

CIRC-PACK PROJECT
CONAMA 2018
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Ecodiseño, fabricación y reciclabilidad

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Proyectos Europeos Fundación AITIIP



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730423

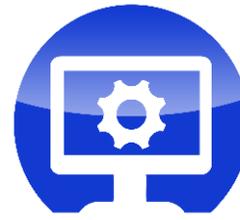




- ✓ **100** trabajadores
- ✓ **12.000** m²
- ✓ **100%** privada
- ✓ **9 M€** presupuesto anual
- ✓ **1,5 M€** inversión media
- ✓ **175** clientes/año



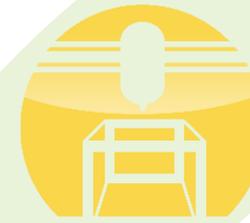
Desarrollo de materiales



Diseño e ingeniería



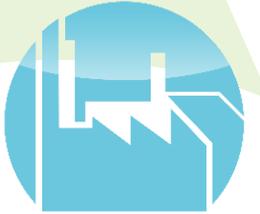
Fabricación substractiva



Impresión 3D



Transformación de plásticos

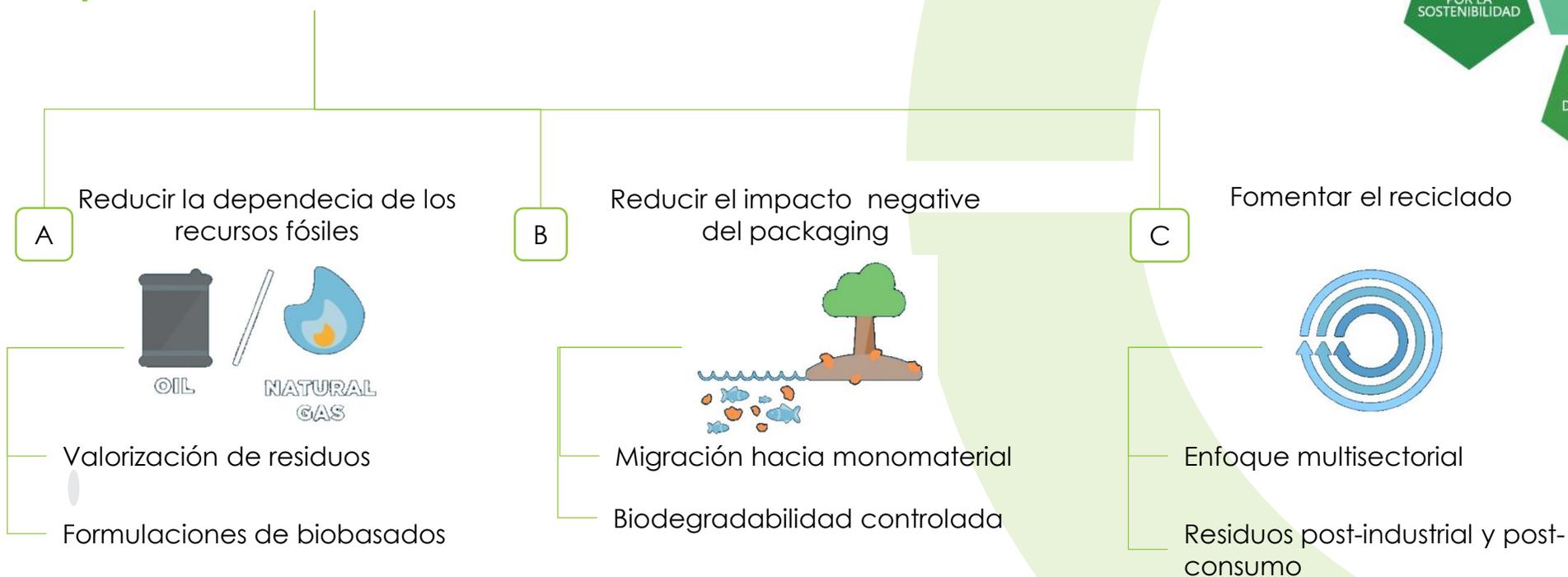


Industrialización





“ECO-diseño para una economía circular”

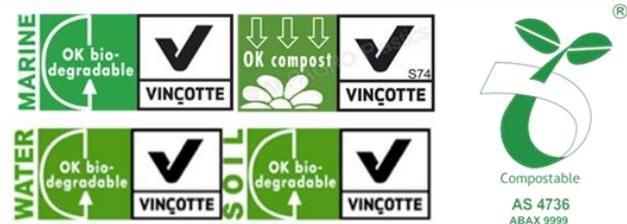


“Mismos procesos de transformación, respetando funcionalidades del material”

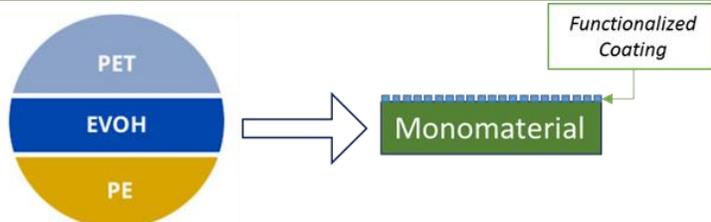
Boosting biobased materials

between 20 and 40 % Biobased	between 40 and 60 % Biobased	between 60 and 80 % Biobased	more than 80 % Biobased

Compostability, biodegradability or recyclability



Coating with high barrier and active functionality



Extrusion compounding



Thermoforming



Injection Moulding



Blow extrusion film

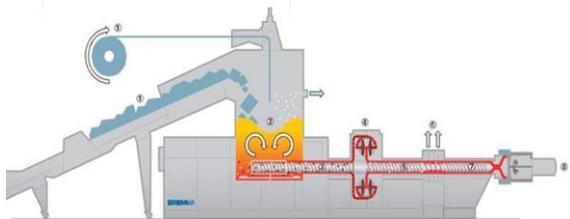


Blow extrusion moulding



“Favorecer la reciclabilidad desde una perspectiva multisectorial”

1a



1a - Recycling biobased materials

- Biobased does not always mean biodegradable
- Recyclability of this material is also possible

1c

Scrap from plastic production



Grinding



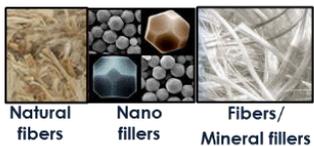
Re-Granulating



Recycled Mat



Components failure in assembling line



Natural fibers Nano fillers Fibers/Mineral fillers

1c - Improving recycled matrix

- Post industrial Waste
- Scrap from plastic production
- Parts rejected in the assembling line
- Compounding

1b



FATER SpA



1b - Sorting multimaterial parts

- Diapers collected through specific flow
- Two recycled materials
- Cellulose
- Plastics

“Soluciones no tecnológicas”

1 - Terminología confusa con respecto a los biomaterials

→ Hay que desarrollar un etiquetado no equivoco

2 - Percepción negativa con respecto a los materiales reciclados

→ Hay que evitar una política fragmentada y regulaciones sobre protectoras

3 - Nuevos desarrollos en lobbies establecidos

→ La estandarización debe ser una ayuda no una barrera

Actividades transversales



Muchas gracias por su atención!!!

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