

Closed-LOOPS VERIFICATION of Reused and Recycled polyolefins drums & crates

OBJECTIVE & SCOPE

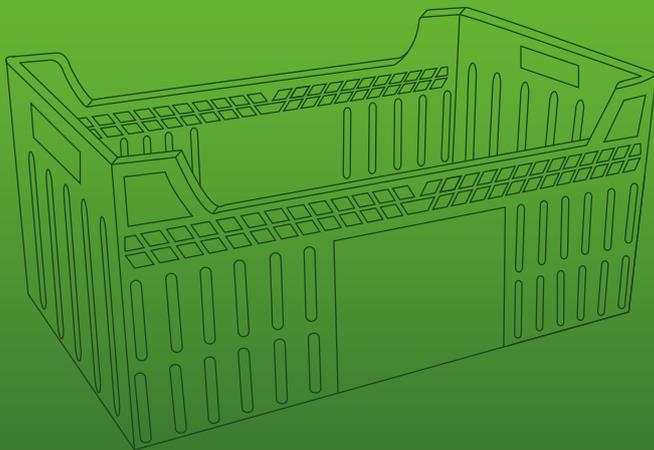
To implement in Spain (first stage) and to replicate in other EU countries (smart tool-kits), a scalable, holistic and certified system of closed-loops, combining reuse & recycling traceable solutions for polyolefins drums, jerrycans and crates, used in the agri-food sector, in line with EFSA food safety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

TIMELINE: From 1st oct, 2023 to 30th sept, 2026 (36 months)

PARTNERS:

SINTAC (coordinating) GCR (recycler)

AMAFRUBA, AGROFRESH, CAPEC, PALEC ECOLOGICO and REYDE



For commercial plastic packaging (PP & HDPE crates):

- ☘ Deposit Return Scheme (Crates reusing under UNE standard)
- ☘ Manufacture of crates for fruits & vegetables 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 non-food 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



REPLICATION AND TRANSFER

Implement of demo-pilots in Spain (Region of C. Valenciana).

Guidelines for scale-up in other areas in Spain: Catalanian, Murcia, Madrid and Andalucia.

LIFE CLOOVER2 has the commitment of support of 21 stakeholders in Spain (public administrations, associations and companies of the value chain)

Smart tool-kits for replicate and transfer in other EU countries: 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

POLICY IMPLICATIONS

ENVIRONMENT & FOOD SAFETY.
EU, NATIONAL AND REGIONAL

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