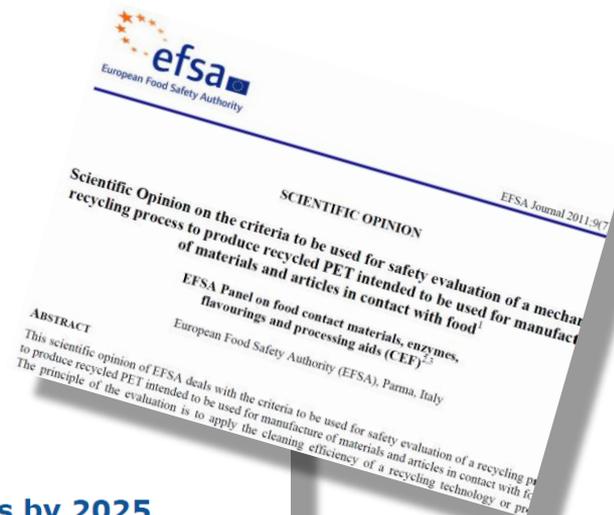
*The recycling of PET is supported by scientific evidence*

- **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



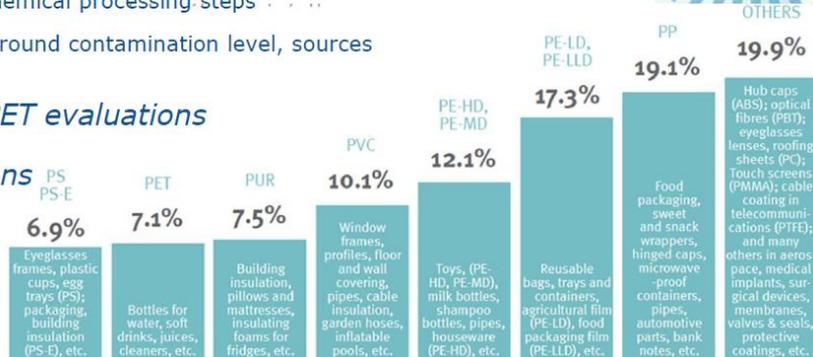
### Considerations Non-PET materials

*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>

