



**CAPEC: A recycling closed-loop based on
the value chain commitment
for PO crates used for fruit and vegetables**



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SINTAC RECYCLING
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RIGK INTERNATIONAL RECYCLING FORUM

Not only plastic recycling
... something else

SINTAC

Recycling

Adhered and Committed to



10MT *recycled content*

by 2025

Circular Plastics Alliance committed





Plastic recycling business for > 25 years

mainly POLYOLEFINS post-consumer

coming from AGRICULTURE and other streams

Not only plastic recycling

SINTAC

- We provide **technical assistance** to the plastics converters
(raw material purchasing and machinery)
- We guarantee the **availability of plastic flows**,
recyclable and recycled, national and internationally
- We offer environmental **communication tools** in addition to the
technical management of used plastic
- We promote and organize **closed-loops recycling schemes**,
tailored to the needs of our customers: the producers and the
brand-owners



10MT recycled content
by 2025
Circular Plastics Alliance committed



AGENDA 2030
Lograr el desarrollo sostenible en un mundo diverso

WORLD
ECONOMIC
FORUM

What if we get things right? Visions for 2030

The circular economy has become the economy

**THE NEW PLASTICS ECONOMY
GLOBAL COMMITMENT
2019 PROGRESS REPORT**



Committed
22% recycled content by 2025

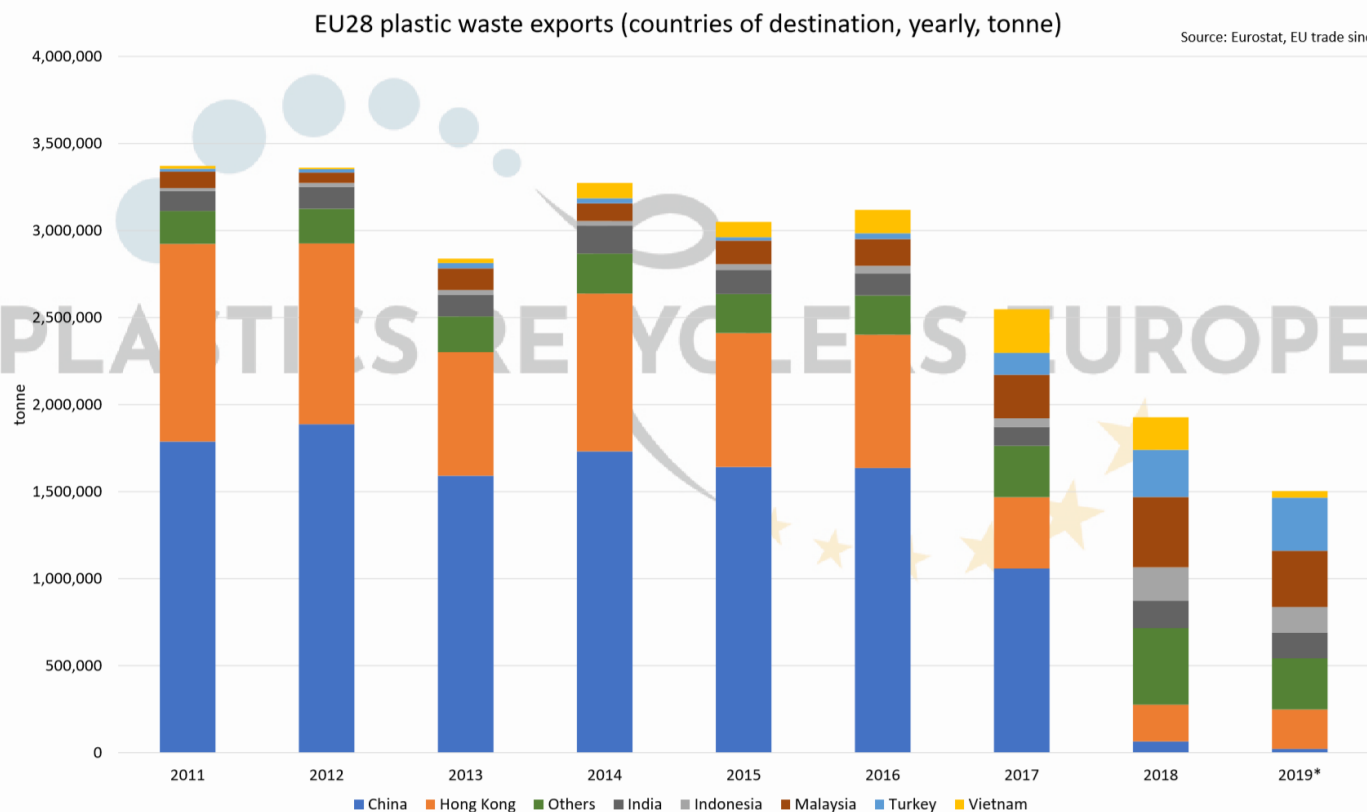
- ✓ **Economic instruments to boost “Circularity through Recycling”**
(UK, France, ...)
- ✓ **The WFD, PPWD and SUP Directives. Plastics Strategy in a CE**
Litter, microplastics, REACH, ECHA report coming in 2020
- ✓ **Asia no longer wants to be Europe's landfill. Restrict shipments for hard-to-recycle plastic waste to developing countries**
(China Green Fence, Phillipines, etc)

