

Innovación con plásticos para una Economía Circular



Materiales en Contacto con los Alimentos

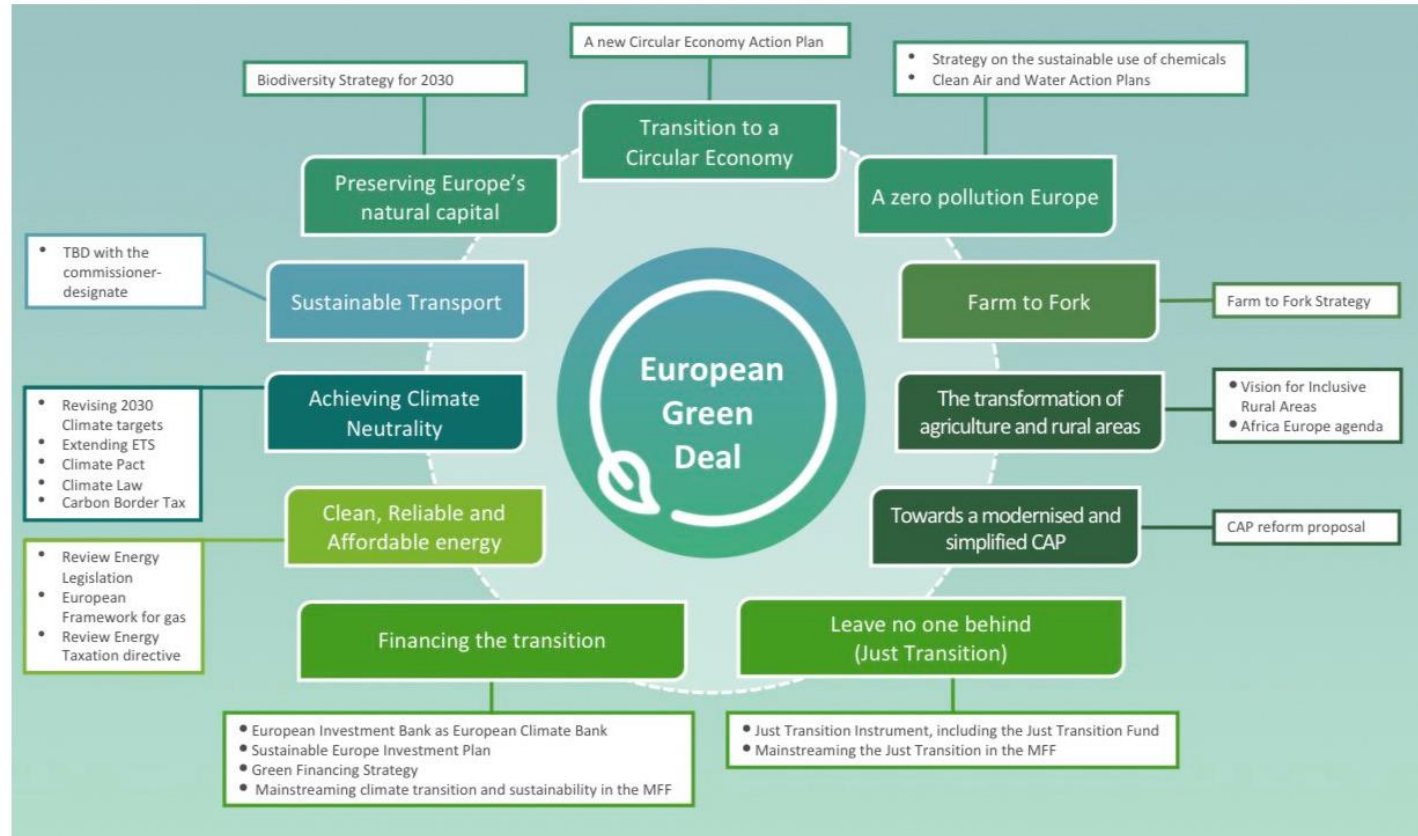
#InnovaPlásticos

16-09-2020

Miguel Angel Prieto Arranz



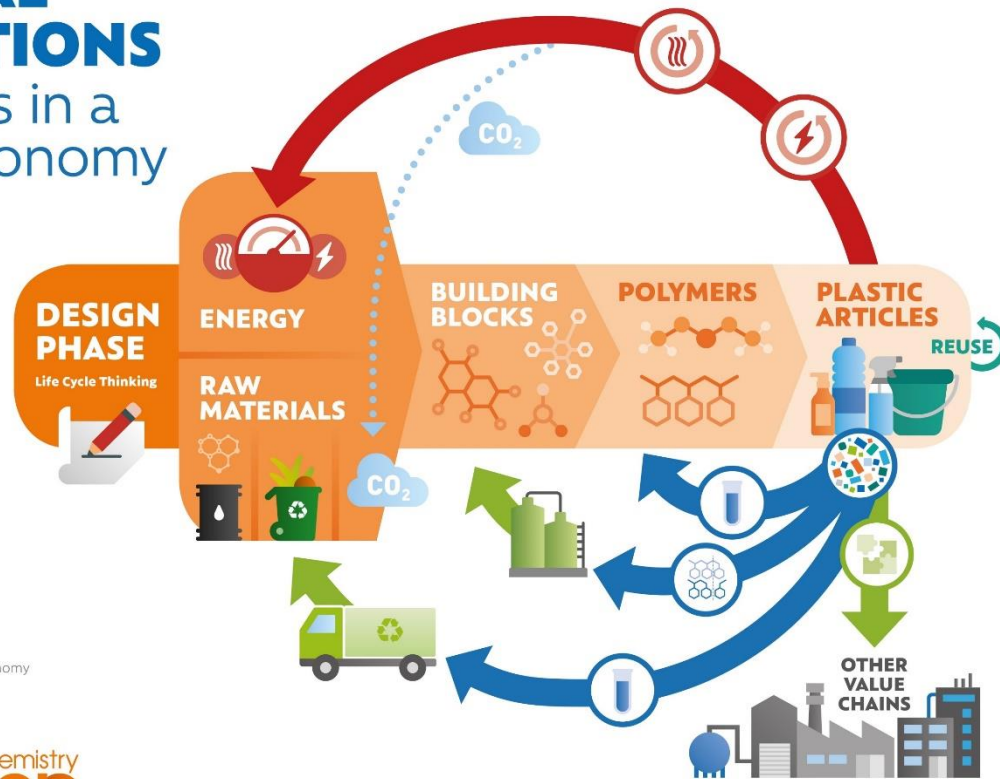
The European Green Deal





CHEMICAL INNOVATIONS FOR Plastics in a Circular Economy

- Production chain
- Recycling technologies
Grinding, washing, compounding, Depolymerization, solvent extraction, controlled bio-degradation
- Secondary raw materials
- CO₂ utilization
CO₂ 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

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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,

