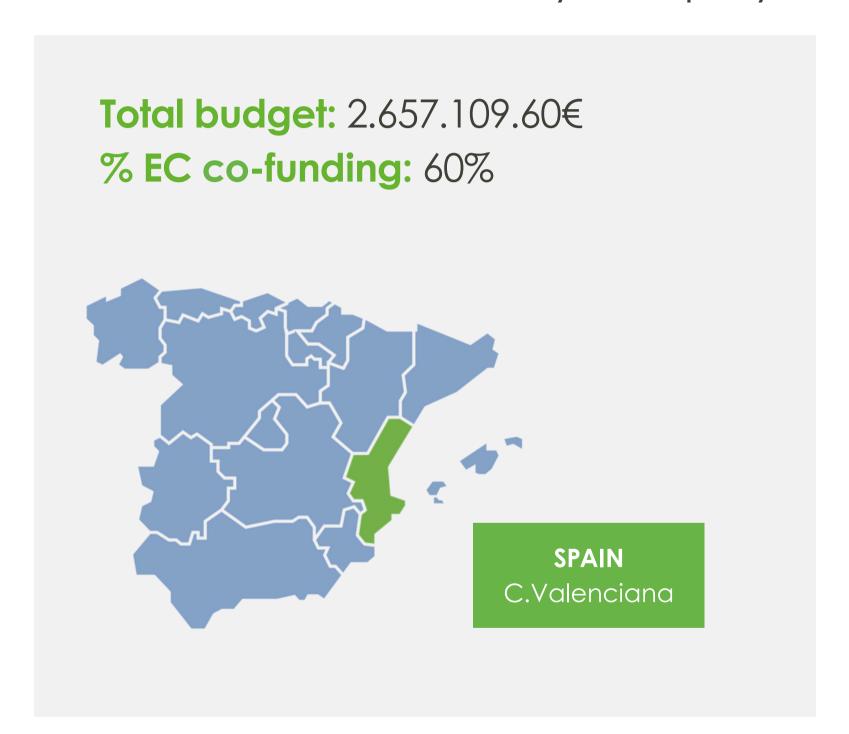


Closed-LOOps VErification of Reused and Recycled polyolefins drums and crates



Coordinating Beneficiary: SINTAC-R

Associated Beneficiaries:

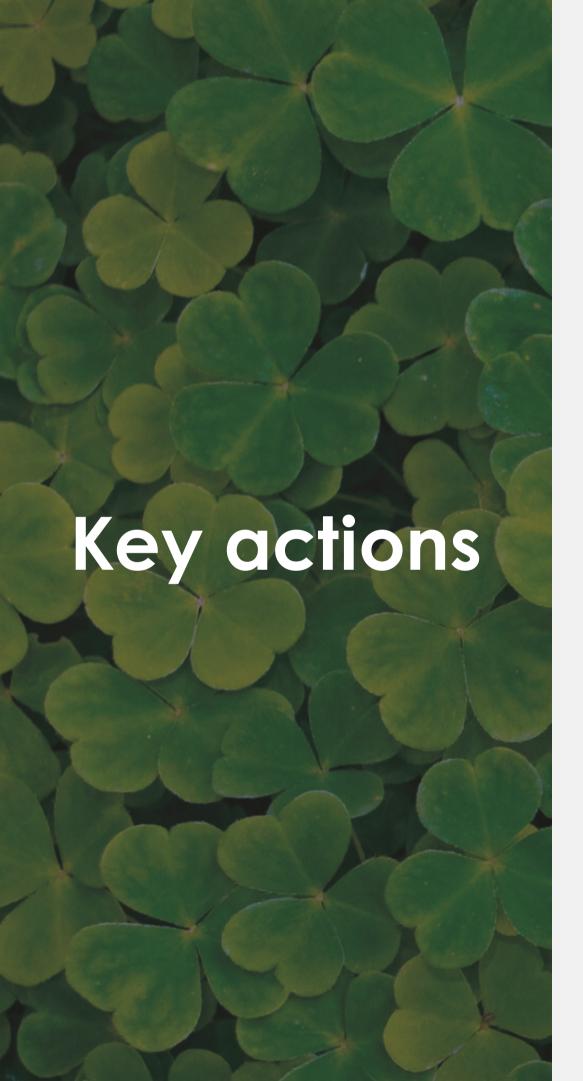
- Amafruva
- **\$** CAPEC
- **Agrofresh Fruit Protection**
- Palec Ecológico
- Reyde