EXPORT EUROPE data evolution 2011 – 2019

Data until June 2019



Source: Eurostat, EU trade since 1988 by CN8 [DS-016890]
Last update: 16-09-2019



Europe annually produces **29,1 Mt** of plastics post-consumer waste



9,4 Mt collected to recycle
(32% of total waste)



7,6 Mt recycled
into new products
inside Europe



15% of total demand
of converters, **51,2 Mt**

4 countries represent 75% of the total EU plastics demand

51,2 Mt is the total EU plastics converters demand, 2018

Germany	24,6 %
Italy	13,9 %
France	9,4 %
Spain	7,6 %

75,5 %

greater opportunity to apply the **Circularity** through **recycling!**

Source: PlasticsEurope Market Research Group Market (PEMRG) and Conversio Market & Strategy GmbH

SINTAC added-value

- Traceability at source
- Quality Assurance
- Regular Quantity



The true Circularity requires:

✓ **Proactivity**

✓ **Cooperation**

“A planet asfixiado in plastic”

EL PAÍS 16 de junio de 2018
Sección CIENCIA fin de semana



litter

microplastics

Directive SUP

The most regulated material



Planet or Plastic?



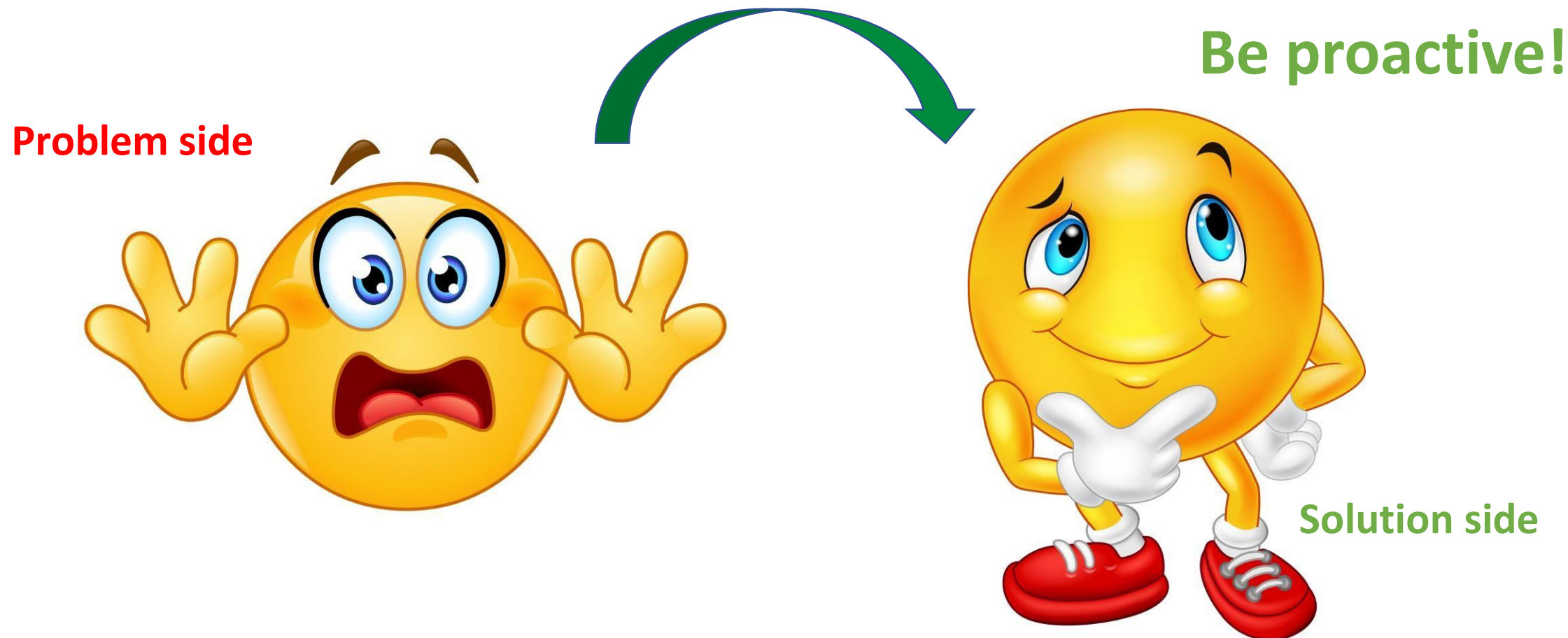
if we do nothing



there is a risk of being dragged down into the **negative** image



Turn the **threat** into **opportunity**



Crates and palets in a Circular economy



CAPEC

cajas palets economía circular





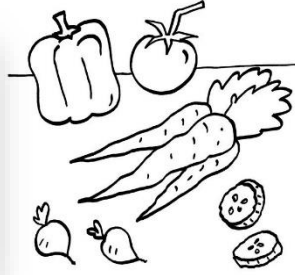
a commitment to **Circularity**

for PE/PP fruit and vegetable crates

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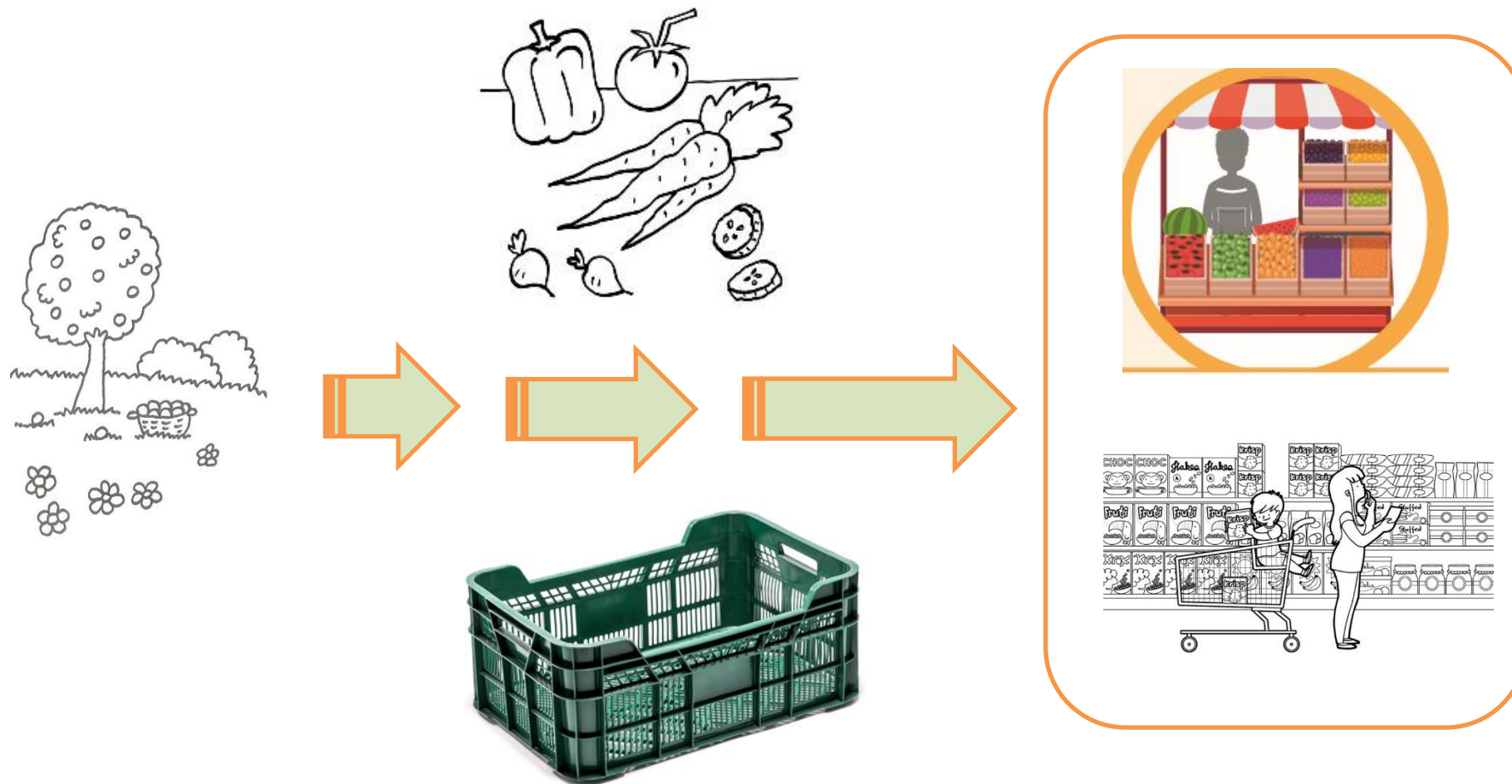
FRUIT AND VEGETABLES are very healthy and have unique nutritional qualities



PE/PP crates keep them in optimal conditions



offering resistance, certified quality, hygiene, food safety and protection
for fruit and vegetables



Versatility of designs adapted to each product





in october 2018 was born

Initiative and commitment of three Valencian companies:



Now (nov19) we have 13 companies members





CAPEC
cajas palets economía circular

CAPEC members

- ☐ Crate Producers
- ☐ Users/Fillers/Distributors
- ☐ Collectors
- ☐ Recyclers

Open to the participation of more companies

info@capec.eco

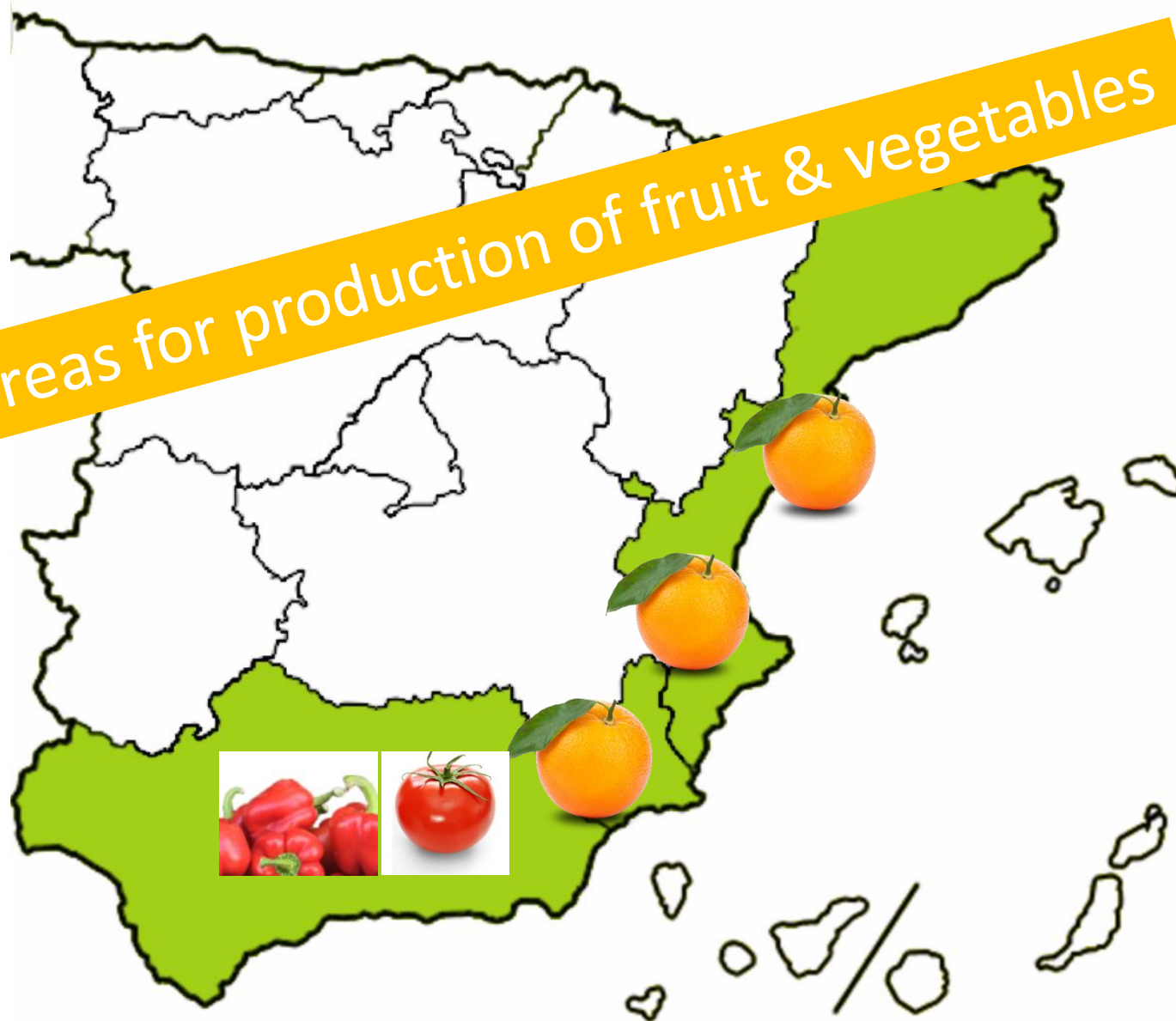


PO crates for fruit & vegetables in Spain

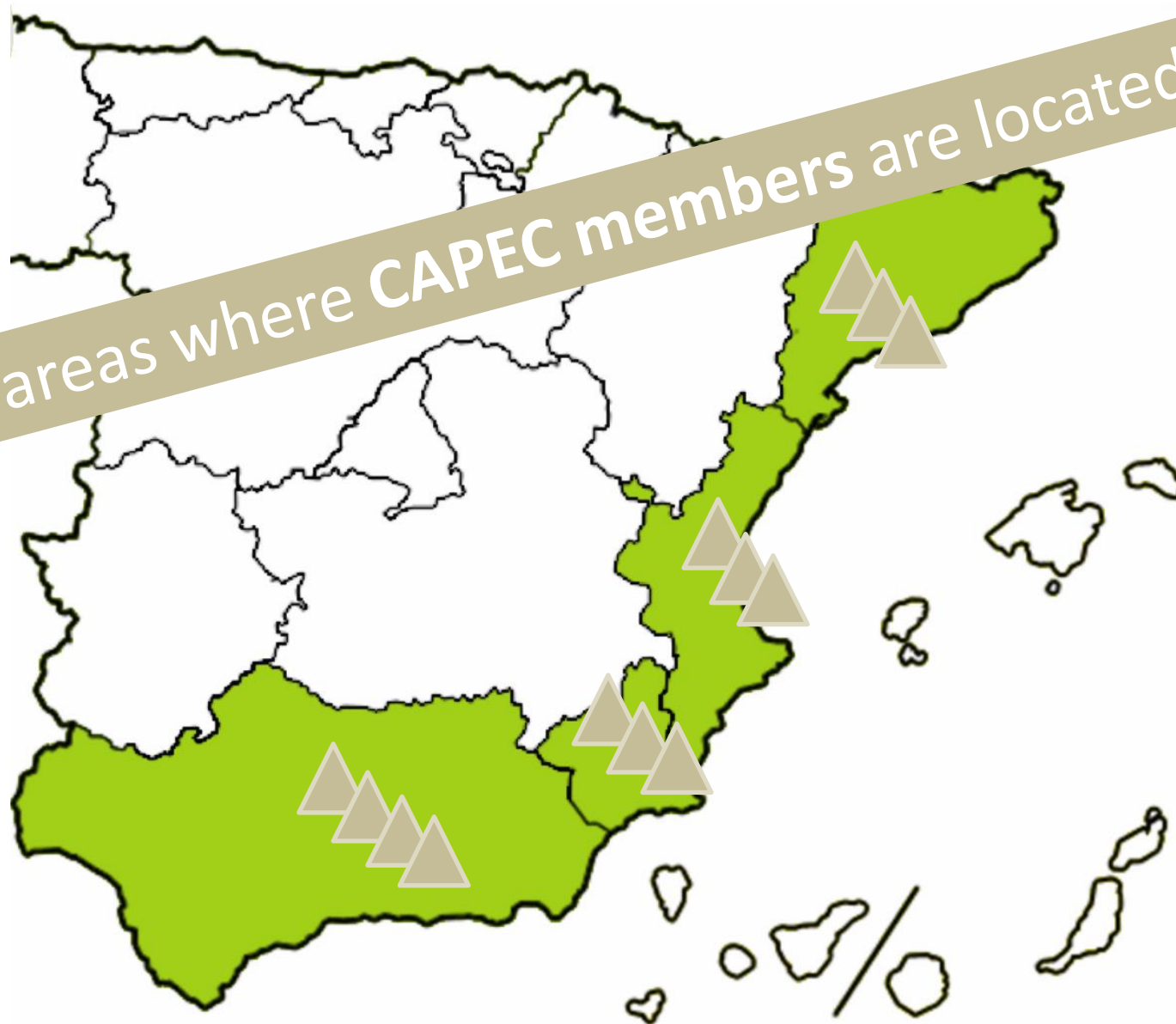
TOTAL MARKET: 50.000 tons

CAPEC: 70% representativeness