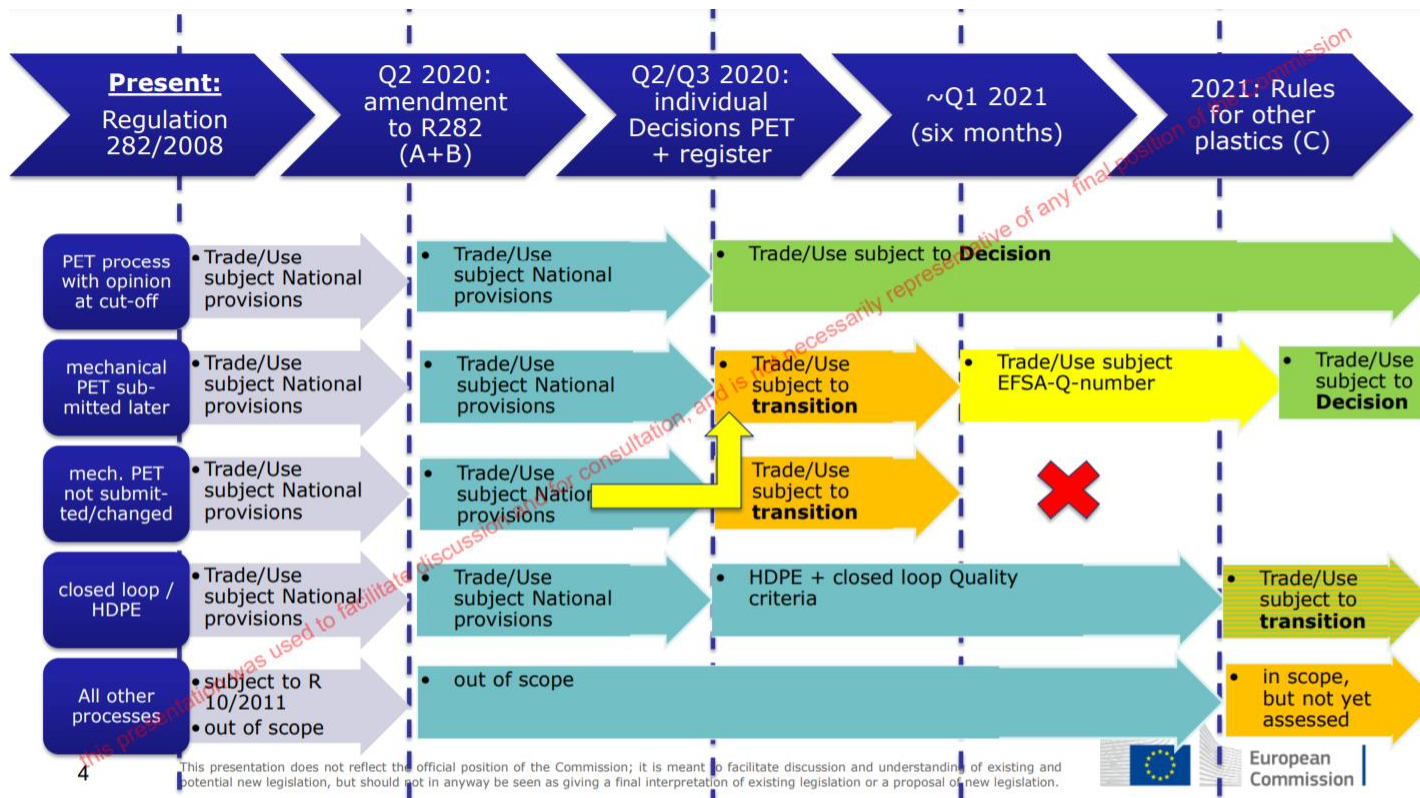
- (4) Entre los residuos de envases de plástico puede haber restos de usos anteriores, contaminantes por un uso indebido y contaminantes procedentes de sustancias no autorizadas. Por tanto, es necesario...

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

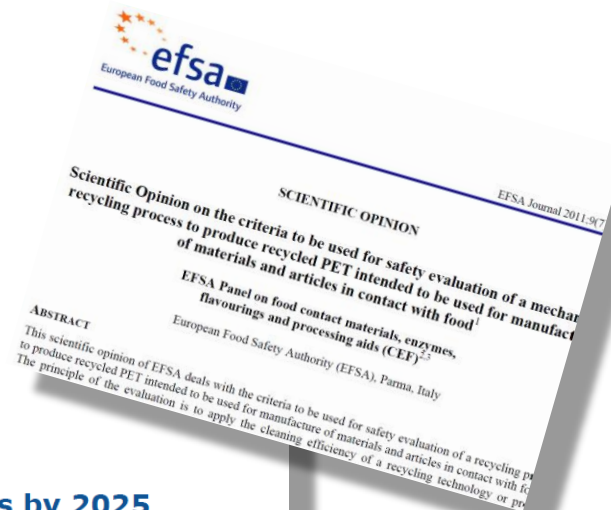
The recycling of PET is supported by scientific evidence

- **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

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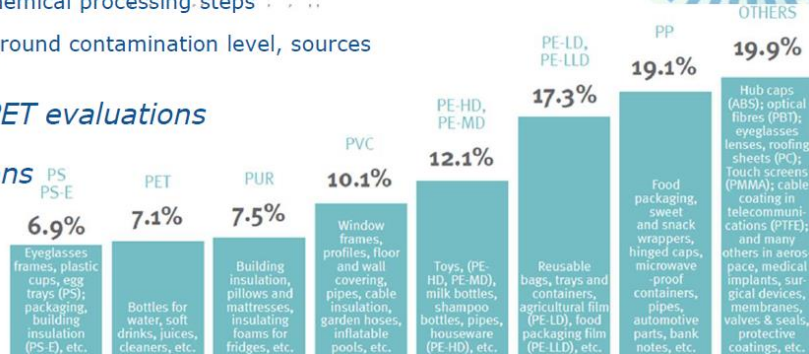
Considerations Non-PET materials

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/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>