Objectives & Scope

To implement in Spain (first stage) and to replicate in other EU countries (smart tool-kits), a scalable, holistic and certified system of closed-loops, combining reuse & recycling traceable solutions for polyolefins drums, jerrycans and crates, used in the agrifood sector, in line with EFSA food safety criteria







For comercial plastic packaging (PP & HDPE crates)

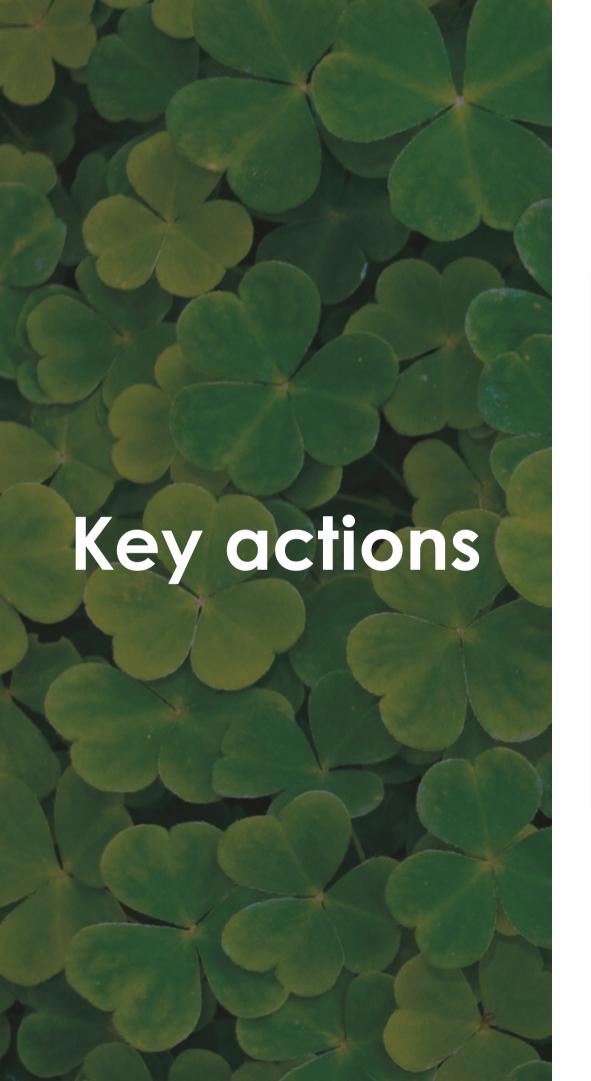
- Deposit Return Scheme (Crates reusing under UNE standard)
- Manufacture of crates for fruits & vegetables made of 100% recycled
- Recycling closed-loop Guidelines according to EFSA requirements
- Traceability system and Digital Platform (stream control)
- Quality Control and Testing: physical-mechanical and migration tests

For industrial plastic packaging (HDPE drums & jerrycans)

- Manufacture of HDPE drums and jerrycans, for food and nonfood sector
- Collection, Conditioning and Recycling closed-loop Guidelines
- Plastics recycled for food contact: EFSA Dossier Submission
- Traceability system and Digital Platform (stream control)
- Testing: physical-mechanical and migration tests







LIFE-CLOOVER will improve 5 KPIs:

- + Reuse Rate
- + Recycling Rate
- + Circular Material Use
- + landfill diversion
- + GHG emissions avoidance



Continuation

REPLICATION AND TRANSFER

- Implement of demo-pilots in Spain (Region of C. Valenciana).
- Guidelines for scale-up in other areas in Spain: Catalonian, Murcia, Madrid and Andalucía
 - LIFE CLOOVER2 has the commitment of support of 21 stakeholders in Spain (public administrations, associations and companies of the value chain)
- **Smart tool-kits** <u>for replicate and transfer in other EU countries</u>: France and Germany, mainly External Advisory Board consisting of 3 relevant entities in Europe:
 - EXPRA, European Association of EPR Schemes for packaging
 - RIGK in Germany, EPR scheme for Commercial and Industrial Packaging
 - VALIPAC in Belgium, EPR scheme for Commercial and Industrial Packaging

MARKET UPTAKE

The companies in Europe that put their products in the market using industrial and commercial packaging need to assume the Extended Producer Responsibility (EPR). will help them to implement that commitment, producing changes in the market along the value chain