The main areas for production of fruit & vegetables



The main areas where CAPEC members are located






CAPEC

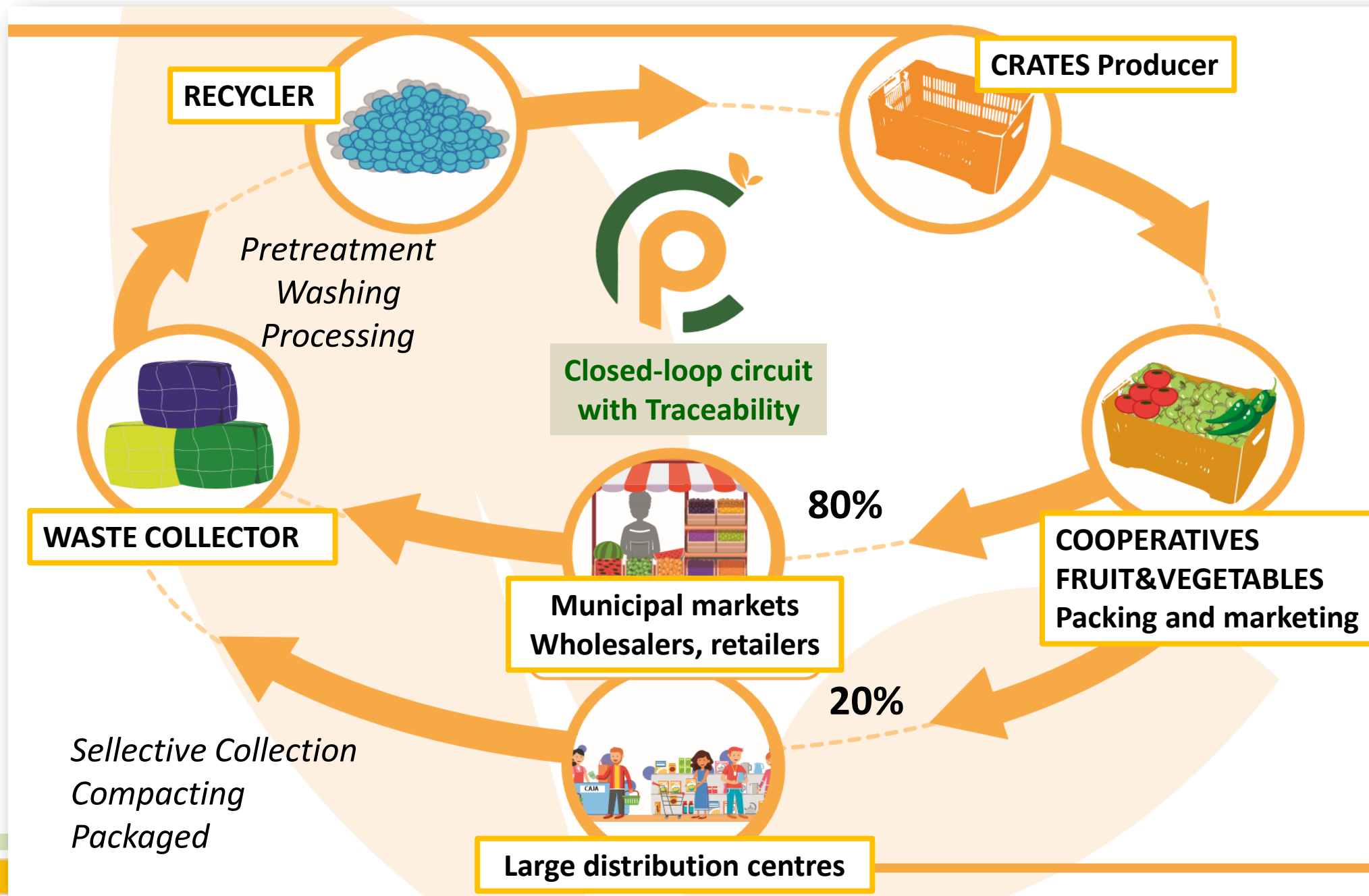
cajas palets economía circular

www.capec.eco

Objectives:

- ✓ To organize **closed-loop circuit for polyolefins crates for fruit and vegetable** through selective collection and recycling
- ✓ To provide **certified crates** produced from **recycled PO** post-consumer
- ✓ To provide **food safety** according to  criteria
- ✓ To promote **Good practices on environment and food safety** among all the CAPEC value chain: producers, fillers/users, distributors, collectors and recyclers





Certified Crates by 3^{er} part

For the PRODUCERS

RIGHT OF USE OF THE CAPEC LOGO

- ✓ If fulfils the technical requirements of the CAPEC TECHNICAL MANUAL
- ✓ If demonstrates that its supplier of r-PO fulfil the CAPEC TECHNICAL REQUIREMENTS



Identified by CAPEC logo



**GUARANTEE of
QUALITY AND FOOD SAFETY**

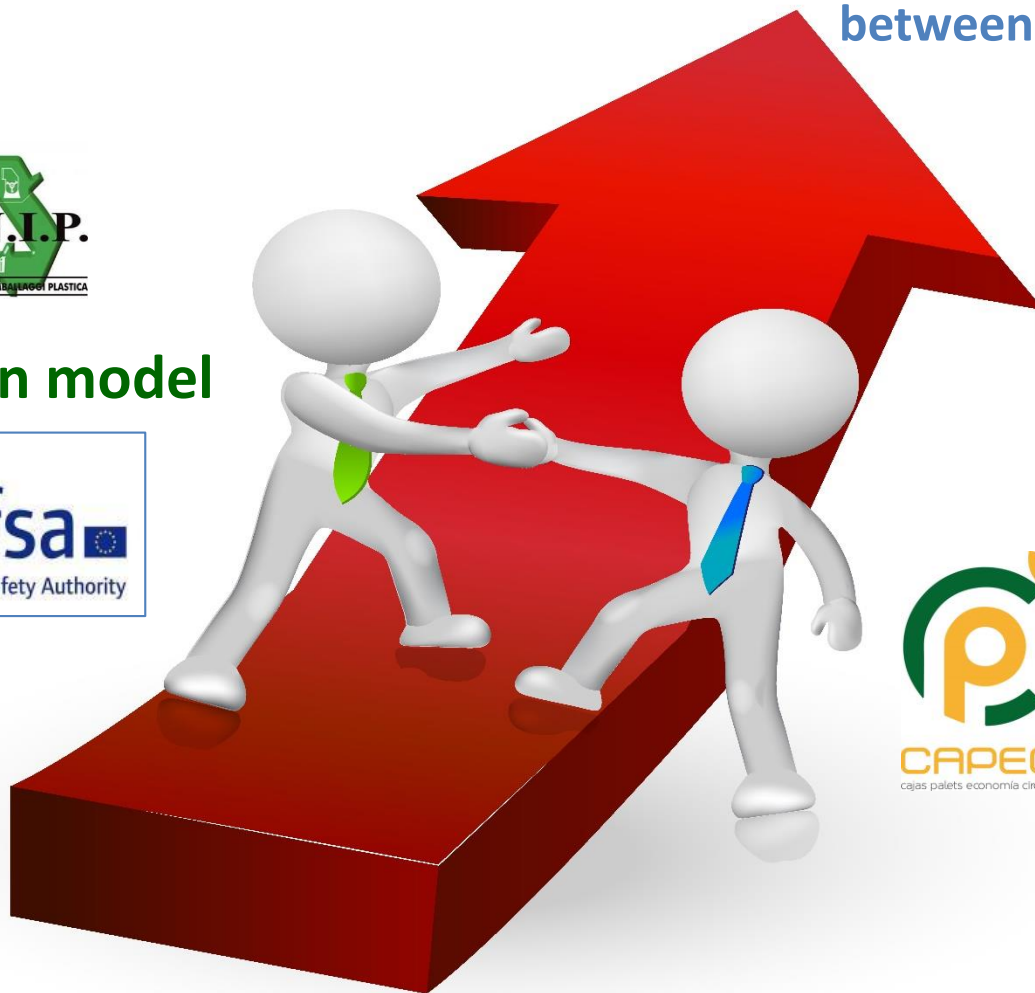
For the users, fillers, wholesalers, retailers and other distributors



Recognition Agreement between both closed-loops schemes



2013, italian model



2018, spanish model



Healthy food from SPAIN for all EUROPE

SPAIN:
Annual Production 27,8 Mill tons
45% exports to EU28



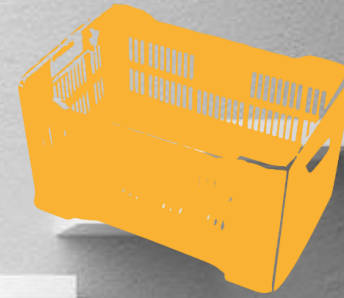
Fruit and vegetables

Source: FEPEX, MAPA and DG Aduanas, data 2017





CAPEC ACTIVITY PLAN



2022/2023

Implementation of closed-loops schemes in **other Eu countries**

2021

Transferability Plan to other Eu countries

2020

EPR scheme. Design and implementation. Agreements. Financing (fee, €/kg) and technical details. Contracts.

2019

Non-profit Association. Governance. Statutes. Budget. Incorporation of new members. Election of Board

The challenges

Food safety

&

Sustainability



✓ True Circularity

✓ Proactivity

✓ Cooperation

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Not only
Plastics recycling

SINTAC

Recycling

Thank you very much for your attention!

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